

CalSim II Modeling Attachment: Alternative Plan 1, Existing Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

August 2014

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)

Alternative 1 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	407	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
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1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	357	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-30	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	0%
1978	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,057	1,618	1,489	679	350	350	350	350	466	121	246	431
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	379
1927	Above Normal	1,015	1,618	352	494	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	485	350	350	350	350	466	121	100	1,190
1936	Above Normal	1,123	1,680	1,429	350	350	350	350	350	466	121	100	1,780
1937	Wet	2,556	2,817	3,437	1,420	350	350	350	350	466	198	482	2,460
1938	Wet	5,363	6,640	7,684	5,072	1,224	350	350	350	466	121	144	362
1939	Dry	1,015	358	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	973	350	350	350	350	350	466	121	100	2,361
1941	Wet	1,083	1,618	2,704	2,089	350	350	350	350	466	121	803	520
1942	Wet	1,015	1,618	350	402	350	350	350	350	466	121	2,192	651
1943	Wet	2,799	2,042	1,266	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	2,512
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	219	419	372
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	108	391
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	3,226	1,220	719
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	463
1952	Wet	2,207	3,064	4,691	3,444	350	350	350	350	466	121	201	378
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	2,210	4,253	724
1956	Wet	1,045	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	2,292	2,807	4,261	2,462	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	503
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	681	876
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	234	378
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	154	508
1967	Wet	1,095	3,064	4,095	3,379	3,869	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	2,199	3,546
1969	Wet	5,334	7,014	7,385	8,220	1,758	350	350	350	466	121	249	373
1970	Above Normal	1,032	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	1,424	445	350	350	350	350	466	121	1,294	422
1974	Wet	1,015	1,814	470	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	356	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	2,083
1978	Wet	2,404	4,393	4,479	4,962	1,727	350	350	350	466	121	245	396
1979	Above Normal	1,214	1,618	1,153	350	350	350	350	350	466	121	2,757	3,692
1980	Wet	2,168	1,618	1,658	2,265	1,092	350	350	350	466	121	118	365
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	1,139
1982	Wet	1,196	5,512	4,741	3,119	350	350	350	1,309	1,641	3,430	3,652	3,689
1983	Wet	5,582	7,467	7,667	9,052	5,367	350	350	350	889	3,112	886	373
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	4,798
1986	Wet	4,367	1,819	3,244	2,452	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	427
1993	Wet	1,047	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	181	720
1995	Wet	3,743	3,476	4,724	5,024	6,422	350	350	350	466	121	100	464
1996	Wet	2,549	1,668	1,012	496	350	350	350	350	466	2,241	10,309	2,294
1997	Wet	1,050	1,618	2,337	1,658	350	350	350	350	466	121	100	2,732
1998	Wet	2,344	2,839	3,986	4,979	5,121	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)

Alternative 1 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	562	555	555	555	562	555	679	326	119	362	
1923	Above Normal	1,015	1,618	350	562	555	555	555	562	366	348	326	305	110	
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1925	Below Normal	1,015	984	350	414	412	412	414	412	530	182	161	362		
1926	Dry	1,015	984	350	377	376	376	377	376	493	147	126	362		
1927	Above Normal	1,015	1,618	350	562	555	555	555	562	555	679	326	305	350	
1928	Below Normal	1,015	984	350	462	459	459	462	459	579	229	208	362		
1929	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	362	
1930	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	114	
1931	Critical	1,015	200	215	215	255	255	260	350	407	121	100	350		
1932	Above Normal	1,015	1,618	350	562	555	555	555	562	555	679	326	305	362	
1933	Dry	1,015	984	350	385	384	384	385	384	501	155	133	362		
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1935	Above Normal	1,015	1,618	350	554	547	547	554	547	670	318	297	350		
1936	Above Normal	1,015	1,618	350	562	555	555	555	562	555	679	326	100	362	
1937	Wet	1,015	1,618	350	562	555	555	555	562	555	679	121	100	509	
1938	Wet	2,234	4,339	4,542	4,705	1,158	555	562	555	679	326	305	362		
1939	Dry	1,015	350	350	558	551	551	558	551	674	322	301	350		
1940	Above Normal	1,015	1,618	350	557	551	551	557	551	674	216	100	362		
1941	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	220	100	362		
1942	Wet	1,015	1,618	350	562	555	555	562	555	679	326	100	362		
1943	Wet	1,015	1,618	350	562	555	555	562	555	679	326	305	350		
1944	Below Normal	1,015	984	350	488	483	483	488	483	604	254	233	362		
1945	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1946	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1947	Dry	1,015	984	350	435	433	433	435	433	552	203	182	350		
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362		
1949	Below Normal	1,015	984	350	355	355	355	355	355	471	125	104	362		
1950	Below Normal	1,015	984	350	441	438	438	441	438	558	121	100	362		
1951	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	350		
1952	Wet	1,015	1,618	1,658	1,658	555	555	562	555	679	326	305	362		
1953	Below Normal	1,015	984	350	543	537	537	543	537	660	308	287	362		
1954	Below Normal	1,015	984	350	406	405	405	406	405	523	175	154	362		
1955	Dry	1,015	984	350	373	372	372	373	372	489	143	122	350		
1956	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	326	305	362		
1957	Below Normal	1,015	984	350	555	548	548	555	548	672	319	298	362		
1958	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	326	305	362		
1959	Dry	1,015	984	350	446	443	443	446	443	563	214	193	350		
1960	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	114	
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1962	Below Normal	1,015	1,618	350	555	548	548	555	548	672	319	298	362		
1963	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	350		
1964	Dry	1,015	350	350	353	353	353	353	353	470	124	103	362		
1965	Wet	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1966	Below Normal	1,015	984	350	507	502	502	507	502	624	273	252	362		
1967	Wet	1,015	1,618	1,658	1,658	555	555	562	555	520	326	305	350		
1968	Dry	1,015	350	350	548	541	541	548	541	664	312	100	1,807		
1969	Wet	2,263	4,690	4,398	5,800	1,683	555	562	555	679	326	100	362		
1970	Above Normal	1,015	984	350	562	555	555	562	555	679	326	305	362		
1971	Below Normal	1,015	984	350	480	476	476	480	476	597	247	226	350		
1972	Dry	1,015	984	350	353	353	353	353	353	470	124	103	362		
1973	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1974	Wet	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1975	Wet	1,015	1,618	350	562	555	555	562	366	348	326	305	110		
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104		
1977	Critical	130	150	190	190	230	230	210	350	357	121	100	362		
1978	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	326	305	362		
1979	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	100	350		
1980	Wet	1,015	1,618	1,658	1,870	838	555	562	555	679	326	305	362		
1981	Dry	1,015	984	350	562	555	555	562	555	679	326	305	362		
1982	Wet	1,015	1,618	1,658	1,870	555	555	562	555	466	2,650	3,497	3,530		
1983	Wet	5,449	7,290	7,488	8,475	5,281	555	562	350	769	3,087	861	350		
1984	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	362		
1985	Dry	1,015	984	350	495	490	490	495	490	612	261	240	362		
1986	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	326	305	362		
1987	Critical	1,015	350	350	449	445	445	449	445	565	216	195	350		
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362		
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350		
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1993	Wet	1,015	1,618	1,658	1,870	555	555	562	555	679	326	305	362		
1994	Critical	1,015	350	350	353	353	353	353	353	470	124	103	362		
1995	Wet	1,015	1,618	2,496	1,870	5,971	555	562	555	679	302	305	350		
1996	Wet	1,015	1,618	661	562	555	555	562	555	679	299	5,402	1,085		
1997	Wet	1,057	1,618	1,922	1,870	555	555	562	555	679	326	305	362		
1998	Wet	1,015	1,618	1,658	1,658	4,049	555	562	555	679	217	305	362		
1999	Above Normal	1,015	1,618	350	562	555	555	562	555	679	326	305	350		
2000	Above Normal	1,015	1,618	350	557	551	551	557	551	674	321	300	362		
2001	Dry	1,015	984	350	371	370	370	371	370	487	141	120	362		
2002	Dry	1,015	984	350	353	353	353	353	353	469	123	102	362		
2003	Below Normal	1,015	1,618	350	453	450	450	453	n/a	n/a	n/a	n/a	n/a		

Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-42	0	-1,140	-117	205	205	212	205	212	205	-127	-69
1923	Above Normal	0	0	0	212	205	205	212	205	212	205	205	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	64	62	62	64	62	64	62	62	0
1926	Dry	0	0	0	27	26	26	27	26	27	26	26	-17
1927	Above Normal	0	0	-2	68	205	205	212	205	212	205	205	0
1928	Below Normal	0	0	0	112	109	109	112	109	112	109	109	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	0	0	0	212	205	205	212	205	212	205	205	0
1933	Dry	0	0	0	35	34	34	35	34	35	34	34	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	69	197	197	204	197	204	197	197	-840
1936	Above Normal	-108	-62	-1,079	212	205	205	212	205	212	205	0	-1,418
1937	Wet	-1,541	-1,200	-3,088	-858	205	205	212	205	212	-77	-382	-1,950
1938	Wet	-3,129	-2,301	-3,142	-367	-66	205	212	205	212	205	160	0
1939	Dry	0	-8	0	208	201	201	208	201	208	201	201	0
1940	Above Normal	0	0	-623	207	201	201	207	201	207	95	0	-1,999
1941	Wet	-68	0	-1,047	-219	205	205	212	205	212	100	-703	-158
1942	Wet	0	0	0	160	205	205	212	205	212	205	-2,093	-288
1943	Wet	-1,784	-424	-917	212	205	205	212	205	212	205	205	0
1944	Below Normal	0	0	0	138	133	133	138	133	138	133	133	-2,149
1945	Above Normal	0	0	0	212	205	205	212	205	212	107	-115	-10
1946	Above Normal	0	0	0	212	205	205	212	205	212	205	196	-28
1947	Dry	0	0	0	85	83	83	85	83	85	83	83	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	5	5	5	5	5	5	5	5	0
1950	Below Normal	0	0	0	92	89	89	92	89	92	-3,105	-1,121	-357
1951	Above Normal	0	0	0	212	205	205	212	205	212	205	205	-113
1952	Wet	-1,193	-1,446	-3,033	-1,786	205	205	212	205	212	205	104	-15
1953	Below Normal	0	0	0	194	187	187	194	187	194	187	187	0
1954	Below Normal	0	0	0	57	55	55	57	55	57	55	55	0
1955	Dry	0	0	0	23	22	22	23	22	23	-2,067	-4,132	-374
1956	Wet	-31	0	0	212	205	205	212	205	212	205	205	0
1957	Below Normal	0	0	0	205	199	199	205	199	205	199	199	0
1958	Wet	-1,277	-1,189	-2,604	-592	205	205	212	205	212	205	205	0
1959	Dry	0	0	0	97	93	93	97	93	97	93	93	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	205	199	199	205	199	205	199	199	-141
1963	Above Normal	0	0	0	212	205	205	212	205	212	205	205	0
1964	Dry	0	0	0	3	3	3	3	3	3	3	-579	-513
1965	Wet	0	0	0	212	205	205	212	205	212	205	205	-16
1966	Below Normal	0	0	0	157	152	152	157	152	157	152	97	-145
1967	Wet	-80	-1,447	-2,437	-1,722	-3,314	205	212	205	54	205	205	0
1968	Dry	0	0	0	198	198	198	198	198	198	198	-2,099	-1,739
1969	Wet	-3,071	-2,324	-2,988	-2,420	-75	205	212	205	212	205	-150	-11
1970	Above Normal	-17	0	0	212	205	205	212	205	212	205	205	0
1971	Below Normal	0	0	0	130	126	126	130	126	130	126	126	0
1972	Dry	0	0	0	3	3	3	3	3	3	3	3	0
1973	Above Normal	0	0	-1,074	117	205	205	212	205	212	205	-989	-59
1974	Wet	0	-196	-120	212	205	205	212	205	212	205	205	0
1975	Wet	0	0	0	206	205	205	212	205	212	205	205	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-30	0	0	-1,720
1978	Wet	-1,389	-2,775	-2,822	-3,092	-1,172	205	212	205	212	205	59	-34
1979	Above Normal	-199	0	-803	212	205	205	212	205	212	205	-2,657	-3,342
1980	Wet	-1,153	0	0	-396	-254	205	212	205	212	205	187	-2
1981	Dry	0	0	0	212	205	205	212	205	212	205	205	-777
1982	Wet	-182	-3,894	-3,084	-1,250	205	205	212	-754	-1,174	-780	-154	-159
1983	Wet	-133	-177	-180	-576	-86	205	212	0	-120	-25	-25	-23
1984	Above Normal	0	0	0	212	205	205	212	205	212	205	205	0
1985	Dry	0	0	0	145	141	141	145	141	145	141	141	-4,436
1986	Wet	-3,352	-202	-1,587	-583	205	205	212	205	212	205	205	0
1987	Critical	0	0	0	99	95	95	99	95	99	95	95	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-64
1993	Wet	-32	0	0	212	205	205	212	205	212	205	205	0
1994	Critical	0	0	0	3	3	3	3	3	3	3	-79	-357
1995	Wet	-2,728	-1,859	-2,228	-3,154	-451	205	212	205	212	181	205	-114
1996	Wet	-1,535	-51	-351	66	205	205	212	205	212	-1,942	-4,907	-1,210
1997	Wet	7	0	-415	212	205	205	212	205	212	205	205	-2,370
1998	Wet	-1,329	-1,222	-2,328	-3,321	-1,071	205	212	205	212	96	205	0
1999	Above Normal	0	0	0	212	205	205	212	205	212	205	205	0
2000	Above Normal	0	0	0	207	201	201	207	201	207	201	201	0
2001	Dry	0	0	0	21	20	20	21	20	21	20	20	0
2002	Dry	0	0	0	3	3	3	3	3	3	3	3	0
2003	Below Normal	0	0	0	104	100	100	104	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-4%	0%	-77%	-17%	59%	59%	61%	59%	45%	170%	-52%	-16%
1923	Above Normal	0%	0%	0%	61%	59%	59%	61%	128%	156%	170%	206%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	18%	18%	18%	18%	18%	14%	51%	62%	0%
1926	Dry	0%	0%	0%	8%	7%	7%	8%	7%	6%	22%	26%	-4%
1927	Above Normal	0%	0%	-1%	14%	59%	59%	61%	59%	45%	170%	206%	0%
1928	Below Normal	0%	0%	0%	32%	31%	31%	32%	31%	24%	90%	109%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1933	Dry	0%	0%	0%	10%	10%	10%	10%	10%	8%	28%	34%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	14%	56%	56%	58%	56%	44%	163%	198%	-71%
1936	Above Normal	-10%	-4%	-76%	61%	59%	59%	61%	59%	45%	170%	0%	-80%
1937	Wet	-60%	-43%	-90%	-60%	59%	59%	61%	59%	45%	-39%	-79%	-79%
1938	Wet	-58%	-35%	-41%	-7%	-5%	59%	61%	59%	45%	170%	111%	0%
1939	Dry	0%	-2%	0%	59%	57%	57%	59%	57%	45%	167%	202%	0%
1940	Above Normal	0%	0%	-64%	59%	57%	57%	59%	57%	44%	79%	0%	-85%
1941	Wet	-6%	0%	-39%	-11%	59%	59%	61%	59%	45%	83%	-88%	-30%
1942	Wet	0%	0%	0%	40%	59%	59%	61%	59%	45%	170%	-95%	-44%
1943	Wet	-64%	-21%	-72%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1944	Below Normal	0%	0%	0%	39%	38%	38%	39%	38%	30%	110%	134%	-86%
1945	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	49%	-27%	-3%
1946	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	181%	-7%
1947	Dry	0%	0%	0%	24%	24%	24%	24%	24%	18%	69%	83%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	1%	1%	1%	1%	1%	1%	4%	5%	0%
1950	Below Normal	0%	0%	0%	26%	25%	25%	26%	25%	20%	-96%	-92%	-50%
1951	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	-24%
1952	Wet	-54%	-47%	-65%	-52%	59%	59%	61%	59%	45%	170%	52%	-4%
1953	Below Normal	0%	0%	0%	55%	54%	54%	55%	54%	42%	155%	188%	0%
1954	Below Normal	0%	0%	0%	16%	16%	16%	16%	16%	12%	45%	55%	0%
1955	Dry	0%	0%	0%	7%	6%	6%	7%	6%	5%	-94%	-97%	-52%
1956	Wet	-3%	0%	0%	13%	59%	59%	61%	59%	45%	170%	206%	0%
1957	Below Normal	0%	0%	0%	59%	57%	57%	59%	57%	44%	165%	200%	0%
1958	Wet	-56%	-42%	-61%	-24%	59%	59%	61%	59%	45%	170%	206%	0%
1959	Dry	0%	0%	0%	28%	27%	27%	28%	27%	21%	77%	94%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	59%	57%	57%	59%	57%	44%	165%	199%	-28%
1963	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1964	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	3%	-85%	-59%
1965	Wet	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	30%	-4%
1966	Below Normal	0%	0%	0%	45%	44%	44%	45%	44%	34%	126%	63%	-29%
1967	Wet	-7%	-47%	-60%	-51%	-86%	59%	61%	59%	12%	170%	206%	0%
1968	Dry	0%	0%	0%	57%	55%	55%	57%	55%	42%	159%	-95%	-49%
1969	Wet	-58%	-33%	-40%	-29%	-4%	59%	61%	59%	45%	170%	-60%	-3%
1970	Above Normal	-2%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1971	Below Normal	0%	0%	0%	37%	36%	36%	37%	36%	28%	104%	127%	0%
1972	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	3%	3%	0%
1973	Above Normal	0%	0%	-75%	26%	59%	59%	61%	59%	45%	170%	-7%	-14%
1974	Wet	0%	-11%	-26%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1975	Wet	0%	0%	0%	58%	59%	59%	61%	128%	156%	170%	206%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	-83%
1978	Wet	-58%	-63%	-63%	-62%	-68%	59%	61%	59%	45%	170%	24%	-9%
1979	Above Normal	-16%	0%	-70%	61%	59%	59%	61%	59%	45%	170%	-96%	-91%
1980	Wet	-53%	0%	0%	-17%	-23%	59%	61%	59%	45%	170%	159%	-1%
1981	Dry	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	-68%
1982	Wet	-15%	-71%	-65%	-40%	59%	59%	61%	-58%	-72%	-23%	-4%	-4%
1983	Wet	-2%	-2%	-2%	-6%	-2%	59%	61%	0%	-13%	-1%	-3%	-6%
1984	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	0%
1985	Dry	0%	0%	0%	42%	40%	40%	42%	40%	31%	116%	141%	-92%
1986	Wet	-77%	-11%	-49%	-24%	59%	59%	61%	59%	45%	170%	206%	0%
1987	Critical	0%	0%	0%	28%	27%	27%	28%	27%	21%	79%	96%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1993	Wet	-3%	0%	0%	13%	59%	59%	61%	59%	45%	170%	206%	0%
1994	Critical	0%	0%	0%	1%	1%	1%	1%	1%	3%	-43%	-50%	-50%
1995	Wet	-73%	-53%	-47%	-63%	-7%	59%	61%	59%	45%	150%	206%	-25%
1996	Wet	-60%	-3%	-35%	13%	59%	59%	61%	59%	45%	-87%	-48%	-53%
1997	Wet	1%	0%	-18%	13%	59%	59%	61%	59%	45%	170%	206%	-87%
1998	Wet	-57%	-43%	-58%	-67%	-21%	59%	61%	59%	45%	80%	206%	0%
1999	Above Normal	0%	0%	0%	61%	59%	59%	61%	59%	45%	170%	206%	0%
2000	Above Normal	0%	0%	0%	59%	57%	57%	59%	57%	44%	166%	202%	0%
2001	Dry	0%	0%	0%	6%	6%	6%	6%	6%	5%	17%	20%	0%
2002	Dry	0%	0%	0%	1%	1%	1%	1%	1%	1%	2%	3%	0%
2003	Below Normal	0%	0%	0%	30%	29%	29%	30%	n/a	n/a	n/a	n/a	n/a

Simulated Merced River Inflow to San Joaquin River (Node C566)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	684	582	159	757	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	49	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	494	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	329	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	82	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	117	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	640	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,414	236	145	338	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,022	435	558	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	223	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	521	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	426	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	747	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	478	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,390	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	394	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	83	44
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,071	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	385	240	149	114	390
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Merced River Inflow to San Joaquin River (Node C566)

Alternative 1 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal			469	304	962	1,270	1,017	261	209	685	582	159	756	598
1924	Critical			593	385	382	396	320	273	253	43	63	88	45	49
1925	Below Normal			282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry			266	354	375	375	336	271	493	621	61	51	37	51
1927	Above Normal			274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal			426	352	389	361	493	341	330	202	271	179	88	80
1929	Critical			296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical			276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical			276	385	372	382	408	292	99	98	84	124	76	75
1932	Above Normal			266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry			310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical			298	383	405	466	469	311	416	283	113	113	66	29
1935	Above Normal			282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal			368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet			707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet			442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry			833	397	383	443	509	453	641	583	135	67	73	68
1940	Above Normal			331	424	418	573	489	280	419	1,413	236	145	337	416
1941	Wet			459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet			718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet			494	549	783	2,172	1,974	3,163	910	1,132	435	449	941	490
1944	Below Normal			475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal			357	489	446	441	2,450	834	450	729	222	934	937	421
1946	Above Normal			840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry			520	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal			319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal			348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal			326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal			329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet			347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal			450	428	334	1,080	727	358	427	267	190	140	126	55
1954	Below Normal			360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry			314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet			311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal			580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet			424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry			483	395	382	395	564	335	748	651	172	107	116	94
1960	Critical			307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical			286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal			264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal			346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry			411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet			346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal			474	866	812	1,055	724	346	480	345	257	206	165	79
1967	Wet			293	366	400	408	424	1,388	1,756	2,666	4,147	4,063	1,494	797
1968	Dry			747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet			275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal			825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal			383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry			359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal			309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet			815	776	1,095	1,690	870	1,126	325	2,088	393	841	1,054	586
1975	Wet			667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical			1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical			354	311	322	373	253	234	569	361	173	130	81	44
1978	Wet			268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal			509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet			698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry			629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet			401	405	414	484	2,070	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet			1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal			1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry			526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet			405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical			558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical			356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical			256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical			305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical			248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical			270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet			206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical			739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet			239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet			474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet			613	845	3,494	9,912	2,144	1,191	760	466	240	149	114	307
1998	Wet			389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal			741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal			285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry			380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry			239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal			227	316	353	327	287	241	251	513	160	80	66	41

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			515	1,062	1,438	1,170	3,946	3,113	2,023	1,919	3,615	1,475	951	940
1923	Above Normal			726	1,319	2,082	2,462	2,252	1,534	2,485	1,260	907	278	840	1,148
1924	Critical			769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal			484	1,053	780	708	1,967	1,769	2,015	1,021	494	145	132	536
1926	Dry			512	1,032	817	728	1,310	1,333	1,872	939	192	61	90	534
1927	Above Normal			503	1,312	918	848	2,869	1,908	2,183	1,082	446	205	166	576
1928	Below Normal			745	1,458	946	919	1,499	1,996	1,502	480	403	190	141	562
1929	Critical			516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical			491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical			420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal			431	945	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry			481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical			476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal			465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal			644	1,134	812	921	7,929	2,382	2,860	1,918	470	340	902	937
1937	Wet			982	1,170	909	1,616	10,479	4,847	3,471	5,652	952	696	892	949
1938	Wet			690	1,321	3,705	3,085	13,421	17,288	9,804	13,009	9,480	2,490	1,293	1,126
1939	Dry			1,148	1,382	874	869	1,429	1,810	1,071	889	283	93	126	632
1940	Above Normal			609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet			708	1,121	2,368	2,345	8,907	4,884	3,560	5,828	4,214	1,919	1,186	1,029
1942	Wet			985	1,357	2,203	3,126	3,378	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet			742	1,572	1,291	5,894	3,405	8,308	3,029	1,737	658	610	1,022	977
1944	Below Normal			723	1,335	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal			614	1,345	937	843	6,340	3,365	2,303	1,161	521	1,003	1,003	917
1946	Above Normal			1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	206	194	568
1947	Dry			779	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal			586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal			595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal			547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal			595	1,947	6,680	4,077	2,852	1,943	1,771	850	464	223	182	551
1952	Wet			598	1,141	1,261	4,547	2,644	6,515	4,672	9,170	6,072	2,094	1,316	1,134
1953	Below Normal			689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal			590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry			535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet			531	1,084	5,651	10,548	5,009	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal			828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet			698	1,066	864	932	2,167	5,779	9,122	7,615	4,760	1,844	1,226	1,189
1959	Dry			722	1,069	808	788	1,632	1,444	1,473	848	270	117	169	668
1960	Critical			527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical			429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal			480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal			601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry			705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet			621	1,161	1,751	3,549	1,561	1,707	2,840	1,543	701	327	336	789
1966	Below Normal			713	2,088	1,482	1,676	1,714	1,525	1,267	590	372	232	218	561
1967	Wet			513	1,087	1,556	1,168	1,561	3,515	8,592	8,332	7,405	6,065	1,596	1,302
1968	Dry			986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet			523	1,152	1,006	7,382	16,131	12,297	12,746	15,291	14,063	3,062	1,334	1,234
1970	Above Normal			1,124	1,277	935	5,402	2,453	2,814	1,631	1,156	519	292	288	637
1971	Below Normal			625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry			588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal			547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet			1,127	1,614	1,700	3,304	1,791	3,038	2,610	2,485	591	905	1,120	1,073
1975	Wet			930	1,173	868	716	3,487	3,211	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical			1,314	982	805	736	927	1,234	740	415	269	156	232	614
1977	Critical			506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet			442	772	802	1,986	5,563	6,239	9,003	6,666	8,429	2,704	1,381	1,927
1979	Above Normal			731	1,320	883	2,422	3,699	3,939	2,311	1,682	546	322	797	930
1980	Wet			965	1,096	835	8,667	11,878	7,878	2,410	2,244	4,000	2,374	1,314	1,069
1981	Dry			851	1,203	886	970	1,257	1,813	1,583	746	338	195	221	580
1982	Wet			681	1,160	921	1,862	4,221	5,874	14,647	9,622	4,541	2,356	1,492	1,775
1983	Wet			1,684	5,177	11,197	14,233	17,664	22,797	13,906	13,974	18,260	11,028	2,570	1,705
1984	Above Normal			1,909	5,396	10,022	6,043	6,327	1,899	1,792	1,258	466	327	359	703
1985	Dry			812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet			669	1,133	915	815	11,828	13,251	5,080	5,207	3,304	984	1,179	1,232
1987	Critical			816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical			592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical			472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical			557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical			482	913	664	595	842	2,046	916	233	147	0	11	318
1992	Critical			476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet			390	866	721	3,073	2,259	2,542	1,859	1,671	3,144	1,594	1,184	1,127
1994	Critical			1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet			423	927	656	2,423	2,092	10,475	6,197	9,824	9,607	9,191	1,785	1,031
1996	Wet			697	1,218	840	1,432	5,231	4,294	2,482	2,240	463	461	1,001	984
1997	Wet			881	2,179	9,675	32,141	8,846	2,564	2,249	2,231	1,581	184	178	875
1998	Wet			628	1,119	814	2,665	13,014	6,322	7,551	8,215	11,954	9,055	1,586	1,280
1999	Above Normal			1,008	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal			540	1,031	729	882	4,929	3,299	2,366	1,680	419	197	195	563
2001	Dry			751	1,185	819	800	1,326	1,850	1,249	433	343	101	154	516
2002	Dry			469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal			447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	515	1,062	1,438	1,170	3,961	3,139	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,268	2,210	1,534	2,485	1,260	907	278	839	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,020	494	145	131	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	938	193	61	91	534
1927	Above Normal	503	1,312	918	848	2,868	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,505	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	890	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,374	2,382	2,814	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	9,177	4,058	2,331	2,977	952	696	892	949
1938	Wet	690	1,321	3,705	2,851	11,357	14,315	7,618	10,024	9,132	2,490	1,293	1,126
1939	Dry	1,238	1,382	874	869	1,429	1,810	1,071	890	283	93	126	632
1940	Above Normal	609	1,108	845	2,244	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,344	7,024	4,910	3,560	5,056	4,061	1,919	1,186	1,029
1942	Wet	1,048	1,357	2,203	2,523	3,186	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	3,787	3,286	6,348	2,798	1,611	658	502	1,022	977
1944	Below Normal	723	1,327	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	4,791	3,365	2,304	1,161	520	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	205	194	568
1947	Dry	778	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	3,712	3,170	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,413	2,684	6,067	3,452	6,289	4,375	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	3,991	6,782	4,667	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,226	7,655	5,359	4,251	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,475	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,423	1,561	1,707	2,840	1,543	701	327	335	788
1966	Below Normal	713	2,088	1,482	1,676	1,713	1,525	1,268	590	371	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,513	7,320	6,016	5,769	4,236	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	5,388	14,272	9,380	10,538	12,453	11,764	2,853	1,334	1,234
1970	Above Normal	1,133	1,277	935	5,392	2,453	2,757	1,631	1,156	519	292	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	2,557	1,791	3,038	2,566	2,485	590	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,139	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	986	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	743	802	1,986	4,325	4,935	6,368	3,990	5,547	2,704	1,380	1,927
1979	Above Normal	731	1,320	883	2,422	3,608	3,773	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	6,156	8,102	6,777	2,410	2,244	3,682	2,374	1,314	1,069
1981	Dry	851	1,234	886	970	1,257	1,813	1,584	746	338	194	221	580
1982	Wet	681	1,160	921	1,862	4,100	5,721	10,873	6,693	3,409	2,356	1,492	1,775
1983	Wet	1,684	4,076	10,123	13,274	17,467	22,670	13,738	13,804	17,712	11,004	2,570	1,705
1984	Above Normal	1,909	5,273	9,997	6,018	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	7,865	9,824	4,889	3,699	2,808	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,254	2,542	1,859	1,670	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,417	2,092	8,560	4,434	7,713	6,662	8,627	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,223	3,577	2,439	2,240	463	461	1,001	984
1997	Wet	881	2,131	7,097	26,630	7,592	2,564	2,249	1,967	1,581	184	178	793
1998	Wet	628	1,119	814	2,653	10,273	5,249	6,392	6,006	8,808	8,100	1,586	1,280
1999	Above Normal	1,061	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,811	3,212	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,248	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,208	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,472	3,236	1,433	660	647	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,690	1,509	2,014	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	338	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,606	1,354	3,321	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	867	743	316	321	348	341
1982	Wet	439	421	600	955	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,771	2,678	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,207	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,474	3,274	1,433	660	611	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,720	1,494	1,999	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	368	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,617	1,349	3,316	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	866	743	316	321	348	341
1982	Wet	439	421	600	956	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,802	2,648	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			1,352	1,692	2,037	1,774	4,632	3,746	5,421	3,695	12,191	3,447	1,605	1,623
1923	Above Normal			1,564	1,915	2,905	4,441	4,211	2,398	5,571	2,710	1,563	900	1,485	1,839
1924	Critical			1,617	1,485	1,406	1,338	1,482	1,756	778	551	297	286	334	704
1925	Below Normal			935	1,495	1,220	1,135	2,421	2,272	3,748	2,749	1,018	569	599	1,044
1926	Dry			1,174	1,559	1,294	1,193	1,795	1,827	2,870	1,870	625	479	553	1,036
1927	Above Normal			1,097	1,761	1,370	1,305	3,388	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal			1,597	2,074	1,559	1,520	2,150	5,272	2,799	1,501	855	615	609	1,072
1929	Critical			1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical			970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical			898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal			876	1,381	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry			1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical			1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal			922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal			1,494	1,744	1,409	1,514	8,604	5,888	6,183	3,453	1,185	1,034	1,545	1,620
1937	Wet			1,832	1,818	1,509	2,207	14,261	9,350	7,014	7,218	1,637	1,294	1,534	1,633
1938	Wet			1,537	1,967	5,627	4,698	20,533	25,108	15,341	18,530	13,950	6,239	1,957	1,830
1939	Dry			2,198	2,060	1,478	1,463	2,334	3,232	1,932	1,742	722	521	599	1,148
1940	Above Normal			1,206	1,605	1,284	2,655	3,295	6,192	6,204	3,126	1,251	867	995	1,530
1941	Wet			1,463	1,673	3,124	3,613	13,919	9,811	8,168	7,138	5,546	4,522	1,891	1,680
1942	Wet			1,792	1,958	2,851	6,406	6,813	5,076	6,825	6,271	6,002	5,140	1,929	1,805
1943	Wet			1,674	2,214	1,918	9,317	6,662	14,541	6,808	3,349	2,729	1,743	1,612	1,517
1944	Below Normal			1,594	1,946	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	668	1,026
1945	Above Normal			1,257	1,798	1,326	1,372	8,860	7,336	6,666	2,673	1,113	1,743	1,720	1,592
1946	Above Normal			1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	877	1,249
1947	Dry			1,556	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	444	564	1,003
1948	Below Normal			1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal			1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	553	616	997
1950	Below Normal			1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal			1,227	2,154	11,476	7,838	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet			1,177	1,542	1,737	5,393	3,459	10,357	9,362	14,342	10,539	5,899	2,025	1,832
1953	Below Normal			1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	748	701	1,037
1954	Below Normal			1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,724	937	611	641	1,031
1955	Dry			1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet			1,041	1,484	6,092	17,719	9,177	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal			1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet			1,304	1,472	1,296	1,494	3,011	9,563	15,319	12,611	9,899	4,632	1,990	1,942
1959	Dry			1,593	1,616	1,390	1,413	2,599	2,765	2,344	1,701	677	508	579	1,140
1960	Critical			1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical			761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal			800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal			1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,118	1,261	937	856	1,279
1964	Dry			1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet			1,082	1,427	1,985	7,346	5,105	4,774	6,070	2,784	1,117	927	1,119	1,655
1966	Below Normal			1,414	2,580	3,592	2,781	3,757	2,647	2,109	1,362	670	526	540	903
1967	Wet			1,016	1,355	1,875	1,751	1,847	5,121	13,193	12,341	13,951	12,634	2,278	2,083
1968	Dry			1,748	1,584	1,274	1,292	1,827	2,430	1,739	755	598	653	1,040	
1969	Wet			1,038	1,520	1,295	8,849	21,587	16,230	17,946	22,182	21,658	6,938	1,885	1,850
1970	Above Normal			2,460	2,039	2,083	11,398	5,039	5,920	3,060	2,507	867	777	731	1,164
1971	Below Normal			1,415	1,620	1,579	1,524	1,672	2,997	2,969	2,323	925	659	668	1,041
1972	Dry			1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal			978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet			1,808	2,359	3,728	6,169	3,546	6,878	5,305	3,942	3,973	2,020	1,684	1,834
1975	Wet			2,118	2,290	1,657	1,360	5,808	6,901	4,768	3,307	5,171	2,545	1,798	1,690
1976	Critical			2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical			812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet			681	1,042	1,053	2,418	6,113	6,819	10,540	8,167	11,335	3,181	1,917	2,474
1979	Above Normal			1,241	2,031	1,495	3,468	7,356	8,246	4,437	7,387	1,086	923	1,503	1,547
1980	Wet			1,691	1,910	1,713	11,739	18,639	11,711	4,891	4,441	9,123	5,946	1,971	1,871
1981	Dry			1,711	2,006	1,406	1,664	1,867	2,623	2,538	1,572	700	560	647	1,019
1982	Wet			1,237	1,581	1,522	2,818	10,899	11,498	23,940	16,091	9,443	6,099	2,176	4,255
1983	Wet			4,980	8,330	16,538	19,516	24,390	38,925	19,077	21,966	22,643	17,358	5,528	3,899
1984	Above Normal			2,968	10,882	17,499	10,213	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry			1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet			1,120	1,496	1,272	1,099	14,502	21,309	8,086	8,552	7,044	1,686	1,805	1,998
1987	Critical			2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	402	813
1988	Critical			857	1,319	1,051	1,051	1,236	1,490	953	764	361	160	251	687
1989	Critical			686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical			796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical			717	1,179	887	803	1,102	2,520	1,400	808	274	140	209	514
1992	Critical			710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet			626	1,101	939	3,854	2,741	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical			1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet			677	1,146	879	2,941	2,245	18,465	11,008	19,443	14,781	17,595	3,657	1,928
1996	Wet			1,573	1,697	1,271	1,971	10,899	9,216	5,341	5,029	3,594	1,310	1,570	1,620
1997	Wet			1,591	2,705	15,970	49,876	12,565	5,392	3,557	3,569	2,118	741	752	1,465
1998	Wet			1,438	1,457	1,246	3,606	20,288	11,420	11,512	13,886	19,029	15,856	2,196	1,947
1999	Above Normal			2,090	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	859	1,227
2000	Above Normal			1,246	1,500	1,073	1,316	8,852	7,050	4,502	3,360	2,228	734	967	1,385
2001	Dry			1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry			906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal			876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Alternative 1 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			1,352	1,692	2,037	1,774	4,646	3,771	5,421	3,695	12,190	3,447	1,605	1,623
1923	Above Normal			1,564	1,915	2,905	4,247	4,169	2,398	5,571	2,710	1,562	899	1,484	1,839
1924	Critical			1,617	1,485	1,406	1,338	1,482	1,756	778	552	297	287	334	704
1925	Below Normal			936	1,495	1,220	1,135	2,421	2,272	3,748	2,748	1,017	567	597	1,043
1926	Dry			1,173	1,559	1,294	1,193	1,795	1,827	2,871	1,870	626	481	554	1,036
1927	Above Normal			1,097	1,761	1,370	1,305	3,387	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal			1,597	2,074	1,559	1,520	2,150	5,272	2,800	1,501	855	615	609	1,072
1929	Critical			1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical			970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical			898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal			876	1,327	2,028	1,682	4,127	2,297	3,634	2,438	1,095	752	713	1,074
1933	Dry			1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	727	449	507	875
1934	Critical			1,072	1,415	1,216	1,230	1,730	1,783	982	814	378	287	333	711
1935	Above Normal			922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	888	823	1,227
1936	Above Normal			1,494	1,744	1,409	1,514	8,048	5,889	6,182	3,453	1,185	997	1,545	1,620
1937	Wet			1,832	1,818	1,509	2,207	12,959	8,561	5,874	4,542	1,637	1,294	1,534	1,633
1938	Wet			1,537	1,967	5,627	4,464	18,469	22,135	13,155	15,545	13,602	6,239	1,957	1,830
1939	Dry			2,288	2,060	1,478	1,463	2,334	3,232	1,932	1,741	721	519	598	1,148
1940	Above Normal			1,205	1,605	1,284	2,678	3,294	6,192	6,204	3,126	1,252	868	996	1,531
1941	Wet			1,463	1,673	3,124	3,612	12,036	9,837	8,168	6,366	5,392	4,521	1,890	1,680
1942	Wet			1,855	1,958	2,851	5,802	6,622	5,076	6,825	6,271	6,002	5,139	1,929	1,805
1943	Wet			1,674	2,214	1,918	7,210	6,544	12,581	6,619	3,207	2,714	1,634	1,611	1,517
1944	Below Normal			1,594	1,938	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	667	1,026
1945	Above Normal			1,257	1,798	1,326	1,372	7,311	7,336	4,666	2,673	1,112	1,743	1,720	1,591
1946	Above Normal			1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	876	1,249
1947	Dry			1,555	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	445	564	1,003
1948	Below Normal			1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal			1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	554	616	997
1950	Below Normal			1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal			1,227	2,154	8,509	6,930	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet			1,177	1,542	1,737	5,260	3,499	9,909	8,155	11,460	8,843	5,899	2,025	1,832
1953	Below Normal			1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	747	701	1,037
1954	Below Normal			1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,725	937	612	641	1,031
1955	Dry			1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet			1,041	1,484	4,432	13,953	8,835	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal			1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet			1,304	1,472	1,296	1,494	3,011	9,011	13,865	10,355	9,389	4,631	1,989	1,942
1959	Dry			1,593	1,616	1,390	1,413	2,599	2,765	2,346	1,701	677	508	579	1,140
1960	Critical			1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical			761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal			800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal			1,181	1,331	1,101	1,366	2,460	2,082	2,178	3,117	1,261	937	856	1,279
1964	Dry			1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet			1,082	1,427	1,985	7,221	5,105	4,774	6,069	2,784	1,116	926	1,118	1,654
1966	Below Normal			1,414	2,580	3,592	2,781	3,757	2,647	2,110	1,361	670	525	539	903
1967	Wet			1,016	1,355	1,875	1,751	1,847	5,120	11,935	10,026	12,315	10,805	2,278	2,083
1968	Dry			1,748	1,584	1,274	1,292	1,827	2,430	1,739	755	598	653	1,040	1,408
1969	Wet			1,038	1,520	1,295	6,854	19,729	13,313	15,738	19,344	19,359	6,729	1,885	1,850
1970	Above Normal			2,469	2,039	2,083	11,387	5,039	5,863	3,060	2,507	867	777	731	1,164
1971	Below Normal			1,415	1,620	1,579	1,524	1,672	2,969	2,969	2,323	925	659	668	1,041
1972	Dry			1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal			978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet			1,808	2,359	3,728	5,421	3,546	6,878	5,283	3,936	3,967	2,019	1,683	1,834
1975	Wet			2,118	2,290	1,657	1,360	5,807	6,829	4,768	3,307	5,172	2,545	1,798	1,690
1976	Critical			2,785	1,825	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical			812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet			681	1,013	1,053	2,418	4,875	5,515	7,905	5,490	8,453	3,179	1,916	2,473
1979	Above Normal			1,241	2,031	1,495	3,468	7,265	8,080	4,437	7,388	1,086	923	1,503	1,547
1980	Wet			1,691	1,910	1,713	9,228	14,863	10,610	4,892	4,441	8,805	5,945	1,970	1,871
1981	Dry			1,711	2,037	1,406	1,664	1,867	2,623	2,538	1,572	699	559	646	1,019
1982	Wet			1,237	1,581	1,522	2,818	10,778	11,346	20,165	13,162	8,311	6,099	2,176	4,255
1983	Wet			4,980	7,229	15,464	18,556	24,193	38,798	18,909	21,795	22,095	17,334	5,528	3,899
1984	Above Normal			2,968	10,760	17,474	10,188	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry			1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet			1,120	1,496	1,272	1,099	10,539	17,882	7,895	7,045	6,548	1,686	1,805	1,998
1987	Critical			2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	401	813
1988	Critical			857	1,319	1,051	1,051	1,236	1,489	953	764	361	160	251	687
1989	Critical			686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical			796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical			717	1,179	887	803	1,102	2,520	1,400	808	274	139	209	514
1992	Critical			710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet			626	1,101	939	3,854	2,736	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical			1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet			677	1,146	879	2,935	2,245	16,550	9,244	17,330	11,835	17,028	3,655	1,927
1996	Wet			1,572	1,697	1,271	1,971	10,891	8,499	5,338	4,999	3,593	1,309	1,569	1,619
1997	Wet			1,591	2,657	13,393	44,366	11,312	5,392	3,557	3,304	2,118	741	752	1,383
1998	Wet			1,438	1,457	1,246	3,595	17,547	10,347	10,352	11,677	15,881	14,900	2,195	1,946
1999	Above Normal			2,143	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	860	1,227
2000	Above Normal			1,246	1,500	1,073	1,316	8,735	6,963	4,502	3,360	2,228	734	967	1,385
2001	Dry			1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry			906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal			876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	409	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,038	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,306
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	414	411	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	441	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	725	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,561	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,209	1,375	1,424	678	586	1,244
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,708	1,284	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,712	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,164	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	407	372	394
1982	Wet	951	263	291	387	2,141	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	408	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	430	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	406	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	721	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	558	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,060	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,284
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	413	410	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	442	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	724	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,560	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,211	1,375	1,424	678	586	1,242
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,709	1,283	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,713	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,163	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	406	372	394
1982	Wet	951	263	291	387	2,142	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	2,665	2,231	2,770	2,643	5,674	6,916	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal	2,959	2,521	3,941	6,199	5,884	4,555	8,178	5,688	3,704	2,308	2,475	2,826
1924	Critical	3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,782	1,196	1,117	1,208	1,537
1925	Below Normal	2,076	2,060	1,852	1,742	2,909	3,154	6,524	5,811	2,389	1,632	1,543	1,950
1926	Dry	2,560	2,230	1,922	1,862	2,387	2,524	4,590	3,403	1,684	1,396	1,475	1,923
1927	Above Normal	2,310	2,481	2,056	2,100	4,105	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal	3,072	2,811	2,312	2,421	2,683	6,502	5,226	3,804	1,982	1,610	1,594	2,011
1929	Critical	2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical	2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical	2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal	1,952	1,857	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry	2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical	2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,072	1,441
1935	Above Normal	2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal	2,704	2,374	2,004	2,255	9,773	7,735	8,256	5,703	2,734	2,162	2,486	2,526
1937	Wet	3,087	2,438	2,168	2,999	15,063	11,257	9,074	9,802	3,439	2,414	2,478	2,538
1938	Wet	2,796	2,647	6,564	5,989	22,091	30,573	19,083	23,003	16,654	8,681	3,186	3,742
1939	Dry	3,884	2,946	2,284	2,426	3,053	3,836	3,890	3,511	1,646	1,423	1,535	2,062
1940	Above Normal	2,573	2,187	1,819	3,283	4,069	9,454	9,197	6,018	3,136	1,924	1,948	2,480
1941	Wet	2,890	2,378	3,909	4,589	15,152	13,633	11,281	11,335	8,124	6,419	2,937	2,678
1942	Wet	3,282	2,914	3,758	7,510	8,313	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet	3,217	2,961	2,860	12,585	9,730	19,983	10,027	6,557	4,936	2,933	2,734	2,636
1944	Below Normal	3,163	2,804	2,347	2,392	3,217	3,847	5,291	4,208	2,300	1,621	1,632	1,936
1945	Above Normal	2,668	2,497	2,153	2,345	9,767	10,149	7,006	5,714	3,140	3,064	2,793	2,628
1946	Above Normal	3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,872	1,854	2,176
1947	Dry	2,927	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal	2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal	2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal	2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal	2,385	2,821	13,706	12,214	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet	2,482	2,141	2,366	6,183	4,533	13,413	12,654	18,383	13,273	8,423	4,454	4,087
1953	Below Normal	3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,586	1,944	1,638	1,973
1954	Below Normal	2,571	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry	2,387	1,981	1,899	2,478	2,478	2,591	3,454	2,757	1,717	1,401	1,425	1,791
1956	Wet	2,164	1,984	7,433	20,580	11,760	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal	3,067	2,398	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet	2,712	2,191	1,983	2,180	3,750	12,169	19,197	15,958	12,255	6,064	3,107	3,678
1959	Dry	3,137	2,423	2,175	2,281	4,061	3,561	4,365	3,503	1,638	1,349	1,441	2,015
1960	Critical	2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,313	1,063	1,222	1,596
1961	Critical	1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal	1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal	2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry	2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,586	1,337	1,354	1,757
1965	Wet	2,250	2,043	2,863	8,940	6,458	5,829	8,558	5,218	2,985	1,935	2,139	2,612
1966	Below Normal	2,920	3,369	4,509	4,176	4,652	3,383	3,407	2,769	1,580	1,399	1,358	1,686
1967	Wet	2,133	1,873	2,659	2,784	3,427	7,512	16,042	15,499	16,178	15,023	3,435	3,279
1968	Dry	3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet	2,382	2,102	2,004	9,639	24,219	21,599	21,738	25,964	25,803	9,851	4,226	4,041
1970	Above Normal	4,083	2,964	3,540	16,875	8,731	8,648	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal	2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry	2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal	2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet	3,348	2,816	4,398	6,629	4,584	8,915	7,742	5,731	5,832	3,391	2,823	2,863
1975	Wet	3,661	3,086	2,478	2,348	6,465	8,980	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical	3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,359	1,279	1,531	1,649
1977	Critical	2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet	1,461	1,484	1,500	3,086	6,714	8,120	13,545	11,698	12,675	4,351	2,890	3,354
1979	Above Normal	2,759	2,981	2,355	4,075	8,238	9,502	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet	3,216	2,573	2,139	12,348	19,970	16,637	7,081	7,307	11,321	7,287	3,173	2,763
1981	Dry	3,395	2,885	2,045	2,240	2,478	3,434	4,580	3,656	1,711	1,505	1,446	1,813
1982	Wet	2,643	2,164	2,126	3,636	13,458	15,884	28,326	19,415	11,929	8,432	4,669	7,487
1983	Wet	7,323	11,331	21,068	26,611	32,173	48,957	23,465	26,046	28,311	24,310	9,136	7,934
1984	Above Normal	4,879	16,567	24,066	15,447	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry	3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet	2,725	2,445	2,108	1,895	15,427	27,272	12,254	11,543	9,576	3,057	3,006	3,508
1987	Critical	4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical	2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,995	1,138	847	1,038	1,437
1989	Critical	1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical	1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical	1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical	1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet	1,414	1,526	1,394	4,705	3,842	3,822	3,815	3,770	8,155	4,318	2,345	2,644
1994	Critical	2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet	1,614	1,691	1,360	3,700	3,427	20,103	13,128	22,852	16,328	19,518	4,764	2,947
1996	Wet	3,256	2,722	2,116	2,699	11,541	11,123	8,095	7,543	5,683	2,521	2,598	2,753
1997	Wet	3,203	3,640	18,846	60,096	23,048	10,630	5,981	6,306	4,009	1,896	2,023	2,824
1998	Wet	3,061	2,183	2,015	4,204	22,462	15,034	14,667	16,729	20,588	19,724	5,596	4,854
1999	Above Normal	4,520	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,918	2,037	2,376	2,763
2000	Above Normal	2,852	2,308	1,692	2,229	9,455	9,454	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry	2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry	2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal	1,889	1,850	1,854	1,714	2,287	2,426	3,942	3,369	2,148	1,383	1,492	1,773

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Alternative 1 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,689	6,942	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,005	5,842	4,555	8,178	5,688	3,703	2,307	2,474	2,825
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,783	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,910	3,154	6,524	5,810	2,388	1,629	1,541	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,386	2,524	4,591	3,404	1,686	1,398	1,477	1,924
1927	Above Normal			2,310	2,481	2,056	2,100	4,104	3,855	6,509	5,390	3,276	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,228	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,803	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,683	1,673	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,769	1,251	1,126	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,063	1,757	2,123
1936	Above Normal			2,704	2,374	2,004	2,255	9,218	7,737	8,254	5,703	2,734	2,125	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	13,761	10,467	7,957	7,126	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,755	20,027	27,600	16,897	20,018	16,306	8,681	3,186	3,720
1939	Dry			3,973	2,946	2,284	2,426	3,053	3,836	3,890	3,510	1,644	1,420	1,533	2,061
1940	Above Normal			2,573	2,187	1,819	3,306	4,069	9,455	9,198	6,017	3,137	1,925	1,949	2,480
1941	Wet			2,891	2,378	3,909	4,589	13,269	13,660	11,280	10,564	7,971	6,418	2,937	2,678
1942	Wet			3,345	2,914	3,758	6,907	8,121	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,861	10,478	9,611	18,022	9,838	6,415	4,921	2,824	2,733	2,636
1944	Below Normal			3,163	2,797	2,347	2,392	3,217	3,847	5,291	4,207	2,300	1,620	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	8,218	10,149	7,006	5,713	3,139	3,063	2,792	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,871	1,854	2,176
1947	Dry			2,926	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	10,739	11,306	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,050	4,573	12,965	11,447	15,501	11,577	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,585	1,943	1,608	1,972
1954	Below Normal			2,570	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,310	2,591	3,454	2,757	1,717	1,401	1,424	1,791
1956	Wet			2,164	1,984	5,773	16,814	11,418	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,399	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	11,616	17,745	13,702	11,746	6,062	3,106	3,676
1959	Dry			3,136	2,423	2,175	2,281	4,061	3,561	4,367	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,312	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,608	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,587	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,815	6,458	5,829	8,558	5,218	2,984	1,934	2,138	2,611
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,409	2,769	1,580	1,398	1,588	1,685
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,511	14,785	13,184	14,543	13,194	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	7,644	22,361	18,681	19,530	23,126	23,502	9,642	4,226	4,041
1970	Above Normal			4,092	2,964	3,540	16,865	8,731	8,590	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	5,881	4,584	8,915	7,720	5,726	5,825	3,390	2,822	2,862
1975	Wet			3,661	3,085	2,478	2,348	6,465	8,908	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,815	2,023	2,048	2,308	2,414	3,333	2,734	1,358	1,278	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,455	1,500	3,086	5,476	6,816	10,910	9,021	9,792	4,349	2,888	3,353
1979	Above Normal			2,759	2,981	2,355	4,075	8,147	9,336	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	9,837	16,194	15,536	7,081	7,306	11,003	7,287	3,173	2,763
1981	Dry			3,395	2,916	2,045	2,240	2,478	3,434	4,580	3,656	1,710	1,504	1,445	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,338	15,732	24,552	16,486	10,797	8,432	4,669	7,487
1983	Wet			7,323	10,230	19,994	25,651	31,976	48,831	23,297	25,875	27,764	24,287	9,136	7,934
1984	Above Normal			4,879	16,445	24,040	15,421	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	11,464	23,845	12,063	10,036	9,080	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,994	1,138	846	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,837	3,822	3,815	3,770	8,155	4,317	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,694	3,427	18,187	11,364	20,740	13,382	18,951	4,762	2,946
1996	Wet			3,256	2,721	2,116	2,699	11,533	10,405	8,092	7,512	5,682	2,519	2,597	2,753
1997	Wet			3,203	3,592	16,269	54,585	21,794	10,630	5,981	6,041	4,009	1,896	2,023	2,742
1998	Wet			3,061	2,183	2,015	4,193	19,720	13,961	13,507	14,520	17,441	18,767	5,595	4,853
1999	Above Normal			4,573	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,919	2,037	2,376	2,763
2000	Above Normal			2,852	2,308	1,692	2,229	9,338	9,367	6,662	5,669	4,057	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal														

Simulated Exports Through Jones Pumping Plant (Node D418)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,600	4,600	4,600	3,559	3,216	4,510	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,055	4,263	4,270	3,572	4,430	3,040	1,016	800	3,387	4,600	4,100	4,600
1924	Critical	4,600	4,592	3,823	3,359	2,175	800	966	854	384	800	1,272	2,773
1925	Dry	3,098	1,214	3,996	3,197	2,382	2,624	1,080	959	3,035	4,408	3,764	3,431
1926	Dry	3,652	4,011	3,396	3,213	1,775	800	1,135	800	2,390	3,510	2,935	3,926
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,330	3,643
1928	Above Normal	2,926	4,092	4,600	3,440	2,182	4,288	863	800	2,558	3,900	4,600	4,252
1929	Critical	3,124	2,711	4,600	3,298	3,317	2,413	800	800	683	2,130	4,600	3,142
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,376	2,407	2,972
1931	Critical	3,211	3,300	3,177	3,184	3,622	1,224	800	800	390	600	1,239	2,870
1932	Dry	3,082	2,244	4,600	3,423	4,120	1,037	800	800	713	800	3,134	4,600
1933	Critical	3,157	2,907	4,072	3,895	1,739	1,397	800	800	579	800	4,525	4,287
1934	Critical	3,222	2,272	2,682	587	844	1,023	800	800	451	600	1,240	2,703
1935	Below Normal	2,794	3,225	4,204	3,511	2,922	2,500	850	800	3,017	3,455	1,875	4,478
1936	Below Normal	4,229	3,780	4,250	2,216	1,575	2,135	1,026	800	2,761	4,324	3,158	4,600
1937	Below Normal	4,241	4,200	4,044	2,264	1,151	1,126	1,129	1,218	1,451	3,296	2,512	4,600
1938	Wet	3,492	4,600	3,537	830	936	2,075	2,380	4,313	4,600	4,600	4,600	4,490
1939	Dry	3,905	800	4,600	3,398	4,322	1,774	800	800	448	4,600	3,436	4,359
1940	Above Normal	3,507	3,781	2,379	2,590	3,327	4,600	1,144	800	2,743	3,963	4,284	3,511
1941	Wet	3,288	3,132	4,248	3,993	4,600	4,600	1,405	1,410	3,950	4,600	4,600	4,600
1942	Wet	3,462	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,752	4,600	3,940	4,600	4,600	4,600	1,248	812	3,710	4,600	4,600	4,600
1944	Dry	3,666	4,488	4,269	3,399	3,692	2,466	873	800	1,868	4,244	2,859	3,263
1945	Below Normal	3,517	4,600	3,965	3,409	4,109	4,254	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,441	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,559	4,600	4,325	4,099	3,534	1,341	1,008	800	1,711	4,600	3,447	4,127
1948	Below Normal	3,626	4,467	3,549	2,022	800	2,530	800	800	2,681	3,804	4,600	4,600
1949	Dry	4,600	4,422	4,273	3,214	3,324	1,941	800	800	1,734	4,600	4,053	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,247	4,600	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,282	1,202	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,598	3,951	4,600	1,576	2,291	4,600	4,600	4,600	4,600
1953	Wet	3,341	4,476	4,600	3,168	3,884	3,708	847	800	1,938	4,600	4,600	4,600
1954	Above Normal	2,579	4,446	4,057	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,332	4,528	4,600	3,565	3,628	2,507	851	800	583	4,600	4,046	4,600
1956	Wet	3,368	4,095	4,600	4,600	4,600	1,840	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	3,997	2,395	1,989	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,456	2,168	3,070	3,287	1,078	857	1,664	4,584	4,600	3,542
1960	Dry	3,689	3,508	3,650	3,185	2,240	2,432	800	1,222	1,522	4,069	2,879	4,408
1961	Dry	3,617	4,164	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600
1962	Below Normal	3,450	3,997	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,222
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,887
1964	Dry	3,338	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,436
1967	Wet	3,889	3,784	3,806	3,725	3,622	4,483	2,000	1,930	4,600	4,600	4,600	4,566
1968	Below Normal	4,090	2,298	4,600	3,384	2,282	3,528	868	968	1,661	4,600	4,600	3,601
1969	Wet	4,071	4,016	4,600	4,435	4,502	1,992	2,711	4,005	4,600	4,600	4,600	4,143
1970	Wet	4,021	800	4,112	4,600	3,355	2,511	800	800	1,844	4,107	4,600	4,115
1971	Wet	3,557	2,595	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,905	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	2,657
1974	Wet	4,600	4,600	4,414	4,425	3,930	3,644	962	800	3,432	4,600	4,600	4,600
1975	Wet	4,374	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	3,983	4,600	3,724	4,600	2,947	1,294	800	439	2,590	980	1,720
1977	Critical	2,704	3,696	3,066	2,959	3,518	800	800	800	185	600	4,065	1,574
1978	Above Normal	2,408	1,592	2,921	2,880	4,600	4,600	1,688	1,456	4,600	4,600	4,600	4,600
1979	Below Normal	3,885	3,953	4,395	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,600	3,011	4,600	4,600	4,206	1,841	879	905	4,450	4,600	4,600	2,470
1981	Dry	4,180	4,600	4,600	3,391	3,394	2,923	1,134	898	1,648	4,600	3,913	4,600
1982	Wet	4,562	4,600	3,662	3,848	4,600	3,753	2,735	2,420	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	1,978	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,770	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,175	1,526	1,435	3,905	4,600	4,600	800
1987	Dry	2,980	1,618	4,324	3,296	3,360	2,351	800	800	1,631	4,486	2,815	3,262
1988	Critical	4,540	3,902	3,319	2,335	800	800	1,018	800	351	3,107	4,432	1,893
1989	Dry	2,748	2,941	3,077	3,172	1,125	1,207	1,130	815	2,355	4,600	2,444	4,378
1990	Critical	3,222	3,351	3,912	3,080	2,180	1,023	800	915	241	3,017	3,916	1,622
1991	Critical	3,262	2,939	2,921	800	1,931	1,276	1,021	856	1,069	2,201	3,685	2,127
1992	Critical	1,974	3,286	1,916	1,833	1,696	2,393	800	800	1,445	4,600	4,581	1,360
1993	Above Normal	1,925	2,681	3,426	3,138	4,136	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,467	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,546	4,141	3,450	2,992	3,630	4,600	1,635	4,337	4,600	4,600	4,600	4,600
1996	Wet	2,830	2,165	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600
1997	Wet	3,054	4,600	4,600	4,600	4,600	3,563	800	800	3,167	4,334	4,600	4,600
1998	Wet	3,194	2,628	4,600	3,006	4,600	4,600	1,827	2,083	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,042	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,911
2000	Above Normal	2,539	4,600	3,862	2,220	4,600	4,600	827	800	3,287	3,093	4,600	4,600
2001	Dry	2,798	4,600	3,966	3,464	3,050	2,973	1,002	800	1,617	4,600	3,161	3,459
2002	Dry	4,105	3,222	3,914	2,649	2,586	2,604	800	800	1,672	4,600	4,600	3,967
2003	Above Normal	4,197	4,389	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,681

Simulated Exports Through Jones Pumping Plant (Node D418)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,219	4,517	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,166	4,600	4,270	3,522	4,248	3,044	1,016	800	3,053	4,600	3,986	4,600
1924	Critical	4,600	4,079	3,320	3,799	2,175	800	966	854	385	800	1,561	2,776
1925	Dry	3,096	1,216	3,998	3,197	2,382	2,626	1,080	959	2,698	4,362	3,911	3,356
1926	Dry	3,659	4,269	3,399	3,213	1,775	800	1,135	833	2,391	3,890	1,688	3,989
1927	Wet	3,592	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,412	3,621
1928	Above Normal	2,953	4,078	4,600	3,440	2,182	4,288	863	800	2,558	3,891	4,600	4,268
1929	Critical	3,124	2,734	4,600	3,298	3,317	2,423	800	800	683	2,124	4,600	3,151
1930	Dry	3,371	2,736	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,386	2,407	2,970
1931	Critical	3,212	3,299	3,177	3,184	3,623	1,226	800	800	390	600	1,239	2,870
1932	Dry	3,080	2,210	4,600	3,423	4,142	1,037	800	800	713	800	3,134	4,600
1933	Critical	4,217	3,664	4,074	2,664	1,135	1,397	800	800	579	800	4,507	4,068
1934	Critical	3,275	2,115	2,795	572	826	1,025	800	800	451	600	1,240	2,699
1935	Below Normal	2,177	3,233	4,202	3,511	2,922	2,500	850	800	3,016	3,450	1,871	4,477
1936	Below Normal	4,228	3,778	4,249	2,216	2,170	2,239	1,026	800	2,761	4,336	3,159	4,600
1937	Below Normal	4,234	4,204	4,064	3,437	1,152	1,687	989	883	967	3,291	2,511	4,600
1938	Wet	3,492	4,600	4,600	1,714	937	2,630	2,107	2,495	4,600	4,600	4,600	4,490
1939	Dry	3,924	1,321	4,600	3,398	4,320	1,774	800	860	448	4,600	3,268	4,245
1940	Above Normal	3,861	3,791	2,369	2,596	3,327	4,600	1,144	800	2,743	3,961	4,600	3,952
1941	Wet	3,294	2,956	4,248	3,993	4,600	4,600	1,405	1,313	3,916	4,600	4,600	4,600
1942	Wet	3,476	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,751	4,600	3,940	4,600	4,600	4,600	1,224	800	4,054	4,600	4,600	4,600
1944	Dry	3,700	4,600	4,261	3,399	3,692	2,466	873	800	1,868	4,152	2,779	3,252
1945	Below Normal	3,516	4,600	3,965	3,409	3,709	4,600	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,107	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,557	4,600	4,322	4,099	3,534	1,341	1,008	800	1,711	4,600	3,410	4,103
1948	Below Normal	3,634	4,466	3,547	2,022	800	2,530	800	800	2,681	3,812	4,600	4,600
1949	Dry	4,600	4,422	4,272	3,214	3,323	1,941	800	800	1,734	4,600	4,054	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,249	4,256	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,274	1,540	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,563	3,962	4,600	1,426	1,930	4,600	4,600	4,600	4,600
1953	Wet	3,300	4,600	4,600	2,717	3,884	3,708	847	800	1,937	4,600	4,600	4,600
1954	Above Normal	2,581	4,350	4,057	2,058	2,514	3,456	800	800	2,621	2,880	4,600	4,600
1955	Dry	3,341	4,534	4,600	3,565	3,628	2,507	851	800	583	4,600	4,037	4,600
1956	Wet	3,364	4,068	4,600	4,600	4,600	2,291	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,286
1958	Wet	4,600	4,600	3,707	2,531	4,707	4,553	2,214	1,707	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,455	2,168	3,070	3,423	1,078	857	1,664	4,584	4,600	3,524
1960	Dry	3,691	3,508	3,648	3,185	2,240	2,432	800	1,222	1,522	4,069	2,869	4,411
1961	Dry	3,616	4,160	4,600	3,291	2,049	3,302	800	802	352	4,600	3,435	4,600
1962	Below Normal	3,450	3,998	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,223
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,853
1964	Dry	3,351	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,378
1967	Wet	3,888	3,784	3,806	3,725	3,622	4,482	1,843	1,641	4,600	4,600	4,600	4,600
1968	Below Normal	4,030	4,556	4,600	3,384	2,282	3,528	868	968	1,661	4,600	4,600	3,601
1969	Wet	4,070	4,046	4,600	3,920	4,600	1,992	2,435	4,272	4,600	4,600	4,600	4,335
1970	Wet	4,017	800	4,112	4,600	3,090	2,527	800	800	1,844	4,113	4,600	4,121
1971	Wet	3,552	2,591	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352
1972	Below Normal	3,542	2,696	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,904	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	3,774
1974	Wet	3,930	4,600	4,414	4,232	3,930	4,600	959	800	3,430	4,600	4,600	4,600
1975	Wet	4,371	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	4,003	4,600	3,724	4,600	2,947	1,294	800	439	2,623	986	1,721
1977	Critical	2,668	3,691	3,061	2,953	3,512	800	800	800	183	600	4,078	1,573
1978	Above Normal	2,405	1,588	2,920	2,880	4,333	4,440	1,359	1,121	4,496	4,600	4,600	4,600
1979	Below Normal	3,880	4,600	4,413	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,409	3,165	4,600	4,247	4,600	1,826	879	905	4,393	4,600	4,600	3,691
1981	Dry	3,744	3,869	4,600	3,391	3,394	2,472	1,134	898	1,648	4,600	3,908	4,505
1982	Wet	4,561	4,600	3,662	3,848	4,600	4,309	2,735	2,054	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	3,170	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,792	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,482	1,502	1,246	3,819	4,600	4,600	800
1987	Dry	2,982	1,936	4,319	3,296	3,360	2,351	800	800	1,631	4,446	2,767	3,258
1988	Critical	4,541	3,902	3,319	2,335	800	800	1,018	800	351	3,067	4,426	1,902
1989	Dry	2,749	2,941	3,072	3,172	1,124	1,207	1,130	815	2,355	4,600	2,461	4,375
1990	Critical	3,221	3,349	3,911	3,080	2,179	1,023	800	915	241	3,018	3,918	1,623
1991	Critical	3,261	2,941	2,919	800	1,932	1,276	1,021	856	1,069	2,170	3,702	2,125
1992	Critical	1,973	3,288	1,916	1,821	1,696	2,393	800	800	1,445	4,600	4,580	1,356
1993	Above Normal	1,925	2,680	3,424	3,138	4,135	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,454	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,403	3,687
1995	Wet	2,547	4,141	3,450	2,990	3,630	4,600	1,414	2,584	4,600	4,600	4,600	4,600
1996	Wet	2,828	3,713	3,774	2,814	4,600	4,600	1,005	930	3,352	4,600	4,600	4,600
1997	Wet	2,973	4,600	4,600	4,600	4,600	3,602	800	800	3,216	4,211	4,600	4,600
1998	Wet	3,192	2,628	4,600	3,003	4,600	4,600	1,682	1,807	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,041	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,837
2000	Above Normal	2,587	4,600	3,870	2,220	4,600	4,600	827	800	3,287	3,096	4,600	4,600
2001	Dry	2,793	4,600	4,068	3,464	3,050	2,973	1,002	800	1,617	4,600	3,099	3,460
2002	Dry	4,105	3,222	3,914	2,649	2,585	2,604	800	800	1,672	4,600	4,600	3,940
2003	Above Normal	4,197	4,393	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,686

Simulated Exports Through Banks Pumping Plant (Node D419)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,959	5,601	7,186	3,559	3,216	4,510	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,055	3,867	4,270	3,572	4,120	2,868	1,016	700	2,628	7,005	7,180	6,680
1924	Critical	4,494	3,129	2,819	3,039	2,175	300	300	656	300	6,690	300	574
1925	Dry	2,268	2,888	3,996	3,197	2,382	4,289	1,080	959	2,368	7,180	4,672	6,680
1926	Dry	2,996	2,712	2,755	3,213	1,775	300	1,135	866	2,390	6,915	4,312	3,523
1927	Wet	1,492	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,235	3,300	7,103	3,440	2,182	4,288	863	700	2,558	6,567	6,748	6,680
1929	Critical	3,586	2,505	4,682	3,298	3,317	2,874	1,605	1,136	300	300	316	826
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,267	300	450
1932	Dry	993	1,525	7,175	3,423	4,090	4,058	300	700	300	7,005	5,332	2,384
1933	Critical	2,177	1,906	2,174	2,672	4,862	1,634	753	700	300	2,025	505	882
1934	Critical	1,045	1,167	4,041	5,971	4,237	1,531	300	773	300	677	323	514
1935	Below Normal	1,450	3,225	3,776	3,511	2,838	2,500	850	700	2,311	7,005	7,180	6,680
1936	Below Normal	3,838	2,803	3,070	2,216	8,437	7,201	1,026	700	2,761	7,005	7,180	6,459
1937	Below Normal	4,600	2,742	6,488	5,008	8,500	6,244	1,129	1,218	4,366	7,005	5,994	3,132
1938	Wet	4,968	6,680	6,090	7,618	6,858	6,581	2,380	6,177	6,680	7,005	7,180	4,619
1939	Dry	3,905	1,309	6,112	3,398	2,732	1,774	512	921	300	6,829	5,538	6,830
1940	Above Normal	2,018	1,039	3,390	2,590	3,327	5,688	1,144	700	2,743	6,612	6,680	6,680
1941	Wet	3,288	2,113	4,248	3,993	8,500	7,561	1,405	1,410	3,950	7,005	7,180	6,201
1942	Wet	3,462	1,625	4,209	4,978	5,168	4,938	1,188	1,157	3,865	7,005	7,180	5,712
1943	Wet	3,752	2,359	3,940	5,895	6,045	7,561	1,248	812	2,761	6,797	7,180	6,448
1944	Dry	3,666	1,151	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,561	2,612
1945	Below Normal	2,064	6,680	3,965	3,409	4,109	6,583	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,620	6,680	5,642	4,135	2,986	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,193	4,877	4,325	2,839	3,534	1,341	1,008	700	1,711	6,929	5,855	6,680
1948	Below Normal	4,234	3,527	2,269	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,613	2,682	4,273	3,214	3,324	1,941	700	700	1,734	6,915	5,839	6,680
1950	Below Normal	1,652	1,914	2,198	2,232	2,589	3,445	700	700	2,101	7,005	7,180	6,680
1951	Above Normal	5,711	6,680	7,678	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,809	3,933	4,598	3,951	7,561	1,576	2,291	5,777	6,680	7,180	5,792
1953	Wet	3,341	1,950	7,104	3,168	3,884	3,708	847	728	1,938	7,005	7,180	6,680
1954	Above Normal	2,579	796	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,332	3,826	7,027	3,565	3,018	2,402	851	700	300	6,929	3,609	5,309
1956	Wet	1,947	3,880	5,996	8,500	6,716	6,484	852	930	4,244	7,005	7,180	5,673
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,395	1,989	5,277	7,005	7,180	6,680
1959	Below Normal	3,768	2,611	7,078	2,168	3,070	3,843	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	4,011	2,760	2,348	3,185	2,240	2,432	300	1,222	1,522	6,915	5,965	6,922
1961	Dry	1,436	4,164	6,989	3,291	2,049	3,302	758	802	85	7,077	3,426	2,914
1962	Below Normal	853	2,679	2,928	2,483	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,053	3,400	2,737	2,177	700	700	300	6,915	4,220	6,698
1965	Wet	2,927	3,011	3,905	5,512	4,366	4,221	1,064	700	2,832	7,005	7,180	6,561
1966	Below Normal	3,269	5,350	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,379	3,784	3,806	3,725	3,622	4,483	2,000	1,930	6,680	6,970	7,180	6,680
1968	Below Normal	4,090	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,778	4,016	7,046	4,435	3,771	3,852	2,711	4,346	6,680	6,680	6,680	4,468
1970	Wet	4,021	300	4,112	8,500	6,676	6,650	700	700	1,844	7,115	7,030	4,115
1971	Wet	3,557	5,487	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	347	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,022
1974	Wet	5,411	6,680	4,414	4,425	3,930	6,017	962	700	3,432	7,005	7,180	6,135
1975	Wet	4,374	2,738	7,133	3,388	3,229	5,625	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,031	1,701	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,492	6,953
1977	Critical	3,226	1,460	1,174	1,772	697	300	300	557	262	552	300	1,371
1978	Above Normal	300	1,690	2,921	2,880	4,706	4,954	1,688	1,456	5,346	7,005	7,180	6,680
1979	Below Normal	3,885	2,853	7,110	3,922	5,343	4,855	864	1,116	1,955	7,005	7,180	5,118
1980	Above Normal	4,612	3,011	7,071	6,095	4,813	4,271	879	905	4,450	7,005	7,180	646
1981	Dry	3,759	1,512	7,054	3,391	3,394	2,923	1,134	898	1,648	6,929	5,910	6,930
1982	Wet	3,161	6,680	3,662	3,848	7,955	7,232	6,125	2,420	5,213	7,005	7,180	6,680
1983	Wet	6,680	6,680	6,741	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,787	6,533	837	700	2,030	6,680	6,934	5,818
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	8,439	6,600	1,526	1,435	4,453	7,115	5,533	6,680
1987	Dry	3,596	300	7,077	3,296	3,360	2,351	549	1,794	1,631	5,012	1,053	2,302
1988	Critical	461	849	3,319	2,335	456	1,651	1,018	972	300	5,022	300	1,262
1989	Dry	300	2,941	3,077	3,172	1,113	1,207	1,130	815	2,355	6,915	6,408	7,160
1990	Critical	3,318	2,305	3,243	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	375	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	615
1992	Critical	714	526	1,386	1,346	1,696	2,393	700	700	1,445	1,599	300	2,133
1993	Above Normal	1,925	494	3,426	3,138	4,136	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,082	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,820	3,448
1995	Wet	928	1,953	3,450	2,992	3,630	7,561	1,635	6,177	6,680	6,680	7,180	6,680
1996	Wet	2,830	2,614	3,774	2,814	7,842	6,904	1,005	934	3,353	7,005	7,180	6,680
1997	Wet	2,988	1,883	7,678	8,500	8,500	7,230	700	759	2,872	6,031	7,030	6,680
1998	Wet	3,194	2,033	7,048	3,006	8,500	7,561	1,827	2,083	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,042	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,911
2000	Above Normal	2,539	530	6,989	2,220	5,162	5,699	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,798	1,228	7,073	3,464	3,050	2,973	1,002	733	1,617	6,664	779	3,371
2002	Dry	300	3,222	3,914	2,649	3,868	2,604	740	700	1,672	6,929	2,833	6,740
2003	Above Normal	300	1,720	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Exports Through Banks Pumping Plant (Node D419)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,959	5,601	7,186	3,559	3,219	4,517	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,166	4,395	4,270	3,522	4,281	2,872	1,016	700	2,788	7,005	7,180	6,680
1924	Critical	5,759	3,148	4,998	2,600	2,175	302	300	656	300	2,210	323	574
1925	Dry	2,272	2,893	3,998	3,197	2,382	4,287	1,080	959	2,704	7,180	4,433	6,680
1926	Dry	2,511	2,235	2,755	3,213	1,775	300	1,135	833	2,391	6,915	5,623	3,400
1927	Wet	1,500	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,233	3,273	7,103	3,440	2,182	4,288	863	700	2,558	6,552	6,748	6,680
1929	Critical	3,571	2,502	4,681	3,298	3,317	2,838	1,605	1,136	300	300	852	819
1930	Dry	1,135	927	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,776	6,680
1931	Critical	2,018	1,707	1,394	3,184	2,032	857	300	300	300	4,024	300	450
1932	Dry	994	1,500	7,175	3,423	4,111	4,059	300	700	300	7,005	7,180	3,458
1933	Critical	1,118	1,150	2,174	3,902	5,467	1,634	753	700	300	1,550	507	865
1934	Critical	1,124	1,028	3,997	5,986	4,256	1,518	300	773	300	665	325	518
1935	Below Normal	2,067	3,233	3,774	3,511	2,838	2,500	850	700	2,312	7,005	7,180	6,680
1936	Below Normal	4,118	3,079	3,070	2,216	8,411	7,098	1,026	700	2,761	7,005	7,180	6,680
1937	Below Normal	4,774	2,738	6,487	3,835	8,500	6,330	989	883	4,850	7,005	5,838	3,132
1938	Wet	4,968	6,680	5,027	6,612	7,344	6,689	2,107	2,495	6,680	7,005	7,180	5,533
1939	Dry	3,924	1,848	5,775	3,398	2,733	1,774	524	860	300	6,829	5,437	6,830
1940	Above Normal	1,663	1,029	3,345	2,596	3,327	5,688	1,144	700	2,743	6,611	6,680	6,680
1941	Wet	3,294	2,172	4,248	3,993	8,357	7,561	1,405	1,313	3,916	7,005	7,180	6,201
1942	Wet	3,476	1,659	4,209	4,666	5,069	4,938	1,188	1,157	3,865	7,005	7,180	6,190
1943	Wet	3,751	2,343	3,940	4,805	5,984	7,561	1,224	789	2,413	6,798	7,180	6,407
1944	Dry	3,700	1,655	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,655	2,617
1945	Below Normal	2,064	6,680	3,965	3,409	3,709	6,237	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,650	6,680	5,641	4,135	3,150	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,119	4,878	4,322	2,839	3,534	1,341	1,008	700	1,711	6,929	5,873	6,680
1948	Below Normal	4,239	3,527	2,267	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,612	2,686	4,272	3,214	3,323	1,941	700	700	1,734	6,915	5,838	6,680
1950	Below Normal	1,602	1,914	2,198	2,232	2,589	3,445	700	700	2,099	7,005	7,180	6,680
1951	Above Normal	5,709	6,680	7,649	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,809	3,933	4,563	3,962	7,561	1,426	1,930	5,008	6,680	7,180	6,340
1953	Wet	3,300	3,264	7,104	2,717	3,884	3,708	847	727	1,937	7,005	7,180	6,680
1954	Above Normal	2,581	750	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,341	3,846	7,027	3,565	3,017	2,402	851	700	300	6,929	3,609	5,133
1956	Wet	1,951	3,879	5,138	8,500	6,813	6,484	852	930	4,244	7,005	7,180	5,702
1957	Above Normal	3,646	2,229	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,543	3,707	2,531	4,097	7,561	2,214	1,707	5,046	7,005	7,180	6,680
1959	Below Normal	3,768	2,702	7,078	2,168	3,070	3,708	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	3,987	2,698	2,326	3,185	2,240	2,432	300	1,222	1,522	6,915	6,008	6,922
1961	Dry	1,519	4,160	6,989	3,291	2,049	3,302	758	802	85	7,077	3,425	2,913
1962	Below Normal	853	2,680	2,928	2,484	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,040	3,400	2,737	2,177	700	700	300	6,915	4,227	6,698
1965	Wet	2,938	3,011	3,905	5,448	4,366	4,221	1,064	700	2,832	7,005	7,180	6,563
1966	Below Normal	3,269	5,172	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,382	3,784	3,806	3,725	3,622	4,482	1,843	1,641	6,274	6,970	7,180	6,680
1968	Below Normal	4,030	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,457	4,046	7,046	3,920	5,057	4,065	2,435	4,577	6,680	6,680	6,680	4,450
1970	Wet	4,017	300	4,112	8,500	6,871	6,647	700	700	1,844	7,115	7,030	4,121
1971	Wet	3,552	5,498	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	345	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	802	700	2,844	6,781	6,906	5,022
1974	Wet	5,387	6,680	4,414	4,232	3,930	5,061	959	700	3,430	7,005	7,180	6,680
1975	Wet	4,371	2,601	7,133	3,388	3,229	5,588	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,063	1,713	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,456	6,953
1977	Critical	3,210	1,461	1,177	1,764	697	300	300	559	264	552	300	1,372
1978	Above Normal	300	1,687	2,920	2,880	4,333	4,440	1,359	1,121	4,143	7,005	7,180	6,680
1979	Below Normal	3,880	3,598	7,110	3,922	5,295	4,769	864	1,116	1,955	7,005	7,180	5,990
1980	Above Normal	5,408	3,165	7,071	4,247	6,009	4,486	879	905	4,393	7,005	6,374	3,137
1981	Dry	3,697	382	7,054	3,391	3,394	2,472	1,134	898	1,648	6,929	5,868	6,930
1982	Wet	3,319	6,680	3,662	3,848	7,893	7,409	6,125	2,054	4,699	7,005	7,180	6,680
1983	Wet	6,680	6,680	7,678	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,785	6,533	837	700	2,030	6,680	6,934	5,819
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	6,390	7,561	1,502	1,246	4,366	7,115	6,691	5,556
1987	Dry	3,600	398	7,077	3,296	3,360	2,351	551	1,794	1,631	4,840	1,054	2,303
1988	Critical	460	848	3,319	2,335	457	1,653	1,018	972	300	5,026	300	1,262
1989	Dry	300	2,941	3,072	3,172	1,112	1,207	1,130	815	2,355	6,915	6,313	7,160
1990	Critical	3,339	2,303	3,279	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	374	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	613
1992	Critical	710	523	1,386	1,336	1,696	2,393	700	700	1,445	1,591	300	2,132
1993	Above Normal	1,925	492	3,424	3,138	4,135	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,073	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,822	3,447
1995	Wet	927	1,954	3,450	2,990	3,630	7,561	1,414	2,584	5,728	6,680	7,180	6,680
1996	Wet	2,828	2,491	3,774	2,814	7,838	6,533	1,005	930	3,352	7,005	7,180	6,680
1997	Wet	2,913	1,815	7,678	8,500	8,500	7,191	700	700	2,768	6,057	7,030	6,680
1998	Wet	3,192	2,034	7,048	3,003	8,500	7,561	1,682	1,807	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,041	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,837
2000	Above Normal	2,587	476	6,989	2,220	5,102	5,654	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,793	1,225	6,858	3,464	3,050	2,973	1,002	733	1,617	6,853	773	3,372
2002	Dry	300	3,222	3,914	2,649	3,867	2,604	740	700	1,672	6,929	2,757	6,895
2003	Above Normal	300	1,710	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Delta Outflow (Node C406)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,582	38,547	27,287	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,449	28,507	15,652	9,731	28,544	18,759	7,395	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,861	12,829	9,729	6,838	4,554	4,000	4,057	4,265	3,000
1925	Dry	3,000	4,746	6,968	8,197	71,022	12,819	29,103	17,529	6,052	5,000	3,908	3,763
1926	Dry	4,000	4,500	4,500	13,736	45,784	12,516	26,064	10,317	5,313	5,000	3,771	3,000
1927	Wet	4,000	13,471	14,309	32,183	123,586	41,799	52,715	27,489	13,238	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,846	22,620	83,504	27,647	10,514	8,357	10,796	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,767	18,724	16,275	30,158	12,393	9,335	7,031	5,000	3,968	3,539
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,859	13,675	17,089	14,946	10,448	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,220	7,772	13,453	9,558	8,078	7,243	4,000	3,028	3,000
1934	Critical	3,237	4,257	9,674	14,258	14,096	10,625	9,673	7,031	7,100	4,000	3,595	3,000
1935	Below Normal	3,000	6,205	3,680	28,620	10,144	27,101	53,978	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,130	80,304	32,439	27,832	17,506	9,319	6,500	4,000	4,026
1937	Below Normal	4,000	4,500	5,300	10,571	46,723	49,321	27,840	20,023	10,540	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,701	27,585	146,268	168,808	78,004	68,333	38,112	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,679	6,871	8,329	10,184	9,673	9,107	5,750	5,000	4,072	4,128
1940	Above Normal	4,000	4,500	4,500	34,080	64,932	108,798	71,910	18,365	6,166	10,339	4,000	11,563
1941	Wet	5,938	10,625	37,481	97,479	117,345	89,197	77,818	48,377	13,338	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,432	136,485	23,690	54,800	40,451	22,690	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,410	79,608	54,829	86,051	33,920	19,695	7,679	10,339	4,000	19,531
1944	Dry	7,500	12,514	5,090	11,278	23,061	18,762	12,498	10,389	6,508	5,000	3,783	3,036
1945	Below Normal	4,000	6,001	10,828	9,268	52,936	22,234	17,088	15,811	7,282	6,500	4,000	3,868
1946	Below Normal	4,284	5,028	67,028	46,193	15,036	18,055	18,055	16,160	6,692	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,450	7,464	14,019	20,031	13,169	8,135	7,100	5,000	4,311	3,695
1948	Below Normal	4,000	4,500	4,508	12,625	11,145	13,395	26,934	30,180	14,799	6,500	4,000	4,047
1949	Dry	4,000	4,500	6,235	7,620	7,982	46,552	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,862	35,749	16,395	22,187	15,303	7,636	6,643	4,000	4,212
1951	Above Normal	4,423	44,786	100,165	67,172	69,478	29,251	18,776	19,060	5,813	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,696	82,178	74,675	62,784	75,164	75,194	37,257	11,708	6,560	18,906
1953	Wet	9,375	13,340	28,655	99,143	20,989	16,041	19,421	26,445	20,631	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,848	23,333	52,065	43,369	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,837	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,906	3,531
1956	Wet	4,000	4,500	91,250	163,624	82,041	37,916	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,920	44,636	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	117,613	103,525	55,788	30,546	8,000	6,031	18,125
1959	Below Normal	9,219	13,595	5,072	21,540	48,739	12,078	10,577	9,621	7,100	8,308	4,000	4,606
1960	Dry	4,000	4,500	4,500	8,897	28,519	17,241	12,125	9,388	6,422	5,099	4,211	3,926
1961	Dry	4,000	5,699	8,487	8,976	33,039	13,935	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,448	6,000	57,823	21,151	15,972	14,331	6,167	7,346	4,000	3,798
1963	Wet	29,357	5,771	23,187	16,740	74,782	23,450	97,294	30,772	8,479	10,645	4,000	20,078
1964	Dry	7,813	15,625	4,655	20,288	9,684	7,912	10,189	10,218	7,856	5,000	3,901	4,278
1965	Wet	4,000	11,219	78,769	113,428	32,999	17,253	50,528	20,619	9,868	8,627	4,000	20,000
1966	Below Normal	7,813	15,469	6,711	24,645	20,514	18,743	13,495	10,198	6,422	8,292	4,000	4,279
1967	Wet	4,000	9,620	35,377	49,973	50,705	55,955	57,456	57,721	41,627	14,314	4,931	19,531
1968	Below Normal	8,125	13,813	5,218	21,833	58,583	30,016	11,290	10,961	6,258	8,649	4,000	3,722
1969	Wet	4,000	5,845	15,103	118,572	135,706	66,477	60,224	64,655	34,667	8,000	4,000	22,188
1970	Wet	7,031	14,607	52,271	207,212	75,482	37,004	13,563	13,225	7,610	10,840	4,000	18,594
1971	Wet	8,438	15,313	49,791	47,951	19,098	41,070	26,094	29,829	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,347	4,000	11,875
1974	Wet	6,094	51,156	63,984	131,775	38,719	107,386	69,175	24,178	15,301	8,000	5,589	18,594
1975	Wet	8,438	14,544	5,568	10,130	57,405	82,799	26,916	31,984	20,652	8,000	4,182	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,237	3,477	3,008	3,008
1977	Critical	5,618	3,500	4,433	6,427	7,714	7,239	7,100	4,000	4,000	4,000	3,312	3,000
1978	Above Normal	3,628	3,941	10,777	67,598	50,897	69,286	47,894	25,804	14,740	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,029	20,962	33,570	27,212	18,827	20,299	7,817	6,500	4,000	3,221
1980	Above Normal	4,000	12,141	10,723	106,942	132,004	61,857	21,767	19,088	12,378	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,215	19,051	22,375	24,102	14,012	9,083	7,100	5,000	4,048	4,459
1982	Wet	4,000	27,889	85,349	75,861	99,591	83,030	140,148	47,504	20,816	8,000	4,518	18,750
1983	Wet	15,097	41,206	83,302	109,093	177,813	259,856	89,969	80,191	71,445	33,993	16,957	24,769
1984	Wet	13,604	81,647	156,943	63,546	36,629	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	212,647	144,060	26,875	20,732	11,012	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,051	9,480	15,543	22,759	8,904	7,727	7,100	5,000	3,771	3,000
1988	Critical	4,000	4,500	12,444	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,579	4,648	4,695	7,511	8,636	48,435	19,688	11,116	5,781	5,000	4,232	4,929
1990	Critical	4,000	4,500	4,500	14,125	11,400	11,358	10,062	6,753	4,000	4,000	3,914	3,000
1991	Critical	3,336	4,031	3,500	9,616	7,407	33,304	10,482	5,114	4,000	4,275	3,394	3,000
1992	Critical	4,358	3,500	3,695	8,553	32,764	16,472	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,954	3,935	7,801	63,669	55,657	39,291	40,052	27,708	23,456	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,611	19,108	8,421	11,274	8,544	4,153	4,000	4,264	3,000
1995	Wet	4,454	3,500	9,781	113,084	51,076	210,596	67,878	83,985	41,904	22,187	9,297	13,750
1996	Wet	11,875	12,555	18,160	47,468	123,503	68,278	46,005	48,657	11,021	8,000	4,000	21,250
1997	Wet	7,813	15,625	78,366	278,487	72,312	21,727	19,106	14,431	6,858	11,454	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,984	221,879	81,743	62,932	59,459	73,844	28,384	12,379	19,494
1999	Wet	8,839	20,119	30,415	39,856	93,073	30,201	21,749	11,220	21,749	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,572	21,813	111,009	63,064	22,048	18,923	6,284	10,438	4,000	11,719
2001	Dry	5,781	10,469	4,775	13,264	23,780	22,927	12,660	8,216	7,100	5,000	4,046	3,000
2002	Dry	4,000	5,758	27,611	48,492	14,232	17,039	16,513	12,956	4,816	5,000	4,555	3,728
2003	Above Normal	4,000	4,500	38,330	61,320	20,609	17,826	28,890	43,216	7,785	8,516	4,000	11

Simulated Delta Outflow (Node C406)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,584	38,543	27,293	28,926	56,314	37,312	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,192	28,435	15,652	9,747	28,497	18,261	7,078	6,500	4,000	4,548
1924	Critical	4,300	4,500	4,500	7,852	12,804	9,729	6,844	4,556	4,000	4,000	3,977	3,000
1925	Dry	3,000	4,751	6,971	8,198	71,007	12,818	29,101	17,527	6,061	5,000	3,871	3,722
1926	Dry	4,000	4,500	4,500	13,743	45,936	12,516	26,051	10,317	5,313	5,005	3,792	3,000
1927	Wet	4,000	13,383	14,191	32,114	125,305	41,780	52,731	27,499	13,244	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,809	20,849	22,622	83,513	27,645	10,515	8,356	10,778	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,472	12,137	9,013	7,691	7,100	7,243	4,000	3,000	3,000
1930	Dry	3,000	4,210	12,779	18,733	16,281	30,131	12,393	9,335	7,031	5,000	3,969	3,541
1931	Critical	4,000	4,500	4,500	9,831	8,117	7,503	7,817	5,389	4,000	4,000	3,833	3,000
1932	Dry	3,000	3,863	13,679	17,091	15,016	10,444	12,056	13,693	10,444	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,221	7,772	13,452	9,558	7,829	7,243	4,000	3,030	3,000
1934	Critical	3,101	4,553	9,407	14,209	14,106	10,625	9,673	7,031	7,100	4,000	3,603	3,000
1935	Below Normal	3,000	6,216	3,678	28,618	10,142	27,097	53,980	21,311	7,911	6,500	4,000	3,892
1936	Below Normal	4,000	4,500	4,500	40,142	78,317	32,446	27,831	17,505	9,319	6,500	4,000	4,145
1937	Below Normal	4,000	4,500	5,263	10,572	45,310	47,861	27,002	18,017	11,185	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,894	27,469	142,573	165,150	76,364	70,847	37,763	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,500	6,906	8,329	10,204	9,673	9,105	5,750	5,000	3,995	4,067
1940	Above Normal	4,000	4,500	4,500	34,108	64,621	108,695	71,907	18,365	6,166	10,337	4,000	11,563
1941	Wet	5,938	10,625	36,991	97,325	115,599	89,223	77,818	47,798	13,255	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,140	136,393	23,691	54,802	40,456	22,694	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,416	78,139	54,777	84,093	33,783	19,595	7,673	10,177	4,000	19,688
1944	Dry	7,344	12,514	5,086	11,309	23,084	18,781	12,498	10,390	6,508	6,500	3,778	3,035
1945	Below Normal	4,000	5,989	10,812	9,254	52,190	22,234	16,590	15,313	6,810	5,000	4,000	3,868
1946	Below Normal	4,130	5,440	68,873	46,181	15,036	17,373	18,058	16,159	6,869	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,455	7,464	14,019	20,041	13,168	8,136	7,100	5,000	4,307	3,682
1948	Below Normal	4,000	4,500	4,511	12,625	11,145	13,395	26,934	30,175	14,798	6,500	4,000	4,044
1949	Dry	4,000	4,500	6,235	7,619	7,982	46,558	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,900	35,748	16,395	22,187	15,303	7,636	6,642	4,000	4,212
1951	Above Normal	4,422	44,786	97,267	66,272	69,140	29,250	18,776	19,060	5,814	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,695	82,114	74,694	62,336	74,262	73,043	36,349	11,729	6,571	18,750
1953	Wet	9,531	13,340	27,240	99,673	20,995	16,044	19,422	26,482	20,632	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,849	23,440	52,092	43,367	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,835	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,905	3,437
1956	Wet	4,000	4,500	90,070	160,031	81,598	37,463	23,022	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,173	14,920	44,607	14,316	20,937	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,116	150,856	116,504	102,439	54,096	30,267	8,000	6,029	18,125
1959	Below Normal	9,219	13,595	5,071	21,467	48,716	12,077	10,578	9,622	7,100	8,321	4,000	4,596
1960	Dry	4,000	4,500	4,500	8,896	28,518	17,243	12,125	9,388	6,422	5,099	4,223	3,928
1961	Dry	4,000	5,706	8,481	8,974	33,035	13,934	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,449	6,000	57,824	21,152	15,972	14,331	6,167	7,346	4,000	3,799
1963	Wet	29,358	5,771	23,187	16,739	74,775	23,450	97,294	30,772	8,479	10,646	4,000	20,078
1964	Dry	7,813	15,625	4,648	20,292	9,684	7,912	10,189	10,218	7,857	5,000	3,903	4,278
1965	Wet	4,000	11,219	78,770	113,367	32,999	17,254	50,533	20,619	9,867	8,629	4,000	20,000
1966	Below Normal	7,813	15,469	6,715	24,643	20,512	18,932	13,531	10,198	6,422	8,305	4,000	4,248
1967	Wet	4,000	9,617	35,404	49,972	50,705	55,955	56,516	55,985	40,398	12,483	4,932	19,688
1968	Below Normal	8,125	13,813	5,218	21,665	56,322	30,055	11,290	10,961	6,219	8,688	4,000	3,722
1969	Wet	4,000	5,770	15,084	117,959	132,377	63,346	58,567	61,319	32,366	8,000	4,000	21,875
1970	Wet	7,188	14,607	52,077	207,202	75,551	36,938	13,563	13,225	7,619	10,831	4,000	18,594
1971	Wet	8,438	15,313	49,786	47,950	19,097	41,052	26,093	29,828	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,774	80,290	88,155	54,599	19,666	19,045	9,383	8,646	4,000	11,875
1974	Wet	6,094	50,767	63,983	131,410	38,717	107,385	69,161	24,175	15,302	8,000	5,591	18,594
1975	Wet	8,438	14,544	5,571	10,128	56,873	82,870	26,914	31,983	20,651	8,000	4,180	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,401	4,249	3,461	3,009
1977	Critical	5,623	3,500	4,426	6,447	7,714	7,239	7,100	4,000	4,000	4,000	3,308	3,000
1978	Above Normal	3,632	3,919	10,780	67,599	50,301	68,674	45,921	23,798	13,165	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,039	20,988	33,244	27,098	18,853	20,303	7,817	6,500	4,000	3,692
1980	Above Normal	4,284	11,302	10,746	104,340	126,643	60,511	21,769	19,089	12,177	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,218	18,745	21,294	24,998	13,976	9,077	7,100	5,000	4,038	4,408
1982	Wet	4,000	28,672	85,206	75,856	99,534	82,144	136,374	45,307	20,197	8,000	4,519	18,750
1983	Wet	15,097	40,105	81,291	106,942	177,615	259,730	89,801	80,019	70,897	33,970	16,957	24,769
1984	Wet	13,604	81,525	156,918	63,520	36,609	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,468	22,424	210,732	139,367	26,731	19,601	10,689	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,048	9,495	15,552	22,761	8,904	7,727	7,100	5,000	3,775	3,000
1988	Critical	4,000	4,500	12,444	26,041	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,578	4,644	4,701	7,509	8,636	48,438	19,688	11,116	5,781	5,000	4,208	4,928
1990	Critical	4,000	4,500	4,500	14,124	11,400	11,358	10,063	6,753	4,000	4,000	3,913	3,000
1991	Critical	3,337	4,029	3,500	9,618	7,407	33,302	10,480	5,113	4,000	4,266	3,396	3,000
1992	Critical	4,362	3,500	3,689	8,573	32,761	16,470	9,711	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,953	3,938	7,798	63,665	55,651	39,334	40,051	27,708	23,458	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,609	19,106	8,420	11,274	8,544	4,153	4,000	4,265	3,000
1995	Wet	4,453	3,500	9,782	113,072	51,075	208,680	66,554	87,217	39,908	21,574	9,297	13,750
1996	Wet	11,875	12,555	17,679	47,378	122,698	67,988	46,004	48,635	11,024	8,000	4,000	21,250
1997	Wet	7,813	15,625	75,976	272,972	71,057	21,726	19,106	14,225	6,756	11,551	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,972	219,227	80,669	62,061	57,811	70,713	27,441	12,394	19,507
1999	Wet	8,908	20,135	30,421	39,855	93,071	59,785	30,200	21,748	11,219	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,577	21,750	111,105	63,020	22,045	18,923	6,283	10,434	4,000	11,719
2001	Dry	5,781	10,469	4,714	13,268	23,784	22,928	12,660	8,217	7,100	5,000	4,068	3,000
2002	Dry	4,000	5,758	27,611	48,501	14,232	17,038	16,513	12,956	4,816	5,000	4,527	3,796
2003	Above Normal	4,000	4,500	38,212	61,321	20,608	17,825	28,889	43,215	7,785	8,516	4,000	11

Change in Simulated Delta Outflow (Node C406)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	1	-4	5	-8	-13	-24	0	0	0
1923	Below Normal	0	0	-257	-71	0	16	-48	-497	-317	0	0	0
1924	Critical	300	0	0	-9	-25	0	6	2	0	-57	-289	0
1925	Dry	0	5	3	1	-15	-1	-2	-1	9	0	-37	-40
1926	Dry	0	0	0	7	151	0	-13	0	0	5	21	0
1927	Wet	0	-88	-118	-69	1,719	-19	15	9	6	0	0	0
1928	Above Normal	0	0	1	2	2	9	-2	1	-1	-18	0	0
1929	Critical	0	0	0	3	2	0	0	0	0	0	-156	0
1930	Dry	0	83	12	9	7	-27	1	0	0	0	1	2
1931	Critical	0	0	0	2	0	-4	0	0	0	0	-17	0
1932	Dry	0	4	3	2	69	-4	0	0	2	0	0	0
1933	Critical	0	0	0	1	0	-1	0	-249	0	0	2	0
1934	Critical	-136	296	-268	-48	9	0	0	0	0	0	8	0
1935	Below Normal	0	11	-2	-2	-2	-4	2	0	0	0	0	-1
1936	Below Normal	0	0	0	12	-1,988	7	-1	0	0	0	0	119
1937	Below Normal	0	0	-36	1	-1,413	-1,460	-838	-2,007	646	0	0	0
1938	Wet	0	0	194	-116	-3,695	-3,658	-1,640	2,514	-349	0	0	0
1939	Dry	0	0	-179	34	0	20	0	-2	1	0	-77	-61
1940	Above Normal	0	0	0	28	-311	-103	-2	0	0	-2	0	0
1941	Wet	0	0	-490	-155	-1,746	27	0	-579	-84	0	0	0
1942	Wet	0	0	0	-291	-92	1	2	4	4	0	0	0
1943	Wet	0	0	6	-1,469	-52	-1,958	-138	-100	-7	-161	0	156
1944	Dry	-156	0	-4	31	23	19	1	0	0	0	-4	0
1945	Below Normal	0	-13	-15	-14	-745	0	-498	-498	-472	0	0	0
1946	Below Normal	-154	412	1,845	-13	0	-682	3	-1	177	0	0	0
1947	Dry	0	0	6	0	0	10	-2	1	0	0	-4	-13
1948	Below Normal	0	0	3	0	0	1	0	-5	0	0	0	-4
1949	Dry	0	0	1	-1	0	6	0	0	0	0	0	0
1950	Below Normal	0	0	0	38	0	0	0	0	0	-1	0	0
1951	Above Normal	-1	0	-2,898	-901	-337	0	0	0	1	-1	0	0
1952	Wet	0	0	-1	-65	19	-448	-902	-2,151	-908	21	11	-156
1953	Wet	156	0	-1,415	530	6	3	1	37	0	0	0	0
1954	Above Normal	0	0	1	108	27	-2	0	0	0	-1	0	0
1955	Dry	0	0	-2	-1	0	0	0	0	0	0	-1	-95
1956	Wet	0	0	-1,179	-3,593	-442	-453	-1	-1	0	0	0	0
1957	Above Normal	0	0	0	0	0	-29	0	-1	0	0	0	0
1958	Wet	0	0	0	0	0	-1,109	-1,086	-1,692	-278	0	-1	0
1959	Below Normal	0	0	-1	-72	-23	-1	1	1	0	14	0	-10
1960	Dry	0	0	0	-1	-1	2	0	0	0	0	11	1
1961	Dry	0	7	-6	-3	-3	-1	0	0	0	0	0	0
1962	Below Normal	0	0	1	0	1	0	0	0	0	0	0	0
1963	Wet	1	0	0	-1	-7	0	0	0	0	1	0	0
1964	Dry	0	0	-7	4	0	0	0	0	0	0	2	0
1965	Wet	0	0	1	-61	0	1	5	0	-1	2	0	0
1966	Below Normal	0	0	4	-2	-1	189	36	0	0	13	0	-31
1967	Wet	0	-3	27	-1	0	-1	-940	-1,736	-1,229	0	0	156
1968	Below Normal	0	0	0	-168	-2,262	39	0	0	-39	39	0	0
1969	Wet	0	-75	-19	-613	-3,330	-3,131	-1,656	-3,336	-2,300	0	0	-313
1970	Wet	156	0	-194	-10	70	-66	0	0	9	-8	0	0
1971	Wet	0	0	-6	-1	-1	-18	-1	-1	0	0	0	0
1972	Below Normal	0	0	-1	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	-1	-1	-1	0	0	0	0	-1	0	0
1974	Wet	0	-389	0	-365	-2	-1	-14	-4	1	0	1	0
1975	Wet	0	0	3	-2	-532	72	-2	-1	-1	0	-2	0
1976	Critical	0	0	0	0	0	0	0	0	0	12	-16	1
1977	Critical	5	0	-7	20	0	0	0	0	0	0	-4	0
1978	Above Normal	4	-22	3	1	-595	-612	-1,973	-2,007	-1,576	0	0	0
1979	Below Normal	0	0	10	26	-326	-114	26	4	0	0	0	470
1980	Above Normal	284	-839	23	-2,602	-5,361	-1,346	2	1	-201	0	0	0
1981	Dry	0	0	3	-306	-1,081	896	-36	-6	0	0	-10	-51
1982	Wet	0	782	-144	-5	-57	-885	-3,774	-2,197	-619	0	1	0
1983	Wet	0	-1,101	-2,011	-2,151	-197	-127	-168	-172	-548	-23	0	0
1984	Wet	0	-122	-25	-26	-21	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-1,915	-4,693	-144	-1,131	-322	0	0	0
1987	Dry	0	0	-3	15	9	2	0	0	0	0	5	0
1988	Critical	0	0	0	1	0	0	0	0	0	0	0	0
1989	Dry	-1	-4	6	-2	0	3	0	0	0	0	-24	-1
1990	Critical	0	0	0	-1	0	-1	0	0	0	0	-1	0
1991	Critical	1	-2	0	3	0	-2	-2	-1	0	-9	1	0
1992	Critical	5	0	-6	20	-2	-2	-1	0	0	0	0	0
1993	Above Normal	-1	3	-4	-4	-6	43	-1	0	2	0	0	0
1994	Critical	0	0	0	-2	-2	-1	0	0	0	0	1	0
1995	Wet	-1	0	0	-12	-1	-1,916	-1,324	3,232	-1,996	-612	0	0
1996	Wet	0	0	-480	-90	-805	-290	-22	-22	3	0	0	0
1997	Wet	0	0	-2,390	-5,515	-1,255	-1	0	-205	-103	97	0	0
1998	Wet	0	0	0	-12	-2,652	-1,073	-871	-1,648	-3,131	-942	15	13
1999	Wet	68	16	6	-1	-2	24	-1	-1	-1	0	0	0
2000	Above Normal	0	0	4	-63	97	-44	-3	0	-1	-5	0	0
2001	Dry	0	0	-61	3	4	1	0	0	0	0	22	0
2002	Dry	0	0	0	9	0	-1	0	0	0	0	-28	69
2003	Above Normal	0	0	-117	1	-1	-1	-1	-1	0	0	0	0

Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	215	233	306	389	439	348	217	247	524	503	342	292
1923	Above Normal	303	333	427	439	439	439	437	506	458	364	237	214
1924	Critical	248	294	321	348	344	344	380	376	276	182	145	165
1925	Below Normal	150	149	179	212	270	248	308	378	369	289	193	183
1926	Dry	208	227	261	292	323	322	428	523	452	287	173	176
1927	Above Normal	178	217	279	334	439	454	461	470	489	402	255	213
1928	Below Normal	233	309	362	408	417	466	488	523	442	276	181	179
1929	Critical	161	154	175	198	192	167	195	274	250	183	148	179
1930	Critical	154	136	152	179	192	174	251	255	263	181	146	179
1931	Critical	171	180	199	223	239	203	250	264	205	148	131	155
1932	Above Normal	144	131	194	265	408	408	389	424	477	426	269	220
1933	Dry	231	254	282	320	310	305	303	226	282	241	170	183
1934	Critical	184	180	227	283	305	342	429	403	298	195	159	170
1935	Above Normal	160	161	203	276	336	300	347	475	513	388	240	205
1936	Above Normal	222	253	283	335	439	479	524	524	501	380	242	205
1937	Wet	212	235	282	329	439	479	466	524	524	421	265	220
1938	Wet	238	266	428	439	421	397	361	307	524	524	422	346
1939	Dry	357	374	408	439	439	478	524	505	386	249	156	166
1940	Above Normal	180	175	191	322	414	475	499	524	504	335	180	156
1941	Wet	166	188	288	412	439	448	409	435	524	523	378	304
1942	Wet	311	335	430	439	439	465	421	399	524	500	346	288
1943	Wet	301	354	410	412	439	479	524	524	496	379	244	210
1944	Below Normal	217	243	276	318	331	337	312	367	352	269	185	187
1945	Above Normal	201	247	315	369	439	457	442	458	470	406	265	225
1946	Above Normal	272	353	439	439	439	451	474	523	492	355	218	193
1947	Dry	218	289	386	439	439	465	472	523	418	266	170	178
1948	Below Normal	175	175	196	220	212	151	166	228	293	236	159	174
1949	Below Normal	193	199	228	258	265	238	285	374	384	251	167	179
1950	Below Normal	195	203	233	286	349	324	394	457	434	297	183	184
1951	Above Normal	204	359	381	439	439	453	443	435	388	278	188	188
1952	Wet	194	200	277	428	421	391	374	480	524	521	408	343
1953	Below Normal	336	341	387	439	439	440	442	393	331	279	191	190
1954	Below Normal	190	192	219	260	293	301	379	495	450	317	200	181
1955	Dry	193	208	251	304	328	311	285	297	344	242	171	182
1956	Wet	182	181	351	351	439	479	413	368	446	412	289	240
1957	Below Normal	265	293	326	373	395	390	357	357	410	309	206	200
1958	Wet	216	230	284	336	406	373	393	453	524	502	371	313
1959	Dry	311	316	337	388	436	478	523	497	400	254	147	177
1960	Critical	179	169	183	205	229	217	306	337	293	196	160	174
1961	Critical	166	183	222	249	272	236	297	295	242	159	147	167
1962	Below Normal	157	147	177	206	357	322	362	429	488	402	255	216
1963	Above Normal	234	260	284	335	439	449	412	421	461	404	265	230
1964	Dry	249	321	375	418	404	400	411	403	349	230	168	178
1965	Wet	163	177	314	439	439	411	364	378	400	335	260	228
1966	Below Normal	240	342	429	439	439	477	523	523	424	258	153	159
1967	Wet	147	158	377	439	439	388	369	333	524	524	444	363
1968	Dry	302	290	313	353	335	378	428	432	350	236	160	171
1969	Wet	166	186	241	351	379	248	188	421	524	524	445	354
1970	Above Normal	318	320	359	439	439	479	471	475	449	311	208	200
1971	Below Normal	199	221	304	384	415	401	404	397	367	263	183	190
1972	Dry	204	220	288	339	361	413	385	386	338	210	137	178
1973	Above Normal	175	189	242	324	414	407	305	469	524	398	254	216
1974	Wet	243	336	439	439	439	459	407	470	523	404	274	236
1975	Wet	256	289	335	385	421	450	365	370	496	389	239	211
1976	Critical	267	332	371	402	413	440	457	439	313	185	144	182
1977	Critical	184	188	200	218	222	224	245	218	184	143	131	151
1978	Wet	139	131	208	367	439	479	410	430	524	524	434	439
1979	Above Normal	393	391	414	439	439	479	515	524	509	363	228	200
1980	Wet	222	262	305	380	405	473	489	503	524	524	416	349
1981	Dry	354	368	402	439	439	464	476	521	439	272	179	184
1982	Wet	179	230	300	422	439	441	524	524	524	523	440	440
1983	Wet	439	432	418	412	439	464	272	161	524	524	515	454
1984	Above Normal	404	437	407	439	439	478	471	515	461	333	225	213
1985	Dry	234	287	341	392	403	407	475	522	421	267	165	181
1986	Wet	183	203	276	371	393	479	506	494	524	456	313	273
1987	Critical	301	322	349	388	391	416	469	479	379	253	167	171
1988	Critical	170	175	204	265	284	276	344	355	295	197	160	178
1989	Critical	157	144	171	200	214	236	339	379	316	203	159	180
1990	Critical	176	173	199	231	242	234	324	310	246	180	155	168
1991	Critical	153	134	150	167	158	167	177	216	256	183	147	186
1992	Critical	171	168	198	231	273	266	371	414	305	204	163	176
1993	Wet	159	151	189	377	439	419	351	444	520	506	358	302
1994	Critical	318	335	369	412	415	446	481	485	404	262	169	177
1995	Wet	197	222	275	439	439	468	412	382	524	524	489	385
1996	Wet	292	269	300	366	439	479	453	524	524	414	280	244
1997	Wet	258	358	429	351	422	479	523	524	464	336	206	186
1998	Wet	202	237	285	395	439	441	497	348	524	524	452	364
1999	Above Normal	307	309	344	409	421	445	420	472	484	334	212	201
2000	Above Normal	215	226	254	336	411	466	498	523	515	357	223	197
2001	Dry	217	244	274	313	316	357	374	477	400	252	168	179
2002	Dry	168	172	237	306	332	315	399	443	404	277	175	175
2003	Below Normal	167	213	265	333	367	353	312	363	425	282	188	185

Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Alternative 1 - Existing Condition (taf)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	125	107	34	-49	-99	-8	123	93	-184	-163	-2	48		
1923	Above Normal	37	7	-87	-99	-99	-99	-97	-166	-118	-24	103	126		
1924	Critical	92	47	19	-8	-4	-4	-40	-36	64	158	195	175		
1925	Below Normal	190	191	161	128	70	92	32	-38	-29	52	147	157		
1926	Dry	132	114	79	48	17	19	-88	-183	-112	53	167	165		
1927	Above Normal	162	123	61	6	-99	-113	-121	-130	-149	-62	85	127		
1928	Below Normal	108	31	-22	-68	-76	-126	-148	-183	-102	64	159	161		
1929	Critical	180	187	165	142	148	173	145	66	90	157	192	161		
1930	Critical	186	205	188	161	148	167	89	85	77	159	194	162		
1931	Critical	169	160	141	117	101	137	90	76	135	192	209	185		
1932	Above Normal	196	209	146	75	-68	-68	-49	-84	-137	-86	71	120		
1933	Dry	109	86	58	20	30	36	38	114	58	99	170	157		
1934	Critical	156	160	113	57	35	-2	-89	-63	42	145	181	171		
1935	Above Normal	180	179	137	64	4	40	-7	-134	-173	-48	100	136		
1936	Above Normal	118	87	57	5	-99	-138	-184	-184	-161	-40	99	135		
1937	Wet	128	105	58	11	-99	-138	-126	-184	-184	-81	75	120		
1938	Wet	102	74	-88	-99	-80	-57	-21	33	-75	-75	-82	-6		
1939	Dry	-17	-34	-68	-99	-99	-138	-184	-165	-46	91	184	174		
1940	Above Normal	160	165	149	18	-74	-135	-159	-184	-163	5	160	185		
1941	Wet	175	152	53	-72	-99	-108	-69	-95	-184	-183	-38	36		
1942	Wet	30	5	-90	-99	-99	-125	-81	-59	-184	-160	-6	52		
1943	Wet	39	-14	-70	-72	-99	-138	-184	-184	-156	-38	96	130		
1944	Below Normal	123	97	64	22	9	3	28	-26	-12	72	155	153		
1945	Above Normal	140	93	25	-29	-99	-117	-102	-118	-130	-66	76	115		
1946	Above Normal	68	-13	-99	-99	-99	-111	-133	-183	-152	-15	122	147		
1947	Dry	122	52	-46	-99	-99	-125	-132	-183	-78	75	170	162		
1948	Below Normal	165	165	144	120	128	189	174	112	48	104	181	166		
1949	Below Normal	147	141	112	82	75	103	55	-34	-44	89	173	161		
1950	Below Normal	145	137	107	54	-8	16	-53	-117	-94	43	157	156		
1951	Above Normal	136	-19	-41	-99	-99	-113	-103	-95	-48	62	152	152		
1952	Wet	146	140	63	-88	-81	-51	-34	-140	-184	-181	-68	-3		
1953	Below Normal	4	-1	-47	-99	-99	-100	-102	-53	9	61	150	150		
1954	Below Normal	150	148	122	80	47	39	-39	-155	-110	23	141	159		
1955	Dry	147	132	89	36	13	29	55	43	-4	98	169	158		
1956	Wet	158	159	-1	5	-99	-138	-73	-28	-106	-72	51	100		
1957	Below Normal	75	47	14	-33	-55	-50	-17	-17	-70	31	135	141		
1958	Wet	124	110	56	4	-66	-33	-53	-113	-184	-161	-31	27		
1959	Dry	30	24	4	-48	-95	-138	-183	-156	-60	86	193	163		
1960	Critical	161	171	157	135	111	124	34	3	47	144	180	166		
1961	Critical	175	157	118	91	68	104	44	45	98	181	193	173		
1962	Below Normal	183	193	163	134	-17	18	-22	-89	-147	-62	85	124		
1963	Above Normal	106	80	56	6	-99	-109	-72	-81	-121	-64	75	110		
1964	Dry	91	19	-35	-78	-64	-60	-71	-63	-9	110	172	162		
1965	Wet	177	163	26	-98	-99	-71	-24	-38	-60	6	80	112		
1966	Below Normal	100	-2	-89	-99	-99	-137	-183	-183	-84	82	187	181		
1967	Wet	193	182	-37	-99	-99	-48	-29	7	-184	-103	-104	-23		
1968	Dry	38	50	27	-12	5	-38	-88	-92	-10	104	180	169		
1969	Wet	174	154	99	6	-39	92	152	-81	-75	-75	-105	-14		
1970	Above Normal	22	20	-19	-99	-99	-138	-131	-134	-109	29	132	140		
1971	Below Normal	141	119	36	-44	-75	-61	-64	-57	-26	77	157	151		
1972	Dry	137	120	52	1	-21	-73	-45	-46	2	130	203	162		
1973	Above Normal	165	151	99	16	-74	-67	35	-129	-184	-58	86	124		
1974	Wet	97	4	-99	-99	-99	-119	-67	-130	-183	-64	67	104		
1975	Wet	84	52	5	-45	-81	-109	-25	-30	-156	-49	101	129		
1976	Critical	73	8	-31	-62	-73	-100	-117	-99	28	155	197	158		
1977	Critical	156	152	140	122	118	116	95	122	156	197	209	189		
1978	Wet	201	209	132	-23	-99	-138	-70	-90	-184	-82	-94	-99		
1979	Above Normal	-53	-51	-74	-99	-99	-138	-174	-111	-117	-23	112	140		
1980	Wet	118	78	35	-40	-65	-133	-149	-163	-133	-75	-76	-8		
1981	Dry	-14	-28	-62	-99	-99	-124	-136	-181	-99	68	161	156		
1982	Wet	162	110	40	-81	-99	-101	-184	-184	-146	-148	-100	-100		
1983	Wet	-99	-92	-75	-72	-99	-106	68	179	-75	-75	-100	-114		
1984	Above Normal	-64	-75	-67	-75	-78	-84	-84	-110	-120	7	115	127		
1985	Dry	106	54	-1	-51	-63	-66	-135	-182	-81	73	175	159		
1986	Wet	157	137	64	-31	-53	-138	-166	-154	-113	-116	27	67		
1987	Critical	39	19	-8	-48	-51	-76	-129	-139	-39	87	173	169		
1988	Critical	170	165	136	75	56	65	-3	-15	45	143	180	162		
1989	Critical	184	196	169	140	126	104	1	-39	24	137	181	160		
1990	Critical	164	167	142	109	99	106	16	30	94	160	185	172		
1991	Critical	187	206	190	173	182	173	163	125	84	157	193	154		
1992	Critical	169	172	142	109	67	74	-31	-74	35	136	177	164		
1993	Wet	182	189	151	-37	-99	-79	-11	-104	-180	-166	-18	38		
1994	Critical	22	5	-29	-72	-75	-106	-141	-145	-64	78	171	163		
1995	Wet	143	118	65	-95	-99	-128	-72	-42	-97	-75	-99	-45		
1996	Wet	48	71	41	-26	-99	-98	-77	-75	-78	-74	60	96		
1997	Wet	82	-17	-89	-10	-75	-75	-75	-75	-124	4	134	154		
1998	Wet	138	104	55	-55	-99	-101	-157	-8	-137	-75	-112	-23		
1999	Above Normal	33	31	-4	-69	-81	-105	-80	-131	-144	6	128	139		
2000	Above Normal	126	114	86	4	-71	-125	-158	-183	-175	-17	117	143		
2001	Dry	123	96	66	28	24	-17	-33	-137	-59	88	172	161		
2002	Dry	172	169	103	34	8	25	-59	-103	-64	63	165	165		
2003	Below Normal	173	127	75	7	-27	-13	28	-23	-85	59	152	155		

**Percent Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)
From Existing Condition**

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	58%	46%	11%	-13%	-23%	-2%	57%	38%	-35%	-32%	-1%	17%
1923	Above Normal	12%	2%	-20%	-23%	-23%	-23%	-22%	-33%	-26%	-7%	44%	59%
1924	Critical	37%	16%	6%	-2%	-1%	-1%	-11%	-10%	23%	87%	134%	106%
1925	Below Normal	126%	128%	90%	61%	26%	37%	10%	-10%	-8%	18%	76%	86%
1926	Dry	64%	50%	30%	17%	5%	6%	-21%	-35%	-25%	19%	97%	94%
1927	Above Normal	91%	57%	22%	2%	-23%	-25%	-26%	-28%	-30%	-15%	33%	60%
1928	Below Normal	46%	10%	-6%	-17%	-18%	-27%	-30%	-35%	-23%	23%	88%	90%
1929	Critical	112%	121%	94%	72%	77%	104%	74%	24%	36%	86%	130%	90%
1930	Critical	121%	151%	123%	90%	77%	96%	36%	33%	29%	87%	133%	90%
1931	Critical	99%	89%	71%	52%	42%	68%	36%	29%	66%	130%	160%	119%
1932	Above Normal	137%	160%	76%	28%	-17%	-17%	-13%	-20%	-29%	-20%	27%	55%
1933	Dry	47%	34%	21%	6%	10%	12%	12%	50%	20%	41%	100%	86%
1934	Critical	85%	89%	50%	20%	12%	-1%	-21%	-16%	14%	74%	114%	101%
1935	Above Normal	112%	111%	68%	23%	1%	13%	-2%	-28%	-34%	-12%	42%	66%
1936	Above Normal	53%	34%	20%	2%	-23%	-29%	-35%	-35%	-32%	-10%	41%	66%
1937	Wet	60%	45%	20%	3%	-23%	-27%	-35%	-35%	-35%	-19%	28%	54%
1938	Wet	43%	28%	-21%	-23%	-19%	-14%	-6%	11%	-14%	-14%	-19%	-2%
1939	Dry	-5%	-9%	-17%	-23%	-23%	-29%	-35%	-33%	-12%	36%	118%	105%
1940	Above Normal	88%	94%	78%	6%	-18%	-28%	-32%	-35%	-32%	1%	89%	119%
1941	Wet	105%	81%	18%	-17%	-23%	-24%	-17%	-22%	-35%	-35%	-10%	12%
1942	Wet	10%	1%	-21%	-23%	-23%	-27%	-19%	-15%	-35%	-32%	-2%	18%
1943	Wet	13%	-4%	-17%	-18%	-23%	-29%	-35%	-35%	-31%	-10%	40%	62%
1944	Below Normal	57%	40%	23%	7%	3%	1%	9%	-7%	-4%	27%	84%	81%
1945	Above Normal	70%	37%	8%	-8%	-23%	-23%	-26%	-26%	-28%	-16%	29%	51%
1946	Above Normal	25%	-4%	-23%	-23%	-23%	-25%	-28%	-35%	-31%	-4%	56%	76%
1947	Dry	56%	18%	-12%	-23%	-23%	-27%	-28%	-35%	-19%	28%	100%	91%
1948	Below Normal	94%	94%	74%	55%	61%	125%	105%	49%	16%	44%	114%	95%
1949	Below Normal	76%	71%	49%	32%	28%	43%	19%	-9%	-11%	36%	104%	90%
1950	Below Normal	75%	68%	46%	19%	-2%	5%	-14%	-26%	-22%	14%	86%	85%
1951	Above Normal	67%	-5%	-11%	-23%	-23%	-25%	-23%	-22%	-12%	23%	81%	81%
1952	Wet	76%	70%	23%	-21%	-19%	-13%	-9%	-29%	-35%	-35%	-17%	-1%
1953	Below Normal	1%	0%	-12%	-23%	-23%	-23%	-13%	-13%	3%	22%	78%	79%
1954	Below Normal	79%	77%	56%	31%	16%	13%	-10%	-31%	-24%	7%	70%	87%
1955	Dry	76%	64%	35%	12%	9%	9%	19%	15%	-1%	40%	99%	87%
1956	Wet	87%	88%	0%	1%	-23%	-29%	-18%	-8%	-24%	-17%	18%	42%
1957	Below Normal	28%	16%	4%	-9%	-14%	-13%	-5%	-5%	-17%	10%	65%	70%
1958	Wet	57%	48%	20%	1%	-16%	-9%	-13%	-25%	-35%	-8%	9%	9%
1959	Dry	10%	8%	1%	-12%	-22%	-29%	-35%	-32%	-15%	34%	132%	92%
1960	Critical	90%	101%	86%	66%	48%	57%	11%	1%	16%	73%	112%	95%
1961	Critical	105%	86%	53%	37%	25%	44%	15%	15%	41%	114%	132%	104%
1962	Below Normal	116%	131%	93%	65%	-5%	6%	-6%	-21%	-30%	-15%	33%	57%
1963	Above Normal	45%	31%	20%	2%	-23%	-24%	-17%	-19%	-26%	-16%	28%	48%
1964	Dry	36%	6%	-9%	-19%	-16%	-15%	-17%	-16%	-2%	48%	102%	91%
1965	Wet	109%	92%	8%	-22%	-23%	-17%	-7%	-10%	-15%	2%	31%	49%
1966	Below Normal	41%	-1%	-21%	-23%	-23%	-29%	-35%	-35%	-20%	32%	122%	113%
1967	Wet	131%	116%	-10%	-23%	-23%	-12%	-8%	2%	-35%	-20%	-23%	-6%
1968	Dry	13%	17%	9%	-4%	2%	-10%	-21%	-21%	-3%	44%	113%	98%
1969	Wet	105%	83%	41%	2%	-10%	37%	81%	-19%	-14%	-14%	-24%	-4%
1970	Above Normal	7%	6%	-5%	-23%	-23%	-29%	-28%	-28%	-24%	9%	63%	70%
1971	Below Normal	71%	54%	12%	-11%	-18%	-15%	-16%	-14%	-7%	29%	86%	79%
1972	Dry	67%	55%	18%	0%	-6%	-18%	-12%	-12%	1%	62%	148%	91%
1973	Above Normal	94%	79%	41%	5%	-18%	-16%	12%	-27%	-35%	-15%	34%	57%
1974	Wet	40%	1%	-23%	-23%	-23%	-26%	-17%	-28%	-35%	-16%	24%	44%
1975	Wet	33%	18%	2%	-12%	-19%	-24%	-7%	-8%	-31%	-13%	42%	61%
1976	Critical	27%	2%	-8%	-15%	-18%	-23%	-26%	-23%	9%	83%	137%	87%
1977	Critical	85%	81%	70%	56%	53%	52%	39%	56%	84%	138%	160%	125%
1978	Wet	144%	160%	63%	-6%	-23%	-29%	-17%	-21%	-35%	-16%	-22%	-23%
1979	Above Normal	-14%	-13%	-18%	-23%	-23%	-29%	-34%	-21%	-23%	-6%	49%	70%
1980	Wet	53%	30%	11%	-10%	-16%	-28%	-30%	-32%	-25%	-14%	-18%	-2%
1981	Dry	-4%	-8%	-15%	-23%	-23%	-27%	-29%	-35%	-23%	25%	90%	84%
1982	Wet	91%	48%	13%	-19%	-23%	-23%	-35%	-35%	-28%	-28%	-23%	-23%
1983	Wet	-23%	-21%	-18%	-18%	-23%	-23%	25%	111%	-14%	-14%	-19%	-25%
1984	Above Normal	-16%	-17%	-16%	-17%	-18%	-18%	-18%	-21%	-26%	2%	51%	60%
1985	Dry	45%	19%	0%	-13%	-16%	-16%	-28%	-35%	-19%	27%	106%	87%
1986	Wet	86%	68%	23%	-8%	-13%	-29%	-33%	-31%	-22%	-25%	9%	24%
1987	Critical	13%	6%	-2%	-12%	-13%	-18%	-27%	-29%	-10%	34%	104%	98%
1988	Critical	100%	95%	67%	28%	20%	23%	-1%	-4%	15%	73%	113%	91%
1989	Critical	117%	137%	99%	70%	59%	44%	0%	-10%	7%	68%	114%	89%
1990	Critical	94%	96%	71%	47%	41%	45%	5%	10%	38%	89%	119%	102%
1991	Critical	122%	153%	127%	104%	115%	104%	92%	58%	33%	86%	132%	83%
1992	Critical	99%	102%	72%	47%	24%	28%	-8%	-18%	11%	67%	109%	93%
1993	Wet	114%	125%	80%	-10%	-23%	-19%	-3%	-23%	-35%	-3%	-5%	12%
1994	Critical	7%	1%	-8%	-18%	-18%	-24%	-29%	-30%	-16%	30%	101%	93%
1995	Wet	72%	53%	24%	-22%	-23%	-27%	-17%	-11%	-19%	-14%	-20%	-12%
1996	Wet	16%	26%	14%	-7%	-23%	-20%	-17%	-14%	-15%	-18%	22%	39%
1997	Wet	32%	-5%	-21%	-3%	-18%	-16%	-14%	-14%	-27%	1%	65%	83%
1998	Wet	68%	44%	19%	-14%	-23%	-23%	-32%	-2%	-26%	-14%	-25%	-6%
1999	Above Normal	11%	10%	-1%	-17%	-19%	-24%	-19%	-28%	-30%	2%	60%	69%
2000	Above Normal	59%	50%	34%	1%	-17%	-27%	-32%	-35%	-34%	-5%	52%	72%
2001	Dry	57%	39%	24%	9%	8%	-5%	-9%	-29%	-15%	35%	102%	90%
2002	Dry	103%	98%	44%	11%	2%	8%	-15%	-23%	-16%	23%	94%	94%
2003	Below Normal	104%	60%	28%	2%	-7%	-4%	9%	-6%	-20%	21%	81%	84%

Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 1 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	482	500	573	656	747	710	680	859	1,220	1,167	953	782
1923	Above Normal	691	678	730	781	742	736	723	774	691	557	394	348
1924	Critical	365	396	410	424	416	416	452	447	348	253	216	235
1925	Below Normal	219	218	247	280	338	317	379	453	447	371	279	267
1926	Dry	288	302	333	360	392	391	498	608	536	371	256	257
1927	Above Normal	257	294	354	407	522	535	534	619	701	583	407	344
1928	Below Normal	348	411	451	484	490	541	575	640	555	390	290	283
1929	Critical	257	243	258	274	268	243	270	348	323	254	218	247
1930	Critical	221	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	479	462	503	617	561	398	339
1933	Dry	338	348	363	389	380	375	374	300	357	318	247	259
1934	Critical	257	251	296	349	371	408	496	470	366	265	229	239
1935	Above Normal	229	230	271	345	405	371	420	551	670	536	377	330
1936	Above Normal	335	353	371	411	567	630	666	802	759	590	410	346
1937	Wet	335	344	378	424	617	740	825	1,080	1,186	1,005	754	611
1938	Wet	538	529	707	795	828	992	1,069	1,187	1,331	1,331	1,294	1,114
1939	Dry	1,034	1,013	1,008	1,026	961	993	1,069	983	783	560	384	337
1940	Above Normal	326	306	307	424	514	575	592	734	747	566	388	333
1941	Wet	325	334	427	551	694	764	833	945	1,131	1,127	951	783
1942	Wet	710	700	767	873	877	877	929	978	1,174	1,122	918	745
1943	Wet	654	665	680	799	844	1,008	1,096	1,236	1,186	994	765	628
1944	Below Normal	541	530	527	534	488	493	466	519	493	396	300	292
1945	Above Normal	296	334	393	439	638	653	644	739	769	672	488	410
1946	Above Normal	426	488	603	678	684	693	707	811	742	564	390	340
1947	Dry	348	405	489	535	555	581	588	651	538	377	274	275
1948	Below Normal	266	260	275	294	285	224	239	300	364	306	228	242
1949	Below Normal	260	266	294	324	331	304	351	442	453	321	238	250
1950	Below Normal	264	272	302	354	417	394	474	543	521	391	277	275
1951	Above Normal	290	439	739	944	1,035	1,024	960	884	762	576	407	350
1952	Wet	330	321	384	521	568	593	700	974	1,205	1,189	1,035	869
1953	Below Normal	764	732	741	806	750	739	712	632	547	478	361	328
1954	Below Normal	310	299	314	343	363	372	452	571	530	401	286	266
1955	Dry	274	285	325	374	398	382	357	370	418	318	247	256
1956	Wet	254	252	548	813	1,009	1,073	1,101	1,111	1,253	1,220	1,048	878
1957	Below Normal	797	781	770	773	722	703	640	607	634	511	373	332
1958	Wet	330	330	372	411	411	510	641	891	1,079	1,033	866	732
1959	Dry	628	599	585	603	591	656	699	665	550	384	259	278
1960	Critical	271	255	263	279	301	288	377	408	363	267	230	243
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	392	441	521	593	516	374	331
1963	Above Normal	338	352	364	403	585	596	556	563	620	550	398	349
1964	Dry	355	413	455	484	471	467	479	472	419	301	240	249
1965	Wet	233	247	383	620	720	687	654	689	679	590	481	413
1966	Below Normal	396	478	546	602	607	645	723	773	646	445	313	300
1967	Wet	275	275	486	566	639	657	711	802	1,166	1,331	1,293	1,144
1968	Dry	1,038	1,014	1,015	1,033	993	1,010	998	929	757	547	380	332
1969	Wet	300	306	347	577	715	753	814	1,189	1,331	1,331	1,303	1,121
1970	Above Normal	1,036	1,012	1,025	1,166	1,139	1,176	1,125	1,104	1,035	821	628	526
1971	Below Normal	441	427	477	523	500	488	495	493	466	366	287	289
1972	Dry	295	304	364	408	430	483	453	456	410	282	209	249
1973	Above Normal	245	259	311	393	483	473	436	660	764	592	407	342
1974	Wet	352	431	522	661	688	764	827	989	1,079	889	681	565
1975	Wet	505	503	515	532	516	543	451	521	704	568	390	341
1976	Critical	382	433	459	477	485	513	530	511	385	258	215	252
1977	Critical	254	258	270	287	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,318	1,331	1,309	1,259
1979	Above Normal	1,160	1,134	1,133	1,205	1,192	1,250	1,287	1,331	1,331	1,155	923	755
1980	Wet	671	668	669	911	1,083	1,191	1,246	1,306	1,331	1,331	1,286	1,110
1981	Dry	1,011	986	981	991	930	936	903	896	756	535	381	339
1982	Wet	310	347	403	511	625	689	987	1,208	1,331	1,331	1,240	1,158
1983	Wet	1,210	1,323	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,324
1984	Above Normal	1,268	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,305	1,109	917	769
1985	Dry	687	696	707	715	652	651	704	739	612	424	296	295
1986	Wet	285	295	360	445	727	1,001	1,132	1,277	1,331	1,305	1,082	914
1987	Critical	820	796	778	772	697	715	754	741	598	424	296	279
1988	Critical	266	264	287	341	355	347	414	425	366	268	230	248
1989	Critical	226	212	239	268	282	304	406	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	589	633	824	967	933	745	612
1994	Critical	541	524	523	532	486	517	552	557	477	335	243	250
1995	Wet	269	293	346	547	640	832	954	1,052	1,331	1,331	1,331	1,251
1996	Wet	1,140	1,101	1,119	1,171	1,264	1,331	1,331	1,331	1,331	1,271	1,047	874
1997	Wet	787	842	1,025	1,266	1,331	1,331	1,331	1,331	1,327	1,114	885	725
1998	Wet	627	620	629	699	835	909	1,027	1,004	1,331	1,331	1,326	1,189
1999	Above Normal	1,106	1,089	1,113	1,161	1,158	1,151	1,116	1,142	1,109	883	670	563
2000	Above Normal	491	468	461	510	529	580	609	714	722	538	378	333
2001	Dry	338	352	369	395	396	437	454	557	479	332	247	255
2002	Dry	242	244	308	376	402	384	469	513	475	349	247	247
2003	Below Normal	238	283	335	403	436	424	394	451	514	377	283	277

Change in Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 1 - Existing Condition (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	482	500	573	656	747	710	680	859	1,220	1,167	953	782
1923	Above Normal	691	678	730	781	742	736	723	774	691	557	394	348
1924	Critical	365	396	410	424	416	416	452	447	348	253	216	235
1925	Below Normal	219	218	247	280	338	317	379	453	447	371	279	267
1926	Dry	288	302	333	360	392	391	498	608	536	371	256	257
1927	Above Normal	257	294	354	407	522	535	534	619	701	583	407	344
1928	Below Normal	348	411	451	484	490	541	575	640	555	390	290	283
1929	Critical	257	243	258	274	268	243	270	348	323	254	218	247
1930	Critical	221	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	479	462	503	617	561	398	339
1933	Dry	338	348	363	389	380	375	374	300	357	318	247	259
1934	Critical	257	251	296	349	371	408	496	470	366	265	229	239
1935	Above Normal	229	230	271	345	405	371	420	551	670	536	377	330
1936	Above Normal	335	353	371	411	567	630	666	802	759	590	410	346
1937	Wet	335	344	378	424	617	740	825	1,080	1,186	1,005	754	611
1938	Wet	538	529	707	795	828	992	1,069	1,187	1,331	1,331	1,294	1,114
1939	Dry	1,034	1,013	1,008	1,026	961	993	1,069	983	783	560	384	337
1940	Above Normal	326	306	307	424	514	575	592	734	747	566	388	333
1941	Wet	325	334	427	551	694	764	833	945	1,131	1,127	951	783
1942	Wet	710	700	767	873	877	877	929	978	1,174	1,122	918	745
1943	Wet	654	665	680	799	844	1,008	1,096	1,236	1,186	994	765	628
1944	Below Normal	541	530	527	534	488	493	466	519	493	396	300	292
1945	Above Normal	296	334	393	439	638	653	644	739	769	672	488	410
1946	Above Normal	426	488	603	678	684	693	707	811	742	564	390	340
1947	Dry	348	405	489	535	555	581	588	651	538	377	274	275
1948	Below Normal	266	260	275	294	285	224	239	300	364	306	228	242
1949	Below Normal	260	266	294	324	331	304	351	442	453	321	238	250
1950	Below Normal	264	272	302	354	417	394	474	543	521	391	277	275
1951	Above Normal	290	439	739	944	1,035	1,024	960	884	762	576	407	350
1952	Wet	330	321	384	521	568	593	700	974	1,205	1,189	1,035	869
1953	Below Normal	764	732	741	806	750	739	712	632	547	478	361	328
1954	Below Normal	310	299	314	343	363	372	452	571	530	401	286	266
1955	Dry	274	285	325	374	398	382	357	370	418	318	247	256
1956	Wet	254	252	548	813	1,009	1,073	1,101	1,111	1,253	1,220	1,048	878
1957	Below Normal	797	781	770	773	722	703	640	607	634	511	373	332
1958	Wet	330	330	372	411	476	510	641	891	1,079	1,033	866	722
1959	Dry	628	599	585	603	591	656	699	665	550	384	259	278
1960	Critical	271	255	263	279	301	288	377	408	363	267	230	243
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	392	441	521	593	516	374	331
1963	Above Normal	338	352	364	403	585	596	556	563	620	550	398	349
1964	Dry	355	413	455	484	471	467	479	472	419	301	240	249
1965	Wet	233	247	383	620	720	687	654	689	679	590	481	413
1966	Below Normal	396	478	546	602	607	645	723	773	646	445	313	300
1967	Wet	275	275	486	566	639	657	711	802	1,166	1,331	1,293	1,144
1968	Dry	1,038	1,014	1,015	1,033	993	1,010	998	929	757	547	380	332
1969	Wet	300	306	347	577	715	753	814	1,189	1,331	1,331	1,303	1,121
1970	Above Normal	1,036	1,012	1,025	1,166	1,139	1,176	1,125	1,104	1,035	821	628	526
1971	Below Normal	441	427	477	523	500	488	495	466	466	366	287	289
1972	Dry	295	304	364	408	430	483	453	456	410	282	209	249
1973	Above Normal	245	259	311	393	483	473	436	660	764	592	407	342
1974	Wet	352	431	522	661	688	764	827	989	1,079	889	681	565
1975	Wet	505	503	515	532	516	543	451	521	704	568	390	341
1976	Critical	382	433	459	477	485	513	530	511	385	258	215	252
1977	Critical	254	258	270	287	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,318	1,331	1,309	1,259
1979	Above Normal	1,160	1,134	1,133	1,205	1,192	1,250	1,287	1,331	1,331	1,155	923	755
1980	Wet	671	668	669	911	1,083	1,191	1,246	1,306	1,331	1,331	1,286	1,110
1981	Dry	1,011	986	981	991	930	936	903	896	756	535	381	339
1982	Wet	310	347	403	511	625	689	987	1,208	1,331	1,331	1,240	1,158
1983	Wet	1,210	1,323	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,324
1984	Above Normal	1,268	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,305	1,109	917	769
1985	Dry	687	696	707	715	652	651	704	739	612	424	296	295
1986	Wet	285	295	360	445	727	1,001	1,132	1,277	1,331	1,305	1,082	914
1987	Critical	820	796	778	772	697	715	754	741	598	424	296	279
1988	Critical	266	264	287	341	355	347	414	425	366	268	230	248
1989	Critical	226	212	239	268	282	304	406	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	589	633	824	967	933	745	612
1994	Critical	541	524	523	532	486	517	552	557	477	335	243	250
1995	Wet	269	293	346	547	640	832	954	1,052	1,331	1,331	1,331	1,251
1996	Wet	1,140	1,101	1,119	1,171	1,264	1,331	1,331	1,331	1,331	1,271	1,047	874
1997	Wet	787	842	1,025	1,266	1,331	1,331	1,331	1,331	1,327	1,114	885	725
1998	Wet	627	620	629	699	835	909	1,027	1,004	1,331	1,331	1,326	1,189
1999	Above Normal	1,106	1,089	1,113	1,161	1,158	1,151	1,116	1,142	1,109	883	670	563
2000	Above Normal	491	468	461	510	529	580	609	714	722	538	378	333
2001	Dry	338	352	369	395	396	437	454	557	479	332	247	255
2002	Dry	242	244	308	376	402	384	469	513	475	349	247	247
2003	Below Normal	238	283	335	403	436	424	394	451	514	377	283	277

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,425	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,361	1,397	1,332	1,057	1,216
1938	Wet	1,181	1,189	1,275	1,350	1,532	1,663	1,761	2,027	2,233	2,188	2,094	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,629	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,559	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,615	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,511	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,411
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Alternative 1 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,424	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	897	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,360	1,396	1,331	1,056	1,214
1938	Wet	1,179	1,187	1,273	1,349	1,531	1,662	1,759	2,026	2,232	2,187	2,093	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,630	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,558	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,614	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,512	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,412
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,053	2,071	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,474	1,722	1,444	1,078	935	770	707	881
1923	Below Normal	965	1,075	1,341	1,402	1,470	1,431	1,195	785	467	429	451	682
1924	Critical	850	1,075	1,293	1,512	1,570	1,453	1,306	1,100	739	744	464	404
1925	Dry	555	692	1,103	1,426	1,595	1,722	1,526	1,153	806	772	580	745
1926	Dry	827	998	1,193	1,458	1,499	1,346	1,212	890	606	619	470	523
1927	Wet	542	1,012	1,315	1,493	1,776	1,891	1,575	1,132	767	716	716	853
1928	Above Normal	846	936	1,408	1,516	1,435	1,680	1,382	946	558	464	480	665
1929	Critical	701	677	1,009	1,126	1,200	1,310	1,243	1,076	767	529	481	452
1930	Dry	534	646	982	1,222	1,412	1,534	1,401	1,148	794	827	642	854
1931	Critical	905	1,028	1,180	1,467	1,653	1,617	1,447	1,199	818	643	343	271
1932	Dry	337	447	1,087	1,433	1,798	1,918	1,712	1,430	984	902	892	971
1933	Critical	1,055	1,174	1,429	1,732	1,976	1,990	1,846	1,608	1,215	892	778	792
1934	Critical	850	927	1,250	1,576	1,765	1,751	1,568	1,333	929	501	281	289
1935	Below Normal	336	505	835	1,183	1,392	1,519	1,313	932	686	605	511	731
1936	Below Normal	858	1,014	1,279	1,429	1,879	2,039	1,815	1,477	1,100	1,045	977	1,095
1937	Below Normal	1,247	1,373	1,770	1,923	2,039	2,039	1,855	1,616	1,385	1,288	1,075	1,056
1938	Wet	1,191	1,579	1,942	2,039	2,039	2,039	1,959	2,039	1,944	1,737	1,539	1,543
1939	Dry	1,556	1,311	1,681	1,688	1,651	1,445	1,135	751	236	195	100	295
1940	Above Normal	267	337	434	645	895	1,287	1,068	693	362	241	233	391
1941	Wet	448	479	821	1,158	1,699	2,010	1,761	1,406	1,137	985	929	1,078
1942	Wet	1,047	1,106	1,383	1,594	1,752	1,855	1,509	1,079	802	624	591	701
1943	Wet	706	763	986	1,291	1,482	1,859	1,585	1,189	770	540	425	550
1944	Dry	515	485	899	996	1,090	1,142	956	639	312	391	333	312
1945	Below Normal	381	872	1,222	1,524	1,871	2,039	1,731	1,268	755	657	645	762
1946	Below Normal	973	1,356	1,661	1,831	1,944	1,991	1,672	1,224	731	648	636	775
1947	Dry	971	1,257	1,544	1,644	1,698	1,579	1,311	877	382	328	152	336
1948	Below Normal	462	682	824	853	684	787	617	312	202	194	307	547
1949	Dry	697	890	1,237	1,514	1,744	1,758	1,446	993	459	354	160	358
1950	Below Normal	357	478	668	785	894	1,111	873	504	372	327	348	575
1951	Above Normal	828	1,270	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,405	1,499	1,878	1,709	1,511	1,455	1,243	1,138	1,249
1953	Wet	1,232	1,230	1,566	1,537	1,532	1,551	1,240	843	422	429	506	736
1954	Above Normal	681	719	1,195	1,197	1,204	1,315	1,050	649	297	118	176	407
1955	Dry	470	702	1,232	1,532	1,734	1,788	1,565	1,193	612	611	400	583
1956	Wet	606	874	1,376	1,823	2,039	2,039	1,712	1,228	917	719	617	699
1957	Above Normal	683	712	1,119	1,144	965	822	616	320	151	129	238	464
1958	Wet	840	1,074	1,359	1,558	1,805	2,039	1,862	1,492	1,297	996	810	919
1959	Below Normal	932	900	1,302	1,165	1,084	1,124	933	563	207	189	249	432
1960	Dry	525	661	847	1,115	1,231	1,323	1,015	667	230	149	100	300
1961	Dry	251	486	990	1,252	1,315	1,506	1,245	869	256	244	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,684	1,795	1,500	1,081	725	711	757	865
1964	Dry	944	1,347	1,615	1,743	1,808	1,817	1,496	1,074	451	432	255	464
1965	Wet	474	558	799	1,132	1,306	1,482	1,227	759	338	214	310	497
1966	Below Normal	439	739	1,239	1,360	1,410	1,435	1,184	768	290	225	255	490
1967	Wet	552	768	1,092	1,392	1,589	1,799	1,629	1,356	1,312	1,205	1,060	1,192
1968	Below Normal	1,272	1,144	1,567	1,572	1,392	1,410	1,139	768	328	341	417	612
1969	Wet	778	1,021	1,546	1,842	2,039	2,039	2,011	2,039	2,022	1,870	1,671	1,654
1970	Wet	1,693	1,464	1,707	1,981	2,039	2,039	1,730	1,269	745	634	618	595
1971	Wet	604	790	1,024	1,061	1,051	1,203	973	591	268	270	357	587
1972	Below Normal	666	624	1,165	1,429	1,434	1,409	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,413	1,603	1,825	1,959	1,659	1,267	879	796	781	755
1974	Wet	980	1,366	1,656	1,853	1,910	2,036	1,712	1,209	817	606	587	703
1975	Wet	818	837	1,282	1,307	1,260	1,467	1,138	674	382	301	357	543
1976	Critical	805	780	1,244	1,327	1,370	1,463	1,294	974	538	464	260	343
1977	Critical	380	455	537	727	843	753	647	548	359	182	235	183
1978	Above Normal	210	239	375	660	1,093	1,424	1,286	1,073	960	852	777	952
1979	Below Normal	992	1,036	1,484	1,615	1,772	1,933	1,647	1,301	811	750	760	790
1980	Above Normal	975	1,055	1,527	1,873	2,039	2,039	1,812	1,441	1,182	1,066	870	536
1981	Dry	616	682	1,128	1,156	1,121	1,150	947	573	249	203	102	333
1982	Wet	469	899	1,157	1,446	1,948	2,039	2,039	1,785	1,537	1,262	1,084	1,200
1983	Wet	1,454	1,720	2,039	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,818	2,039	1,855	1,550	1,377	1,246	1,002	938
1987	Dry	932	744	1,177	1,216	1,214	1,257	1,046	813	480	465	219	220
1988	Critical	294	436	740	935	883	874	789	623	303	422	369	294
1989	Dry	291	532	840	1,178	1,218	1,211	995	603	262	217	100	331
1990	Critical	390	481	727	979	1,072	1,024	859	666	293	480	379	296
1991	Critical	314	401	581	591	687	684	600	423	260	360	231	136
1992	Critical	122	242	364	485	581	717	579	368	148	145	181	100
1993	Above Normal	100	184	420	715	1,000	1,181	874	465	307	236	256	461
1994	Critical	555	577	1,065	1,203	1,302	1,317	1,088	757	192	189	100	134
1995	Wet	144	303	444	695	921	1,421	1,190	1,297	1,193	1,070	923	1,048
1996	Wet	923	804	980	938	1,240	1,586	1,271	910	540	414	411	586
1997	Wet	469	561	1,070	1,512	1,873	2,039	1,701	1,220	791	544	538	702
1998	Wet	667	576	1,028	1,022	1,371	1,724	1,533	1,244	1,156	1,026	866	996
1999	Wet	1,245	1,396	1,547	1,636	1,755	1,904	1,602	1,163	795	750	770	919
2000	Above Normal	630	649	1,071	1,020	1,242	1,544	1,257	820	454	259	269	481
2001	Dry	450	515	991	1,240	1,384	1,526	1,361	1,043	671	697	413	474
2002	Dry	501	736	1,105	1,326	1,531	1,610	1,311	904	446	461	219	398
2003	Above Normal	302	435	620	788	1,004	1,168	923	545	337	297	358	536

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 1 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	601	717	1,129	1,351	1,441	1,681	1,390	937	741	541	458	611
1923	Below Normal	688	841	1,094	1,144	1,202	1,125	837	511	355	290	268	457
1924	Critical	654	807	1,092	1,271	1,290	1,155	992	765	411	223	105	120
1925	Dry	186	188	414	715	868	1,080	896	572	295	338	215	415
1926	Dry	497	681	900	1,166	1,211	1,048	904	552	250	236	121	145
1927	Wet	204	621	880	1,048	1,330	1,446	1,138	706	379	339	354	493
1928	Above Normal	489	580	1,053	1,165	1,090	1,339	1,049	613	339	203	191	359
1929	Critical	385	354	682	833	936	1,051	972	796	467	351	434	453
1930	Dry	515	602	766	989	1,175	1,294	1,163	914	641	661	465	666
1931	Critical	716	838	989	1,272	1,455	1,416	1,246	1,000	621	433	246	269
1932	Dry	335	399	893	1,232	1,596	1,713	1,507	1,224	778	695	826	937
1933	Critical	1,018	1,135	1,386	1,685	1,927	1,942	1,805	1,574	1,190	852	751	760
1934	Critical	835	903	1,234	1,565	1,752	1,733	1,544	1,301	887	447	290	299
1935	Below Normal	307	450	756	1,102	1,309	1,433	1,223	836	656	552	434	634
1936	Below Normal	762	919	1,172	1,323	1,799	2,039	1,786	1,386	1,010	957	892	1,030
1937	Below Normal	1,187	1,313	1,711	1,866	2,039	2,039	1,836	1,556	1,267	1,172	951	935
1938	Wet	1,071	1,461	1,826	2,013	2,039	2,039	1,929	1,729	1,676	1,492	1,340	1,401
1939	Dry	1,426	1,215	1,566	1,575	1,540	1,341	1,050	671	157	135	100	291
1940	Above Normal	265	361	443	667	930	1,321	1,098	682	343	211	215	397
1941	Wet	453	472	812	1,147	1,675	1,991	1,744	1,380	1,112	966	914	1,065
1942	Wet	1,037	1,099	1,378	1,571	1,718	1,822	1,477	1,050	773	599	573	713
1943	Wet	719	778	1,002	1,240	1,413	1,780	1,481	1,061	647	424	315	440
1944	Dry	410	417	832	956	1,076	1,137	952	637	313	391	338	318
1945	Below Normal	388	880	1,232	1,535	1,808	2,012	1,707	1,248	741	651	644	766
1946	Below Normal	959	1,343	1,648	1,807	1,931	1,979	1,661	1,215	726	647	638	775
1947	Dry	971	1,258	1,544	1,645	1,699	1,581	1,313	878	381	325	145	328
1948	Below Normal	456	675	818	850	684	788	618	310	201	193	306	547
1949	Dry	696	890	1,237	1,514	1,744	1,758	1,447	993	458	353	157	355
1950	Below Normal	351	473	662	782	893	1,111	872	504	372	327	348	575
1951	Above Normal	829	1,271	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,400	1,494	1,839	1,629	1,396	1,304	1,101	1,007	1,161
1953	Wet	1,147	1,245	1,566	1,487	1,485	1,524	1,248	856	444	462	546	780
1954	Above Normal	729	762	1,236	1,231	1,232	1,335	1,068	662	301	119	174	404
1955	Dry	467	698	1,227	1,527	1,727	1,782	1,561	1,190	612	615	406	579
1956	Wet	604	872	1,306	1,788	2,009	2,039	1,712	1,228	917	718	616	700
1957	Above Normal	684	712	1,119	1,144	965	823	617	320	151	130	239	465
1958	Wet	841	1,074	1,359	1,558	1,805	2,039	1,818	1,420	1,220	931	753	865
1959	Below Normal	880	858	1,263	1,129	1,051	1,098	892	528	205	192	257	439
1960	Dry	531	667	853	1,122	1,239	1,331	1,022	673	230	151	100	304
1961	Dry	261	498	1,002	1,260	1,321	1,510	1,249	872	258	246	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,677	1,788	1,494	1,076	722	709	757	864
1964	Dry	944	1,347	1,615	1,744	1,810	1,819	1,498	1,076	452	432	256	465
1965	Wet	475	560	800	1,113	1,259	1,437	1,185	723	316	205	308	498
1966	Below Normal	441	736	1,239	1,363	1,418	1,443	1,173	759	284	223	256	488
1967	Wet	551	769	1,092	1,395	1,585	1,791	1,573	1,270	1,204	1,021	879	1,015
1968	Below Normal	1,088	1,095	1,526	1,532	1,353	1,371	1,103	731	289	296	370	566
1969	Wet	715	966	1,495	1,771	2,039	2,039	1,979	2,039	2,023	1,872	1,673	1,666
1970	Wet	1,706	1,477	1,722	1,996	2,039	2,039	1,735	1,273	748	636	618	596
1971	Wet	604	789	1,021	1,059	1,048	1,200	971	589	268	270	358	588
1972	Below Normal	666	624	1,166	1,430	1,435	1,410	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,414	1,603	1,825	1,959	1,659	1,204	811	729	715	775
1974	Wet	938	1,323	1,614	1,770	1,825	1,956	1,614	1,115	739	547	548	703
1975	Wet	827	845	1,294	1,326	1,285	1,497	1,164	696	399	312	363	546
1976	Critical	809	783	1,245	1,325	1,365	1,458	1,290	972	537	465	261	347
1977	Critical	382	458	541	730	847	756	645	546	357	180	234	183
1978	Above Normal	209	237	374	659	1,039	1,334	1,166	922	742	563	500	682
1979	Below Normal	732	875	1,336	1,504	1,719	1,931	1,617	1,223	735	676	688	771
1980	Above Normal	992	1,090	1,563	1,782	2,039	2,039	1,822	1,463	1,210	1,004	836	739
1981	Dry	800	764	1,220	1,247	1,215	1,167	962	587	236	196	104	328
1982	Wet	465	894	1,151	1,442	1,911	2,039	2,039	1,740	1,461	1,187	1,009	1,125
1983	Wet	1,376	1,593	1,966	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,685	2,039	1,835	1,504	1,320	1,190	1,022	891
1987	Dry	879	705	1,138	1,177	1,175	1,218	1,012	785	461	444	204	209
1988	Critical	286	430	736	933	881	873	788	624	304	423	370	296
1989	Dry	293	535	842	1,180	1,221	1,214	998	606	266	222	100	329
1990	Critical	388	478	725	977	1,070	1,022	858	665	291	479	377	294
1991	Critical	312	399	580	589	685	682	599	423	260	360	230	134
1992	Critical	121	243	362	482	578	714	577	366	146	145	181	100
1993	Above Normal	100	184	417	713	995	1,174	868	459	305	235	255	460
1994	Critical	554	574	1,063	1,202	1,303	1,318	1,089	758	193	189	100	134
1995	Wet	144	303	444	695	902	1,369	1,117	906	764	664	535	666
1996	Wet	544	520	699	775	1,169	1,498	1,180	820	465	362	404	589
1997	Wet	474	569	1,074	1,520	1,886	2,039	1,700	1,215	782	529	527	691
1998	Wet	656	565	1,016	1,009	1,334	1,685	1,478	1,180	1,128	1,037	913	1,062
1999	Wet	1,234	1,387	1,540	1,640	1,764	1,912	1,619	1,178	806	757	775	709
2000	Above Normal	621	643	1,065	1,012	1,229	1,529	1,244	807	441	244	254	466
2001	Dry	437	503	974	1,230	1,381	1,524	1,358	1,039	665	700	410	470
2002	Dry	496	731	1,099	1,320	1,524	1,603	1,306	899	442	458	213	400
2003	Above Normal	305	434	624	789	1,003	1,167	922	544	336	297	358	537

Change in Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 1 - Existing Condition (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	-23	-33	-41	-54	-142	-194	-228	-249	-270
1923	Below Normal	-277	-234	-247	-258	-268	-307	-358	-275	-112	-139	-183	-224
1924	Critical	-196	-269	-201	-242	-280	-298	-314	-335	-327	-521	-359	-284
1925	Dry	-370	-503	-689	-711	-727	-642	-630	-581	-512	-434	-365	-330
1926	Dry	-330	-317	-294	-292	-287	-297	-309	-338	-356	-383	-349	-378
1927	Wet	-337	-391	-435	-445	-446	-445	-437	-426	-388	-376	-362	-360
1928	Above Normal	-357	-356	-355	-351	-345	-341	-333	-333	-219	-261	-289	-306
1929	Critical	-316	-324	-327	-293	-263	-259	-272	-280	-299	-178	-47	1
1930	Dry	-19	-44	-216	-233	-237	-240	-238	-235	-152	-165	-177	-189
1931	Critical	-189	-190	-192	-196	-198	-201	-200	-199	-198	-210	-97	-2
1932	Dry	-2	-49	-193	-202	-202	-205	-206	-206	-206	-207	-66	-34
1933	Critical	-37	-40	-42	-46	-49	-48	-42	-34	-25	-40	-27	-32
1934	Critical	-14	-24	-16	-12	-13	-18	-24	-32	-43	-54	9	9
1935	Below Normal	-28	-55	-78	-81	-83	-86	-91	-96	-30	-52	-77	-97
1936	Below Normal	-96	-95	-108	-105	-80	0	-29	-91	-89	-87	-86	-65
1937	Below Normal	-60	-60	-58	-57	0	0	-19	-60	-118	-117	-124	-122
1938	Wet	-120	-118	-116	-26	0	0	-29	-310	-268	-245	-199	-142
1939	Dry	-129	-96	-115	-113	-111	-104	-85	-80	-79	-60	0	-4
1940	Above Normal	-2	24	9	22	34	34	30	-11	-19	-30	-18	6
1941	Wet	4	-7	-9	-12	-24	-19	-17	-26	-25	-19	-15	-13
1942	Wet	-10	-6	-5	-23	-35	-33	-32	-29	-29	-24	-18	12
1943	Wet	13	15	16	-51	-69	-79	-104	-128	-123	-117	-111	-111
1944	Dry	-105	-68	-67	-39	-14	-5	-4	-2	1	-1	5	6
1945	Below Normal	7	8	10	11	-63	-27	-24	-20	-14	-6	-1	4
1946	Below Normal	-14	-13	-14	-24	-13	-12	-11	-9	-5	-1	2	0
1947	Dry	0	1	0	1	1	1	2	1	-1	-3	-6	-8
1948	Below Normal	-7	-6	-6	-3	0	1	1	-2	-1	-1	-1	-1
1949	Dry	-1	0	-1	0	0	0	0	0	-1	-2	-2	-2
1950	Below Normal	-5	-5	-5	-3	-1	-1	-1	-1	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	-4	-5	-38	-80	-115	-152	-142	-131	-89
1953	Wet	-85	15	0	-50	-48	-27	8	14	21	33	40	43
1954	Above Normal	49	43	41	34	28	20	18	13	4	1	-2	-4
1955	Dry	-3	-4	-5	-6	-6	-6	-5	-3	0	3	5	-3
1956	Wet	-2	-3	-70	-36	-30	0	0	0	0	-1	-1	1
1957	Above Normal	1	0	0	0	0	0	0	0	0	1	1	1
1958	Wet	0	0	0	0	0	0	-44	-73	-77	-65	-57	-54
1959	Below Normal	-52	-41	-39	-36	-32	-26	-41	-35	-2	3	7	7
1960	Dry	7	6	7	6	7	8	7	7	0	3	0	3
1961	Dry	10	11	12	9	5	4	4	3	3	2	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	-7	-7	-6	-5	-3	-1	0	-1
1964	Dry	0	0	1	1	2	1	1	1	1	0	0	0
1965	Wet	1	1	1	-19	-47	-44	-43	-36	-22	-9	-2	1
1966	Below Normal	2	-2	0	3	8	8	-11	-9	-6	-2	1	-2
1967	Wet	0	0	1	2	-4	-9	-51	-85	-108	-183	-181	-177
1968	Below Normal	-183	-49	-41	-40	-40	-40	-37	-37	-39	-46	-47	-46
1969	Wet	-63	-55	-50	-71	0	0	-32	0	1	1	1	13
1970	Wet	13	14	15	15	0	0	5	4	3	2	1	1
1971	Wet	-1	-2	-2	-3	-3	-3	-3	-2	0	0	1	1
1972	Below Normal	1	1	1	1	0	0	0	0	0	1	1	1
1973	Above Normal	1	1	1	0	0	0	0	-63	-68	-67	-67	0
1974	Wet	-43	-43	-43	-82	-85	-80	-98	-94	-78	-60	-39	0
1975	Wet	8	8	13	19	25	29	26	22	16	11	6	3
1976	Critical	5	3	1	-2	-4	-5	-4	-2	-1	1	2	4
1977	Critical	2	3	4	3	3	3	-1	-1	-1	-1	-1	-1
1978	Above Normal	-1	-1	-1	-1	-54	-89	-120	-152	-218	-289	-278	-270
1979	Below Normal	-260	-161	-148	-112	-54	-2	-30	-79	-77	-74	-72	-19
1980	Above Normal	17	36	35	-92	0	0	10	22	28	-63	-34	202
1981	Dry	184	82	92	91	94	17	15	14	-12	-8	1	-5
1982	Wet	-3	-5	-6	-4	-36	0	0	-45	-76	-75	-75	-75
1983	Wet	-78	-127	-73	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-134	0	-19	-46	-57	-57	20	-47
1987	Dry	-52	-39	-39	-39	-39	-39	-34	-28	-19	-21	-16	-11
1988	Critical	-8	-5	-4	-3	-1	-1	0	0	1	1	1	2
1989	Dry	2	2	2	2	3	3	3	3	4	5	0	-2
1990	Critical	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1991	Critical	-2	-2	-2	-2	-2	-2	-2	0	0	0	-1	-1
1992	Critical	-2	0	-1	-3	-3	-3	-3	-3	-2	0	0	0
1993	Above Normal	0	0	-3	-3	-6	-7	-6	-6	-2	-2	-2	-2
1994	Critical	-2	-2	-2	-1	1	1	1	1	1	0	0	0
1995	Wet	0	0	0	0	-19	-52	-73	-391	-429	-406	-388	-382
1996	Wet	-379	-284	-281	-163	-72	-88	-92	-90	-76	-52	-7	3
1997	Wet	5	8	4	9	13	0	-1	-5	-8	-15	-10	-10
1998	Wet	-11	-11	-12	-12	-38	-39	-54	-64	-28	11	47	66
1999	Wet	-10	-9	-7	4	9	9	17	15	12	8	5	-10
2000	Above Normal	-8	-6	-7	-8	-14	-15	-13	-13	-13	-15	-15	-15
2001	Dry	-14	-12	-17	-10	-3	-2	-3	-4	-6	3	-3	-4
2002	Dry	-5	-5	-6	-6	-6	-6	-5	-5	-3	-2	-6	3
2003	Above Normal	3	-1	4	2	-1	-1	-1	-1	-1	0	0	1

Simulated Friant-Kern Canal Diversions (Node D18A)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	2,163	3,085	3,622	4,436	3,653	3,199	1,789	626	161	107	1,096	1,294
1923	Above Normal	848	1,718	2,157	3,070	3,227	2,828	1,585	560	150	96	96	717
1924	Critical	296	373	525	1,119	1,395	853	508	377	169	16	16	200
1925	Below Normal	626	1,141	1,583	2,309	2,424	2,193	1,175	428	127	74	74	420
1926	Dry	603	1,097	1,695	2,184	2,294	2,076	1,114	408	124	71	71	553
1927	Above Normal	891	1,744	3,408	4,329	3,289	2,882	1,615	570	151	98	98	731
1928	Below Normal	670	1,350	2,029	2,351	2,534	2,231	1,226	444	130	77	77	438
1929	Critical	393	494	702	1,527	1,909	1,149	671	495	210	16	16	265
1930	Critical	387	486	690	1,500	1,874	1,129	661	488	207	16	16	261
1931	Critical	210	267	372	768	954	598	368	275	0	16	16	138
1932	Above Normal	923	1,814	2,303	4,247	3,451	3,023	1,693	595	156	102	102	794
1933	Dry	607	1,105	1,532	2,236	2,347	2,124	1,139	416	125	72	72	407
1934	Critical	334	421	594	1,277	1,593	967	571	423	185	16	16	225
1935	Above Normal	854	1,665	2,098	4,151	3,102	2,719	1,526	541	146	93	93	481
1936	Above Normal	1,170	1,639	3,315	3,295	3,130	2,743	1,539	545	147	94	94	390
1937	Wet	508	1,356	1,912	4,121	3,071	2,692	1,511	536	146	629	1,292	1,908
1938	Wet	326	782	1,687	4,462	4,487	3,581	2,208	897	278	220	560	1,094
1939	Dry	788	2,299	1,382	2,011	2,113	1,913	1,030	381	119	66	66	353
1940	Above Normal	809	1,568	3,165	3,410	2,876	2,522	1,418	506	140	87	87	573
1941	Wet	2,206	3,161	2,485	4,446	3,986	3,391	2,093	853	266	209	1,409	1,916
1942	Wet	957	3,003	3,384	4,431	3,622	3,172	1,774	625	160	106	102	2,033
1943	Wet	508	1,464	3,357	3,338	3,203	2,807	1,574	557	149	95	95	712
1944	Below Normal	664	1,339	1,682	2,391	2,576	2,268	1,246	451	131	78	78	390
1945	Above Normal	942	1,856	3,267	4,211	3,550	3,110	1,740	610	158	783	1,304	976
1946	Above Normal	816	1,622	2,975	2,801	2,944	2,581	1,451	517	142	89	186	1,049
1947	Dry	613	1,117	1,714	2,227	2,338	2,115	1,135	415	125	72	72	391
1948	Below Normal	503	912	1,264	1,842	1,936	1,754	948	355	114	62	62	339
1949	Below Normal	576	1,047	1,452	2,116	2,222	2,011	1,081	398	122	69	69	386
1950	Below Normal	646	1,299	1,630	2,316	2,495	2,198	1,208	439	122	1,276	1,276	1,632
1951	Above Normal	681	1,373	1,723	2,449	2,638	2,323	1,275	460	132	79	79	1,640
1952	Wet	706	1,735	1,742	4,450	3,792	3,405	2,101	856	267	210	922	1,090
1953	Below Normal	699	1,411	1,772	2,519	2,714	2,389	1,310	471	134	81	81	468
1954	Below Normal	620	1,130	1,567	2,284	2,398	2,170	1,163	424	126	73	73	415
1955	Dry	599	1,090	1,512	2,205	2,315	2,095	1,124	411	124	70	70	1,588
1956	Wet	1,726	3,083	3,403	4,240	3,851	3,372	1,883	656	166	112	112	885
1957	Below Normal	722	1,457	1,830	2,603	2,737	2,401	1,352	485	137	84	84	632
1958	Wet	921	1,609	2,436	4,448	3,774	3,389	2,092	852	266	209	209	889
1959	Dry	942	1,080	1,463	2,130	2,237	2,025	1,088	400	122	69	69	375
1960	Critical	369	465	658	1,426	1,781	1,076	631	466	200	16	16	249
1961	Critical	306	386	543	1,163	1,450	885	526	390	173	16	16	207
1962	Below Normal	877	1,760	2,229	3,259	3,326	2,914	1,633	575	152	99	99	1,934
1963	Above Normal	963	1,900	2,422	3,926	3,653	3,199	1,789	626	161	107	107	811
1964	Dry	560	1,018	1,410	2,055	2,158	1,954	1,051	388	120	67	1,267	1,575
1965	Wet	967	1,964	2,467	3,514	3,692	3,233	1,807	632	162	108	1,026	988
1966	Below Normal	694	1,888	2,488	2,353	2,470	2,235	1,197	435	128	70	477	1,605
1967	Wet	2,435	1,116	1,555	4,204	4,482	3,626	2,520	1,720	551	485	485	1,787
1968	Dry	495	897	1,241	1,805	1,897	1,718	930	349	113	61	61	332
1969	Wet	636	541	1,223	2,994	4,480	3,423	2,238	1,529	495	430	1,454	1,748
1970	Above Normal	1,134	1,507	1,893	2,691	2,830	2,481	1,396	499	139	86	86	653
1971	Below Normal	695	1,402	1,761	2,503	2,697	2,374	1,302	469	134	81	81	449
1972	Dry	559	1,017	1,408	2,051	2,154	1,950	1,050	387	120	67	67	375
1973	Above Normal	841	2,761	1,956	4,089	3,037	2,662	1,495	531	145	109	1,291	1,191
1974	Wet	1,956	2,910	3,360	4,138	3,208	2,811	1,576	557	149	96	96	739
1975	Wet	881	1,722	3,226	4,280	3,238	2,837	1,591	562	150	96	96	720
1976	Critical	426	534	759	1,654	2,068	1,241	722	532	223	16	16	286
1977	Critical	173	221	305	617	763	476	307	231	0	16	16	119
1978	Wet	846	1,143	1,881	4,326	4,486	3,717	2,428	1,658	533	467	1,452	2,009
1979	Above Normal	1,491	1,631	3,252	3,617	3,024	2,651	1,489	529	144	91	80	377
1980	Wet	895	2,230	3,249	4,460	4,486	3,560	2,195	892	277	219	391	1,154
1981	Dry	661	1,331	1,670	2,372	2,556	2,251	1,236	448	130	77	77	1,642
1982	Wet	2,307	541	2,927	4,461	3,969	3,563	2,197	2,093	1,477	151	112	568
1983	Wet	91	956	1,480	2,351	4,467	3,870	2,873	1,959	1,393	521	1,753	2,042
1984	Above Normal	1,257	1,738	2,183	3,105	3,263	2,860	1,603	566	151	97	97	751
1985	Dry	624	1,137	1,582	2,293	2,407	2,178	1,167	425	126	74	74	390
1986	Wet	465	3,033	3,530	4,429	3,498	3,064	1,715	602	157	103	103	804
1987	Critical	500	906	1,253	1,822	1,914	1,734	938	351	114	61	61	323
1988	Critical	389	489	693	1,507	1,883	1,134	663	490	208	16	16	262
1989	Critical	409	514	730	1,590	1,987	1,195	696	514	216	16	16	275
1990	Critical	316	399	562	1,205	1,503	915	543	402	178	16	16	214
1991	Critical	440	553	787	1,724	2,156	1,292	750	552	230	16	16	287
1992	Critical	384	483	684	1,483	1,852	1,117	654	482	205	16	16	791
1993	Wet	2,190	3,107	3,505	4,440	3,790	3,319	1,854	647	165	111	111	871
1994	Critical	558	1,014	1,404	2,044	2,147	1,944	1,046	386	120	67	657	1,574
1995	Wet	1,036	2,631	2,029	4,076	4,468	3,874	2,876	1,962	622	553	553	2,337
1996	Wet	829	2,935	3,396	4,309	3,268	2,864	1,605	567	151	91	91	658
1997	Wet	1,970	1,881	3,281	2,808	2,952	2,588	1,454	518	142	89	89	390
1998	Wet	902	566	1,578	2,573	4,481	3,577	2,657	1,813	578	511	511	1,953
1999	Above Normal	754	1,524	1,914	2,722	2,861	2,509	1,411	504	140	87	87	637
2000	Above Normal	825	1,601	3,209	3,403	2,953	2,589	1,455	518	142	89	89	681
2001	Dry	592	1,077	1,493	2,175	2,284	2,067	1,110	407	123	71	71	396
2002	Dry	553	1,005	1,392	2,025	2,127	1,926	1,037	383	119	67	67	370
2003	Below Normal	655	1,320	1,658	2,355	2,538	2,235	1,228	n/a	n/a	n/a	n/a	n/a

Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 1 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,306	1,367	2,095	3,090	3,887	3,635	2,700	1,842	587	519	519	1,985
1923	Above Normal	918	1,864	2,342	3,337	3,506	3,071	1,719	603	157	103	103	779
1924	Critical	290	367	515	1,099	1,369	838	500	371	167	16	16	196
1925	Below Normal	601	1,094	1,516	2,210	2,320	2,099	1,127	412	124	71	71	402
1926	Dry	588	1,070	1,479	2,154	2,261	2,047	1,099	403	123	70	70	393
1927	Above Normal	911	1,849	2,323	3,308	3,476	3,045	1,704	599	156	102	102	772
1928	Below Normal	632	1,150	1,595	2,325	2,441	2,208	1,183	430	127	74	74	422
1929	Critical	392	493	700	1,521	1,900	1,144	669	494	209	16	16	264
1930	Critical	379	476	674	1,465	1,830	1,104	647	477	204	16	16	255
1931	Critical	202	258	356	733	909	572	354	265	0	16	16	133
1932	Above Normal	876	1,777	2,234	3,181	3,343	2,929	1,641	578	153	99	99	769
1933	Dry	591	1,075	1,491	2,179	2,288	2,070	1,112	407	123	71	71	397
1934	Critical	325	409	576	1,239	1,546	940	556	412	181	16	16	219
1935	Above Normal	804	1,630	2,046	2,910	3,059	2,681	1,505	534	145	92	92	472
1936	Above Normal	913	1,814	2,328	3,313	3,481	3,050	1,707	599	156	103	103	390
1937	Wet	717	879	1,644	3,019	3,807	3,590	2,346	1,602	516	451	451	2,920
1938	Wet	395	1,153	1,869	4,168	4,474	3,998	2,968	2,023	641	571	571	2,186
1939	Dry	815	1,649	2,070	2,951	3,102	2,718	1,526	541	146	93	80	394
1940	Above Normal	814	1,647	2,068	2,941	3,092	2,710	1,521	539	146	93	93	622
1941	Wet	1,268	1,326	1,964	3,001	3,775	3,531	2,623	1,790	572	504	504	1,927
1942	Wet	1,269	1,328	2,034	3,003	3,777	3,533	2,624	1,791	572	505	399	1,929
1943	Wet	273	981	1,888	3,133	3,951	3,725	2,433	1,661	534	468	468	1,724
1944	Below Normal	670	1,351	1,698	2,415	2,602	2,291	1,258	455	131	78	78	390
1945	Above Normal	1,014	1,662	2,011	3,691	3,781	3,395	2,095	853	267	209	209	891
1946	Above Normal	852	1,727	2,170	3,088	3,246	2,844	1,594	563	150	97	97	747
1947	Dry	608	1,108	1,536	2,239	2,351	2,127	1,141	417	125	72	72	393
1948	Below Normal	500	908	1,257	1,830	1,923	1,742	942	353	114	62	62	337
1949	Below Normal	566	1,029	1,425	2,075	2,179	1,973	1,061	391	121	68	68	379
1950	Below Normal	611	1,113	1,541	2,247	2,359	2,134	1,145	418	122	72	72	409
1951	Above Normal	926	1,881	2,366	3,374	3,545	3,105	1,737	609	158	104	104	787
1952	Wet	996	1,087	1,860	3,052	3,748	3,748	2,783	1,898	604	535	535	2,048
1953	Below Normal	780	1,578	1,983	2,828	2,973	2,606	1,464	521	143	90	90	685
1954	Below Normal	598	1,089	1,508	2,196	2,306	2,087	1,120	410	124	71	71	400
1955	Dry	586	1,067	1,481	2,161	2,269	2,053	1,103	405	123	70	70	380
1956	Wet	1,378	1,440	2,207	2,848	3,569	3,835	2,848	1,942	617	548	548	2,096
1957	Below Normal	808	1,637	2,059	2,934	3,084	2,703	1,517	538	146	92	92	711
1958	Wet	1,129	891	1,857	3,036	3,901	3,664	2,546	1,738	556	490	490	1,870
1959	Dry	612	1,114	1,543	2,254	2,367	2,141	1,148	419	125	73	73	396
1960	Critical	365	459	649	1,405	1,754	1,060	622	460	198	16	16	246
1961	Critical	297	376	529	1,131	1,409	861	513	380	170	16	16	201
1962	Below Normal	808	1,637	2,056	2,925	3,075	2,695	1,513	537	146	92	92	708
1963	Above Normal	952	1,934	2,432	3,467	3,642	3,190	1,784	625	161	107	107	809
1964	Dry	549	998	1,383	2,017	2,119	1,918	1,033	382	119	66	66	369
1965	Wet	1,024	1,680	2,033	3,732	3,823	3,432	2,118	862	269	211	211	900
1966	Below Normal	700	1,412	1,771	2,518	2,713	2,388	1,309	471	134	70	81	468
1967	Wet	1,436	1,338	1,901	2,968	3,721	3,998	2,968	2,023	641	571	571	2,111
1968	Dry	790	1,599	2,010	2,865	3,012	2,640	1,483	527	144	91	80	390
1969	Wet	949	793	1,769	2,869	4,476	3,998	2,968	2,023	641	571	571	2,186
1970	Above Normal	1,070	1,755	1,716	3,059	3,795	3,386	2,214	1,513	490	425	425	1,621
1971	Below Normal	659	1,328	1,668	2,374	2,558	2,253	1,238	448	130	77	77	427
1972	Dry	551	999	1,386	2,021	2,123	1,922	1,035	383	119	66	66	370
1973	Above Normal	882	1,789	2,145	3,210	3,374	2,956	1,656	583	154	100	100	776
1974	Wet	1,102	1,155	1,765	3,142	3,898	3,477	2,273	1,553	502	437	437	1,665
1975	Wet	893	1,811	2,279	3,244	3,409	2,986	1,672	588	155	101	101	757
1976	Critical	419	526	748	1,633	2,042	1,226	714	526	220	16	16	282
1977	Critical	167	213	293	591	730	418	297	224	0	16	16	115
1978	Wet	1,084	1,406	2,292	2,968	3,721	3,998	2,968	2,023	641	571	571	2,186
1979	Above Normal	1,278	1,324	2,032	3,145	3,797	3,551	2,638	1,800	575	507	123	1,316
1980	Wet	1,237	1,501	2,301	3,869	3,721	3,998	2,968	2,023	641	571	571	2,186
1981	Dry	843	1,709	2,147	3,059	3,215	2,817	1,580	558	149	96	96	740
1982	Wet	1,436	878	2,301	2,968	3,721	3,998	2,968	2,023	641	503	270	1,362
1983	Wet	128	1,028	1,578	2,446	4,476	3,998	2,968	2,023	641	539	1,771	2,111
1984	Above Normal	1,310	1,372	2,101	3,101	3,901	3,649	2,710	1,849	589	521	521	1,993
1985	Dry	682	1,375	1,725	2,451	2,641	2,325	1,276	460	133	79	79	390
1986	Wet	853	1,428	2,200	3,366	3,600	3,868	2,872	1,958	621	553	553	2,114
1987	Critical	613	1,117	1,547	2,257	2,370	2,144	1,150	420	126	73	73	397
1988	Critical	383	482	683	1,485	1,855	1,118	654	483	206	16	16	258
1989	Critical	402	505	715	1,557	1,946	1,171	683	504	213	16	16	270
1990	Critical	309	390	548	1,176	1,466	894	531	393	175	16	16	209
1991	Critical	433	544	773	1,690	2,114	1,268	737	543	226	16	16	281
1992	Critical	375	471	665	1,441	1,799	1,086	637	470	201	16	16	251
1993	Wet	1,155	1,210	1,850	3,068	3,868	3,648	2,383	1,627	524	458	458	1,748
1994	Critical	550	998	1,382	2,016	2,117	1,917	1,033	382	119	66	66	369
1995	Wet	1,095	1,501	2,125	3,416	4,476	3,998	2,968	2,023	641	571	571	2,111
1996	Wet	1,267	2,514	3,318	4,089	3,717	3,717	2,760	1,883	599	305	123	1,937
1997	Wet	1,936	1,521	3,252	2,975	3,741	3,499	2,600	1,774	567	500	500	1,246
1998	Wet	1,048	730	1,828	2,500	4,476	3,998	2,968	2,023	641	571	571	2,186
1999	Above Normal	1,085	1,138	1,740	3,101	3,847	3,432	2,244	1,533	496	431	431	1,587
2000	Above Normal	814	1,647	2,069	2,943	3,094	2,712	1,522	540	146	93	93	713
2001	Dry	586	1,065	1,477	2,150	2,257	2,043	1,098	403	123	70	70	392
2002	Dry	545	990	1,369	1,994	2,094	1,896	1,022	378	118	66	66	365
2003	Below Normal	618	1,126	1,563	2,278	2,391	2,164	1,160	n/a	n/a	n/a	n/a	n/a

Change in Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-856	-1,718	-1,527	-1,346	234	436	911	1,216	426	412	-576	691
1923	Above Normal	70	146	185	267	280	244	133	43	7	7	7	61
1924	Critical	-6	-7	-10	-21	-26	-15	-8	-6	-2	0	0	-3
1925	Below Normal	-26	-47	-67	-99	-104	-93	-48	-16	-3	-3	-3	-17
1926	Dry	-15	-27	-216	-31	-32	-29	-15	-5	-1	-1	-1	-160
1927	Above Normal	20	104	-1,085	-1,021	187	163	89	29	5	5	5	41
1928	Below Normal	-38	-200	-435	-26	-93	-23	-43	-14	-2	-2	-2	-15
1929	Critical	-1	-1	-2	-7	-8	-5	-3	-2	-1	0	0	-1
1930	Critical	-8	-10	-16	-35	-44	-25	-14	-10	-3	0	0	-6
1931	Critical	-8	-10	-16	-36	-45	-26	-14	-10	0	0	0	-6
1932	Above Normal	-47	-37	-70	-1,067	-109	-95	-52	-17	-3	-3	-3	-25
1933	Dry	-16	-30	-41	-57	-60	-54	-28	-9	-2	-1	-1	-10
1934	Critical	-9	-12	-18	-38	-47	-27	-15	-11	-4	0	0	-6
1935	Above Normal	-50	-35	-52	-1,241	-43	-38	-21	-7	-1	-1	-1	-9
1936	Above Normal	-258	174	-986	18	351	306	167	54	9	9	9	0
1937	Wet	209	-477	-268	-1,102	737	898	835	1,066	371	-178	-841	1,012
1938	Wet	69	371	181	-294	-13	418	760	1,126	363	351	11	1,093
1939	Dry	26	-650	688	939	989	806	495	160	28	27	14	41
1940	Above Normal	4	78	-1,097	-469	215	188	103	33	6	6	6	49
1941	Wet	-938	-1,835	-521	-1,445	-211	139	530	937	305	295	-905	11
1942	Wet	313	-1,674	-1,350	-1,429	155	361	850	1,165	412	398	297	-104
1943	Wet	-235	-483	-1,470	-205	748	918	859	1,105	385	372	372	1,012
1944	Below Normal	6	12	17	24	26	22	12	4	1	1	1	0
1945	Above Normal	71	-194	-1,255	-521	231	285	355	243	108	-574	-1,095	-85
1946	Above Normal	36	105	-805	287	301	263	144	46	8	8	-89	-302
1947	Dry	-5	-9	-178	12	13	12	6	2	0	0	0	2
1948	Below Normal	-3	-5	-7	-12	-12	-11	-6	-2	0	0	0	-2
1949	Below Normal	-10	-19	-27	-41	-43	-39	-20	-6	-1	-1	-1	-7
1950	Below Normal	-36	-186	-89	-69	-137	-64	-64	-21	0	-1,203	-1,203	-1,223
1951	Above Normal	246	508	643	925	907	783	463	149	26	25	25	-852
1952	Wet	290	-648	117	-1,398	-44	343	682	1,043	336	326	-387	958
1953	Below Normal	80	167	212	309	259	217	154	50	9	8	8	217
1954	Below Normal	-22	-41	-59	-88	-92	-83	-43	-14	-2	-2	-2	-15
1955	Dry	-12	-23	-30	-44	-46	-41	-21	-7	-1	0	0	-1,207
1956	Wet	-349	-1,643	-1,196	-1,392	-282	463	964	1,286	450	436	436	1,211
1957	Below Normal	87	180	229	331	347	303	166	53	9	9	9	79
1958	Wet	208	-718	-579	-1,413	126	275	455	886	290	281	281	981
1959	Dry	-330	34	81	124	130	117	60	19	3	3	3	21
1960	Critical	-4	-5	-9	-21	-26	-15	-8	-6	-2	0	0	-3
1961	Critical	-8	-10	-15	-32	-41	-24	-13	-9	-3	0	0	-5
1962	Below Normal	-69	-123	-174	-334	-251	-219	-120	-39	-7	-6	-6	-1,226
1963	Above Normal	-10	34	11	-460	-11	-9	-5	0	0	0	0	-2
1964	Dry	-11	-20	-28	-37	-39	-35	-18	-6	-1	-1	-1,201	-1,206
1965	Wet	57	-284	-434	218	130	199	310	230	107	103	-814	-87
1966	Below Normal	6	-476	-717	165	243	153	113	36	6	0	-395	-1,137
1967	Wet	-999	223	347	-1,236	-762	372	448	303	90	87	87	324
1968	Dry	295	702	769	1,060	1,115	922	553	178	31	30	19	58
1969	Wet	313	251	546	-125	-4	575	730	494	146	141	-883	438
1970	Above Normal	-64	247	-177	368	965	904	818	1,014	351	339	339	968
1971	Below Normal	-36	-74	-92	-129	-139	-121	-65	-21	-4	-3	-3	-22
1972	Dry	-9	-17	-22	-30	-32	-28	-15	-5	-1	-1	-1	-5
1973	Above Normal	41	-972	189	-879	337	294	161	52	9	-9	-1,191	-415
1974	Wet	-854	-1,755	-1,595	-996	690	666	697	996	352	341	341	927
1975	Wet	12	88	-948	-1,037	171	149	82	26	5	4	4	38
1976	Critical	-6	-8	-11	-21	-21	-15	-8	-6	-2	0	0	-3
1977	Critical	-6	-8	-12	-26	-32	-58	-10	-7	0	0	0	-4
1978	Wet	237	263	412	-1,358	-765	282	540	366	108	105	-881	177
1979	Above Normal	-213	-308	-1,221	-472	773	900	1,149	1,271	430	416	43	939
1980	Wet	342	-729	-948	-592	-765	438	772	1,131	364	352	180	1,032
1981	Dry	183	378	477	687	659	567	343	111	19	18	18	-901
1982	Wet	-871	337	-626	-1,493	-248	435	770	-69	-836	352	157	795
1983	Wet	36	71	98	95	9	129	95	64	-753	18	18	69
1984	Above Normal	54	-366	-82	-4	638	789	1,107	1,283	438	424	424	1,242
1985	Dry	58	238	144	158	234	147	109	35	6	6	6	0
1986	Wet	388	-1,606	-1,330	-1,064	102	804	1,157	1,356	464	450	450	1,310
1987	Critical	113	210	294	436	456	410	212	68	12	11	11	73
1988	Critical	-6	-7	-11	-22	-28	-16	-9	-6	-2	0	0	-4
1989	Critical	-7	-9	-15	-33	-41	-24	-13	-9	-3	0	0	-5
1990	Critical	-7	-8	-14	-30	-37	-22	-12	-9	-3	0	0	-5
1991	Critical	-7	-9	-14	-33	-42	-24	-13	-10	-3	0	0	-5
1992	Critical	-9	-12	-19	-42	-53	-30	-17	-12	-4	0	0	-540
1993	Wet	-1,035	-1,897	-1,655	-1,372	78	328	529	980	359	347	347	877
1994	Critical	-8	-16	-22	-28	-30	-27	-14	-4	-1	-1	-591	-1,205
1995	Wet	59	-1,130	95	-660	8	124	91	62	18	18	18	-226
1996	Wet	438	-422	-78	-220	449	853	1,155	1,316	448	214	32	1,278
1997	Wet	-34	-360	-29	167	789	911	1,145	1,256	425	411	411	855
1998	Wet	146	164	250	-73	-5	421	311	211	62	60	60	233
1999	Above Normal	331	-387	-174	379	985	923	833	1,029	356	344	344	949
2000	Above Normal	-11	46	-1,140	-460	141	123	67	22	4	4	4	32
2001	Dry	-6	-12	-17	-25	-27	-24	-12	-4	-1	-1	-1	-4
2002	Dry	-8	-15	-22	-32	-33	-30	-15	-5	-1	-1	-1	-5
2003	Below Normal	-37	-194	-95	-77	-146	-71	-68	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Friant-Kern Canal Diversions (Node D18A)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-40%	-56%	-42%	-30%	6%	14%	51%	194%	265%	385%	-53%	53%
1923	Above Normal	8%	8%	9%	9%	9%	9%	8%	8%	5%	7%	7%	9%
1924	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%
1925	Below Normal	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-2%	-4%	-4%	-4%
1926	Dry	-2%	-2%	-13%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-29%
1927	Above Normal	2%	6%	-32%	-24%	6%	6%	6%	5%	3%	5%	5%	6%
1928	Below Normal	-6%	-15%	-21%	-1%	-4%	-1%	-4%	-3%	-2%	-3%	-3%	-4%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1931	Critical	-4%	-4%	-4%	-5%	-5%	-4%	-4%	-4%	-	0%	0%	-4%
1932	Above Normal	-5%	-2%	-3%	-25%	-3%	-3%	-3%	-3%	-2%	-3%	-3%	-3%
1933	Dry	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-2%	-1%	-2%	-2%	-2%
1934	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-3%
1935	Above Normal	-6%	-2%	-2%	-30%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%
1936	Above Normal	-22%	11%	-30%	1%	11%	11%	11%	10%	6%	10%	10%	0%
1937	Wet	41%	-35%	-14%	-27%	24%	33%	55%	199%	255%	-28%	-65%	53%
1938	Wet	21%	47%	11%	-7%	0%	12%	34%	126%	130%	159%	2%	100%
1939	Dry	3%	-28%	50%	47%	47%	42%	48%	42%	23%	40%	22%	12%
1940	Above Normal	1%	5%	-35%	-14%	7%	7%	7%	7%	4%	6%	6%	9%
1941	Wet	-43%	-58%	-21%	-33%	-5%	4%	25%	110%	115%	141%	-64%	1%
1942	Wet	33%	-56%	-40%	-32%	4%	11%	48%	186%	257%	375%	293%	-5%
1943	Wet	-46%	-33%	-44%	-6%	23%	33%	55%	198%	258%	390%	390%	142%
1944	Below Normal	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%
1945	Above Normal	8%	-10%	-38%	-12%	6%	9%	20%	40%	68%	-73%	-84%	-9%
1946	Above Normal	4%	7%	-27%	10%	10%	10%	10%	9%	6%	9%	-48%	-29%
1947	Dry	-1%	-1%	-10%	1%	1%	1%	1%	0%	0%	0%	0%	1%
1948	Below Normal	-1%	0%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%
1950	Below Normal	-6%	-14%	-5%	-3%	-5%	-3%	-5%	-5%	0%	-94%	-94%	-75%
1951	Above Normal	36%	37%	37%	38%	34%	34%	36%	32%	19%	31%	31%	-52%
1952	Wet	41%	-37%	7%	-31%	-1%	10%	32%	122%	126%	155%	-42%	88%
1953	Below Normal	11%	12%	12%	12%	10%	9%	12%	11%	6%	10%	10%	46%
1954	Below Normal	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-3%	-2%	-3%	-3%	-4%
1955	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-76%
1956	Wet	-20%	-53%	-35%	-33%	-7%	14%	51%	196%	271%	389%	389%	137%
1957	Below Normal	12%	12%	13%	13%	13%	13%	12%	11%	7%	11%	11%	12%
1958	Wet	23%	-45%	-24%	-32%	3%	8%	22%	104%	109%	134%	134%	110%
1959	Dry	-35%	3%	6%	6%	6%	6%	6%	5%	3%	5%	5%	6%
1960	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%
1961	Critical	-3%	-2%	-3%	-3%	-3%	-3%	-2%	-2%	-2%	0%	0%	-3%
1962	Below Normal	-8%	-7%	-8%	-10%	-8%	-8%	-7%	-7%	-4%	-7%	-7%	-63%
1963	Above Normal	-1%	2%	0%	-12%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-95%	-77%
1965	Wet	6%	-14%	-18%	6%	4%	6%	17%	36%	66%	96%	-79%	-9%
1966	Below Normal	1%	-25%	-29%	7%	10%	7%	9%	8%	5%	0%	-83%	-71%
1967	Wet	-41%	20%	22%	-29%	-17%	10%	18%	18%	16%	18%	18%	18%
1968	Dry	60%	78%	62%	59%	59%	54%	59%	51%	27%	49%	32%	18%
1969	Wet	49%	46%	45%	-4%	0%	17%	33%	32%	30%	33%	-61%	25%
1970	Above Normal	-6%	16%	-9%	14%	34%	36%	59%	203%	252%	395%	395%	148%
1971	Below Normal	-5%	-5%	-5%	-5%	-5%	-5%	-5%	-4%	-3%	-4%	-3%	-5%
1972	Dry	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1973	Above Normal	5%	-35%	10%	-21%	11%	11%	11%	6%	-8%	-8%	-92%	-35%
1974	Wet	-44%	-60%	-47%	-24%	22%	24%	44%	179%	236%	357%	357%	125%
1975	Wet	1%	5%	-29%	-24%	5%	5%	5%	5%	3%	5%	5%	5%
1976	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%
1977	Critical	-4%	-4%	-4%	-4%	-4%	-12%	-3%	-3%	-	0%	0%	-3%
1978	Wet	28%	23%	22%	-31%	-17%	8%	22%	22%	20%	20%	-61%	9%
1979	Above Normal	-14%	-19%	-38%	-13%	26%	34%	77%	240%	298%	458%	53%	249%
1980	Wet	38%	-33%	-29%	-13%	-17%	12%	35%	127%	132%	161%	46%	89%
1981	Dry	28%	28%	29%	26%	26%	25%	28%	25%	15%	24%	24%	-55%
1982	Wet	-38%	62%	-21%	-33%	-6%	12%	35%	-3%	-57%	234%	140%	140%
1983	Wet	40%	7%	7%	4%	0%	3%	3%	3%	-54%	4%	1%	3%
1984	Above Normal	4%	-21%	-4%	0%	20%	28%	69%	227%	291%	437%	437%	165%
1985	Dry	9%	21%	9%	7%	10%	7%	9%	8%	5%	8%	8%	0%
1986	Wet	83%	-53%	-38%	-24%	3%	26%	67%	225%	296%	436%	436%	163%
1987	Critical	23%	23%	23%	24%	24%	24%	23%	19%	10%	19%	19%	23%
1988	Critical	-1%	-1%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1990	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%
1992	Critical	-2%	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-68%
1993	Wet	-47%	-61%	-47%	-31%	2%	10%	29%	152%	218%	314%	314%	101%
1994	Critical	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-90%	-77%
1995	Wet	6%	-43%	5%	-16%	0%	3%	3%	3%	3%	3%	3%	-10%
1996	Wet	53%	-14%	-2%	-5%	14%	30%	72%	232%	297%	235%	35%	194%
1997	Wet	-2%	-19%	-1%	6%	27%	35%	79%	243%	298%	461%	461%	219%
1998	Wet	16%	29%	16%	-3%	0%	12%	12%	12%	11%	12%	12%	12%
1999	Above Normal	44%	-25%	-9%	14%	34%	37%	59%	204%	254%	397%	397%	149%
2000	Above Normal	-1%	3%	-36%	-14%	5%	5%	5%	4%	3%	4%	4%	5%
2001	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2002	Dry	-1%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
2003	Below Normal	-6%	-15%	-6%	-3%	-6%	-3%	-6%	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	513	972	1,250	1,226	1,064	400	48	5	0	10	5
1923	Above Normal	123	340	649	899	1,051	911	339	41	7	0	0	0
1924	Critical	0	0	130	363	444	308	45	0	0	0	0	0
1925	Below Normal	0	0	270	813	988	681	109	0	0	0	0	0
1926	Dry	0	0	284	750	912	629	100	0	0	0	0	6
1927	Above Normal	126	347	869	1,122	1,078	935	349	41	2	0	0	1
1928	Below Normal	0	0	351	866	1,052	725	117	0	0	0	0	0
1929	Critical	0	0	169	489	595	412	63	0	0	0	0	0
1930	Critical	0	0	166	480	585	405	61	0	0	0	0	0
1931	Critical	0	0	96	256	313	143	107	0	0	0	0	0
1932	Above Normal	133	366	706	1,140	1,144	993	372	47	16	0	0	0
1933	Dry	0	0	258	776	943	651	104	0	0	0	0	0
1934	Critical	0	0	145	412	502	349	52	0	0	0	0	0
1935	Above Normal	67	119	668	1,113	1,067	925	345	50	0	0	0	59
1936	Above Normal	62	340	908	918	1,011	877	326	34	6	0	0	99
1937	Wet	34	522	852	1,117	987	855	317	38	0	5	27	0
1938	Wet	0	235	1,144	1,250	1,250	1,221	462	35	26	0	3	26
1939	Dry	29	201	231	687	835	577	91	0	0	0	0	0
1940	Above Normal	83	303	824	1,178	1,250	933	145	0	0	0	0	140
1941	Wet	0	24	1,061	1,250	1,250	1,143	431	35	15	0	49	11
1942	Wet	78	576	917	1,231	1,213	1,053	395	48	5	0	146	31
1943	Wet	175	403	913	939	1,041	903	336	41	5	0	0	0
1944	Below Normal	0	0	293	886	1,076	742	119	0	0	0	0	190
1945	Above Normal	112	379	883	1,159	1,191	1,034	388	48	5	7	22	16
1946	Above Normal	117	314	759	799	935	810	300	36	0	0	1	31
1947	Dry	0	0	289	771	937	647	103	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	241	720	875	604	96	0	0	0	0	0
1950	Below Normal	0	0	281	848	1,029	710	114	0	0	217	78	65
1951	Above Normal	0	0	302	916	1,113	767	124	0	0	0	0	0
1952	Wet	3	282	1,071	1,250	1,250	1,195	451	67	10	0	7	15
1953	Below Normal	0	0	313	953	1,157	797	129	0	0	0	0	0
1954	Below Normal	0	0	266	801	972	671	107	0	0	0	0	0
1955	Dry	0	0	253	760	924	638	101	0	0	146	291	26
1956	Wet	237	593	939	1,215	1,250	1,172	442	59	16	0	0	0
1957	Below Normal	0	0	327	996	1,209	834	135	0	0	0	0	0
1958	Wet	68	7	1,078	1,250	1,250	1,184	447	66	21	0	0	0
1959	Dry	57	4	243	725	881	608	96	0	0	0	0	0
1960	Critical	0	0	159	458	558	387	58	0	0	0	0	0
1961	Critical	0	0	134	377	460	320	47	0	0	0	0	0
1962	Below Normal	94	354	682	957	1,100	954	356	44	7	0	0	49
1963	Above Normal	146	388	751	1,125	1,226	1,064	400	42	6	0	0	1
1964	Dry	0	0	234	700	850	587	93	0	0	0	41	76
1965	Wet	147	405	768	1,064	1,242	1,078	405	49	5	0	9	6
1966	Below Normal	0	81	428	835	1,015	700	112	0	0	0	4	49
1967	Wet	233	17	1,250	1,250	1,250	1,250	813	257	15	11	9	55
1968	Dry	0	0	209	617	750	518	81	0	0	0	0	147
1969	Wet	7	325	1,159	1,250	1,250	1,156	646	70	19	0	10	4
1970	Above Normal	38	0	341	1,042	1,250	884	144	0	0	0	0	0
1971	Below Normal	0	0	311	945	1,147	791	128	0	0	0	0	0
1972	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1973	Above Normal	24	510	805	1,059	973	843	313	33	1	1	84	21
1974	Wet	226	516	850	1,073	1,043	904	337	41	5	0	0	0
1975	Wet	53	347	843	1,119	1,074	931	347	44	7	0	0	0
1976	Critical	0	0	181	528	643	445	68	0	0	0	0	0
1977	Critical	0	0	82	209	257	49	158	0	0	0	0	53
1978	Wet	5	10	1,250	1,250	1,250	1,250	735	171	10	0	10	2
1979	Above Normal	24	317	865	951	968	838	311	38	0	0	186	234
1980	Wet	40	718	1,074	1,250	1,250	1,213	458	59	21	0	1	31
1981	Dry	0	0	290	877	1,065	734	118	0	0	0	0	77
1982	Wet	10	140	1,174	1,250	1,250	1,250	542	241	92	232	249	11
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	239	79	37
1984	Above Normal	192	345	659	912	1,066	924	345	42	1	0	0	0
1985	Dry	0	0	269	805	978	675	108	0	0	0	0	252
1986	Wet	156	508	915	1,243	1,162	1,008	378	47	16	0	0	0
1987	Critical	0	0	211	622	757	523	82	0	0	0	0	0
1988	Critical	0	0	167	483	588	407	62	0	0	0	0	0
1989	Critical	0	0	175	508	619	428	65	0	0	0	0	0
1990	Critical	0	0	138	390	476	330	48	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	165	475	579	401	61	0	0	0	0	22
1993	Wet	68	542	961	1,250	1,250	1,164	439	60	5	0	0	0
1994	Critical	0	0	234	696	846	584	92	0	0	0	6	46
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,113	433	26	9	7	39
1996	Wet	148	519	910	1,124	1,068	926	345	38	2	148	715	135
1997	Wet	269	360	867	802	938	813	301	36	0	0	0	166
1998	Wet	0	96	1,250	1,250	1,250	1,250	928	204	54	42	34	56
1999	Above Normal	0	0	346	1,058	1,250	914	149	0	0	0	0	0
2000	Above Normal	23	317	806	901	938	813	301	7	9	4	3	3
2001	Dry	0	0	249	746	906	625	99	0	0	0	0	0
2002	Dry	0	0	232	690	839	579	91	0	0	0	0	0
2003	Below Normal	0	0	287	868	1,054	727	117	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Alternative 1 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	516	1,169	1,250	1,250	1,250	1,250	285	71	68	68	76
1923	Above Normal	137	379	720	998	1,165	1,012	379	47	16	0	0	0
1924	Critical	0	0	128	357	436	303	44	0	0	0	0	0
1925	Below Normal	0	0	254	763	927	640	102	0	0	0	0	0
1926	Dry	0	0	246	735	893	616	98	0	0	0	0	0
1927	Above Normal	128	375	714	989	1,155	1,002	375	44	6	0	0	0
1928	Below Normal	0	0	272	821	998	688	110	0	0	0	0	0
1929	Critical	0	0	168	487	593	411	62	0	0	0	0	0
1930	Critical	0	0	163	470	572	397	60	0	0	0	0	0
1931	Critical	0	0	93	245	300	104	138	0	0	0	0	0
1932	Above Normal	127	356	678	940	1,099	953	356	43	7	0	0	0
1933	Dry	0	0	248	747	908	627	100	0	0	0	0	0
1934	Critical	0	0	141	400	488	339	50	0	0	0	0	0
1935	Above Normal	65	117	646	894	1,045	906	338	49	0	0	0	0
1936	Above Normal	30	384	731	1,011	1,181	1,025	384	41	18	1	1	0
1937	Wet	10	555	959	1,250	1,250	1,250	886	235	13	0	0	0
1938	Wet	0	235	1,250	1,250	1,250	1,250	1,180	164	82	57	46	89
1939	Dry	117	321	615	855	999	866	322	39	0	0	0	0
1940	Above Normal	83	324	620	858	1,003	870	323	40	0	0	0	0
1941	Wet	0	24	1,201	1,250	1,250	1,250	1,250	148	71	68	68	76
1942	Wet	178	618	1,080	1,250	1,250	1,250	1,250	340	71	58	46	81
1943	Wet	159	584	983	1,250	1,250	1,250	959	249	13	0	0	0
1944	Below Normal	0	0	296	899	1,091	753	121	0	0	0	0	0
1945	Above Normal	121	434	821	1,137	1,250	1,201	454	69	10	0	0	0
1946	Above Normal	124	342	654	906	1,058	918	342	41	1	0	0	0
1947	Dry	0	0	259	778	945	652	104	0	0	0	0	0
1948	Below Normal	0	0	211	625	760	525	82	0	0	0	0	0
1949	Below Normal	0	0	237	706	858	593	94	0	0	0	0	0
1950	Below Normal	0	0	260	782	950	655	104	0	0	0	0	0
1951	Above Normal	139	383	729	1,012	1,181	1,026	385	47	5	0	0	0
1952	Wet	3	282	1,238	1,250	1,250	1,250	1,207	401	71	68	68	83
1953	Below Normal	110	302	582	809	946	820	304	37	0	0	0	0
1954	Below Normal	0	0	252	756	919	634	101	0	0	0	0	0
1955	Dry	0	0	246	738	897	619	98	0	0	0	0	0
1956	Wet	207	641	1,194	1,250	1,250	1,250	1,235	275	82	68	68	111
1957	Below Normal	115	318	611	849	992	860	319	39	0	0	0	0
1958	Wet	39	40	1,148	1,250	1,250	1,250	1,194	439	82	68	68	82
1959	Dry	0	0	261	785	954	658	105	0	0	0	0	0
1960	Critical	0	0	157	451	550	381	57	0	0	0	0	0
1961	Critical	0	0	131	367	448	311	45	0	0	0	0	0
1962	Below Normal	86	321	614	852	995	863	320	40	0	0	0	0
1963	Above Normal	144	397	755	1,046	1,221	1,060	398	42	6	0	0	1
1964	Dry	0	0	230	687	835	577	91	0	0	0	0	0
1965	Wet	159	437	826	1,144	1,250	1,214	459	69	10	0	0	0
1966	Below Normal	0	0	313	952	1,156	797	129	0	0	0	0	0
1967	Wet	178	17	1,250	1,250	1,250	1,250	1,250	433	71	68	68	105
1968	Dry	112	308	592	823	963	834	309	37	0	0	0	0
1969	Wet	7	325	1,250	1,250	1,250	1,250	1,180	155	71	61	49	59
1970	Above Normal	137	465	877	1,156	1,250	1,192	667	130	10	0	0	0
1971	Below Normal	0	0	289	878	1,066	735	118	0	0	0	0	0
1972	Dry	0	0	231	688	837	578	91	0	0	0	0	0
1973	Above Normal	26	367	700	973	1,136	986	369	39	3	2	1	1
1974	Wet	148	542	906	1,193	1,250	1,250	705	123	15	2	2	1
1975	Wet	53	371	707	980	1,144	993	372	50	16	0	0	0
1976	Critical	0	0	179	521	635	439	67	0	0	0	0	0
1977	Critical	0	0	79	201	247	49	151	0	0	0	0	0
1978	Wet	0	10	1,250	1,250	1,250	1,250	856	439	71	68	68	76
1979	Above Normal	116	574	1,095	1,250	1,250	1,250	1,250	255	71	68	68	73
1980	Wet	185	752	1,246	1,250	1,250	1,250	1,250	395	82	68	68	99
1981	Dry	122	337	645	895	1,046	907	338	41	1	0	0	0
1982	Wet	47	65	1,250	1,250	1,250	1,250	886	185	71	245	238	0
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	92	238	77	36
1984	Above Normal	216	670	1,113	1,250	1,250	1,250	1,250	205	71	68	68	92
1985	Dry	0	0	303	918	1,114	768	124	0	0	0	0	0
1986	Wet	50	545	1,230	1,250	1,250	1,250	1,121	434	82	68	68	86
1987	Critical	0	0	261	787	956	660	105	0	0	0	0	0
1988	Critical	0	0	165	476	579	402	61	0	0	0	0	0
1989	Critical	0	0	172	498	606	420	64	0	0	0	0	0
1990	Critical	0	0	135	381	465	323	47	0	0	0	0	0
1991	Critical	0	0	184	539	656	454	70	0	0	0	0	0
1992	Critical	0	0	161	462	563	390	59	0	0	0	0	0
1993	Wet	37	535	986	1,250	1,250	1,250	969	259	10	0	0	0
1994	Critical	0	0	230	687	835	577	91	0	0	0	0	0
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,190	434	29	11	9	23
1996	Wet	114	601	1,250	1,250	1,250	1,250	1,250	128	71	68	371	51
1997	Wet	274	679	1,250	1,250	1,250	1,250	1,225	414	42	33	26	0
1998	Wet	0	96	1,250	1,250	1,250	1,250	1,154	204	71	56	45	66
1999	Above Normal	171	529	887	1,169	1,250	1,215	680	128	10	0	0	0
2000	Above Normal	93	323	618	857	1,002	868	323	8	10	4	4	3
2001	Dry	0	0	245	733	890	615	97	0	0	0	0	0
2002	Dry	0	0	228	679	826	570	90	0	0	0	0	0
2003	Below Normal	0	0	265	797	969	668	107	n/a	n/a	n/a	n/a	n/a

Change in Simulated Madera Canal Diversions (Node D18B)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	4	196	0	24	186	850	236	66	68	58	71
1923	Above Normal	14	39	71	99	115	100	40	6	9	0	0	0
1924	Critical	0	0	-2	-6	-8	-5	-1	0	0	0	0	0
1925	Below Normal	0	0	-15	-50	-61	-42	-7	0	0	0	0	0
1926	Dry	0	0	-39	-16	-19	-13	-2	0	0	0	0	-6
1927	Above Normal	2	28	-155	-134	77	68	27	3	4	0	0	-1
1928	Below Normal	0	0	-79	-45	-54	-37	-6	0	0	0	0	0
1929	Critical	0	0	0	-2	-3	-2	0	0	0	0	0	0
1930	Critical	0	0	-3	-11	-13	-9	-2	0	0	0	0	0
1931	Critical	0	0	-3	-11	-13	-40	30	0	0	0	0	0
1932	Above Normal	-6	-10	-27	-200	-45	-40	-16	-4	-9	0	0	0
1933	Dry	0	0	-10	-29	-35	-24	-4	0	0	0	0	0
1934	Critical	0	0	-4	-12	-14	-10	-2	0	0	0	0	0
1935	Above Normal	-2	-2	-22	-219	-22	-19	-7	-1	0	0	0	-59
1936	Above Normal	-32	44	-177	93	170	148	58	7	12	1	1	-99
1937	Wet	-24	33	107	133	263	395	568	196	13	-5	-27	0
1938	Wet	0	0	106	0	0	29	718	129	56	57	43	63
1939	Dry	87	121	384	168	164	289	231	39	0	0	0	0
1940	Above Normal	1	21	-204	-319	-247	-64	178	40	0	0	0	-140
1941	Wet	0	0	140	0	0	107	819	113	56	68	19	65
1942	Wet	100	42	163	19	37	197	855	293	66	58	-100	50
1943	Wet	-16	181	70	311	209	347	623	208	8	0	0	0
1944	Below Normal	0	0	4	12	15	10	2	0	0	0	0	-190
1945	Above Normal	9	55	-62	-22	59	167	66	21	5	-7	-22	-16
1946	Above Normal	7	28	-106	106	124	108	43	5	1	0	-1	-31
1947	Dry	0	0	-30	6	8	5	1	0	0	0	0	0
1948	Below Normal	0	0	-1	-4	-5	-3	-1	0	0	0	0	0
1949	Below Normal	0	0	-4	-14	-17	-11	-2	0	0	0	0	0
1950	Below Normal	0	0	-21	-66	-80	-55	-9	0	0	-217	-78	-65
1951	Above Normal	139	383	427	95	69	258	261	47	5	0	0	0
1952	Wet	0	0	167	0	0	55	756	334	61	68	61	68
1953	Below Normal	110	302	269	-144	-210	23	175	37	0	0	0	0
1954	Below Normal	0	0	-14	-44	-54	-37	-6	0	0	0	0	0
1955	Dry	0	0	-7	-22	-27	-18	-3	0	0	-146	-291	-26
1956	Wet	-29	47	254	35	0	78	793	216	66	68	68	111
1957	Below Normal	115	318	284	-148	-217	27	184	39	0	0	0	0
1958	Wet	-29	33	70	0	0	66	747	373	61	68	68	82
1959	Dry	-57	-4	18	60	73	50	9	0	0	0	0	0
1960	Critical	0	0	-2	-6	-8	-5	-1	0	0	0	0	0
1961	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1962	Below Normal	-8	-33	-68	-106	-104	-91	-36	-5	-7	0	0	-49
1963	Above Normal	-2	9	4	-79	-4	-2	0	0	0	0	0	0
1964	Dry	0	0	-4	-12	-15	-10	-2	0	0	0	-41	-76
1965	Wet	11	32	58	81	8	136	54	20	5	0	-9	-6
1966	Below Normal	0	-81	-115	117	141	97	17	0	0	0	-4	-49
1967	Wet	-55	0	0	0	0	0	437	176	56	57	59	50
1968	Dry	112	308	383	207	213	316	228	37	0	0	-147	0
1969	Wet	0	0	91	0	0	94	534	84	51	61	39	55
1970	Above Normal	99	465	535	114	0	308	523	130	10	0	0	0
1971	Below Normal	0	0	-21	-67	-81	-56	-10	0	0	0	0	0
1972	Dry	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1973	Above Normal	2	-142	-105	-86	163	143	56	6	2	1	-82	-19
1974	Wet	-78	26	57	120	207	346	369	83	10	2	2	1
1975	Wet	0	24	-136	-139	71	62	24	6	9	0	0	0
1976	Critical	0	0	-2	-6	-8	-5	-1	0	0	0	0	0
1977	Critical	0	0	-3	-8	-10	0	-8	0	0	0	0	-53
1978	Wet	-5	0	0	0	0	0	121	268	61	68	58	73
1979	Above Normal	92	258	231	299	282	412	939	217	71	68	-118	-161
1980	Wet	145	34	172	0	0	37	792	336	61	68	67	68
1981	Dry	122	337	355	18	-19	173	220	41	1	0	0	-77
1982	Wet	37	-75	76	0	0	0	344	-57	-21	14	-11	-11
1983	Wet	0	0	0	0	0	0	0	0	-8	-2	-2	-2
1984	Above Normal	23	325	454	338	184	326	905	163	69	68	68	92
1985	Dry	0	0	34	113	136	93	16	0	0	0	0	-252
1986	Wet	-106	37	314	7	88	242	743	387	66	68	68	86
1987	Critical	0	0	51	165	199	137	24	0	0	0	0	0
1988	Critical	0	0	-2	-7	-8	-6	-1	0	0	0	0	0
1989	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1990	Critical	0	0	-3	-9	-11	-8	-1	0	0	0	0	0
1991	Critical	0	0	-3	-10	-12	-9	-1	0	0	0	0	0
1992	Critical	0	0	-4	-13	-16	-11	-2	0	0	0	0	-22
1993	Wet	-31	-6	25	0	0	86	530	199	5	0	0	0
1994	Critical	0	0	-3	-9	-11	-8	-1	0	0	0	-6	-46
1995	Wet	0	0	0	0	0	0	77	0	3	2	2	-16
1996	Wet	-34	82	340	126	182	324	905	90	68	-80	-343	-85
1997	Wet	6	318	383	448	312	437	924	378	42	33	26	-166
1998	Wet	0	0	0	0	0	0	226	0	16	14	11	10
1999	Above Normal	171	529	541	111	0	301	531	128	10	0	0	0
2000	Above Normal	70	6	-188	-45	63	55	22	1	1	0	0	0
2001	Dry	0	0	-4	-13	-15	-11	-2	0	0	0	0	0
2002	Dry	0	0	-3	-11	-13	-9	-2	0	0	0	0	0
2003	Below Normal	0	0	-22	-71	-85	-59	-10	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Madera Canal Diversions (Node D18B)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-	1%	20%	0%	2%	17%	213%	489%	1358%	-	567%	1472%
1923	Above Normal	11%	11%	11%	11%	11%	11%	12%	14%	122%	-	-	-
1924	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1925	Below Normal	-	-	-6%	-6%	-6%	-6%	-7%	-	-	-	-	-
1926	Dry	-	-	-14%	-2%	-2%	-2%	-2%	-	-	-	-	-100%
1927	Above Normal	2%	8%	-18%	-12%	7%	7%	8%	7%	213%	-80%	-80%	-80%
1928	Below Normal	-	-	-22%	-5%	-5%	-5%	-5%	-	-	-	-	-
1929	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1930	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1931	Critical	-	-	-4%	-4%	-4%	-4%	-28%	28%	-	-	-	-
1932	Above Normal	-4%	-3%	-4%	-18%	-4%	-4%	-4%	-8%	-55%	-	-	-
1933	Dry	-	-	-4%	-4%	-4%	-4%	-4%	-	-	-	-	-
1934	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-	-
1935	Above Normal	-3%	-2%	-3%	-20%	-2%	-2%	-2%	-3%	-	-	-	-100%
1936	Above Normal	-52%	13%	-20%	10%	17%	17%	18%	21%	205%	-	-	-100%
1937	Wet	-70%	6%	13%	12%	27%	46%	179%	511%	-	-100%	-100%	-
1938	Wet	-	0%	9%	0%	0%	2%	156%	366%	217%	-	1360%	246%
1939	Dry	296%	60%	167%	24%	20%	50%	254%	-	-	-	-	-
1940	Above Normal	1%	7%	-25%	-27%	-20%	-7%	123%	-	-	-	-	-100%
1941	Wet	-	0%	13%	0%	0%	9%	190%	322%	386%	-	39%	584%
1942	Wet	127%	7%	18%	2%	3%	19%	216%	612%	1358%	-	-69%	160%
1943	Wet	-9%	45%	8%	33%	20%	38%	185%	512%	168%	-	-	-
1944	Below Normal	-	-	1%	1%	1%	1%	1%	-	-	-	-	-100%
1945	Above Normal	8%	15%	-7%	-2%	5%	16%	17%	44%	100%	-100%	-100%	-100%
1946	Above Normal	6%	9%	-14%	13%	13%	13%	14%	14%	-	-	-100%	-100%
1947	Dry	-	-	-11%	1%	1%	1%	1%	-	-	-	-	-
1948	Below Normal	-	-	0%	-1%	-1%	-1%	-1%	-	-	-	-	-
1949	Below Normal	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1950	Below Normal	-	-	-7%	-8%	-8%	-8%	-8%	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	141%	10%	6%	34%	211%	-	-	-	-	-
1952	Wet	0%	0%	16%	0%	0%	5%	168%	496%	629%	-	863%	462%
1953	Below Normal	-	-	86%	-15%	-18%	3%	135%	-	-	-	-	-
1954	Below Normal	-	-	-5%	-6%	-6%	-5%	-6%	-	-	-	-	-
1955	Dry	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-100%	-100%	-100%
1956	Wet	-12%	8%	27%	3%	0%	7%	179%	369%	408%	-	-	-
1957	Below Normal	-	-	87%	-15%	-18%	3%	136%	-	-	-	-	-
1958	Wet	-42%	480%	7%	0%	0%	6%	167%	561%	291%	-	-	-
1959	Dry	-100%	-100%	7%	8%	8%	8%	9%	-	-	-	-	-
1960	Critical	-	-	-1%	-1%	-1%	-1%	-2%	-	-	-	-	-
1961	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-
1962	Below Normal	-9%	-9%	-10%	-11%	-9%	-10%	-10%	-10%	-100%	-	-	-100%
1963	Above Normal	-1%	2%	1%	-7%	0%	0%	0%	0%	0%	-12%	-12%	-12%
1964	Dry	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-100%	-100%
1965	Wet	8%	8%	8%	8%	1%	13%	13%	40%	100%	-	-100%	-100%
1966	Below Normal	-	-100%	-27%	14%	14%	14%	15%	-	-	-	-100%	-100%
1967	Wet	-24%	0%	0%	0%	0%	0%	54%	69%	386%	508%	660%	92%
1968	Dry	-	-	184%	-	34%	28%	61%	282%	-	-	-100%	-
1969	Wet	0%	0%	8%	0%	0%	8%	83%	120%	265%	-	367%	1248%
1970	Above Normal	263%	-	157%	11%	0%	35%	363%	-	-	-	-	-
1971	Below Normal	-	-	-7%	-7%	-7%	-7%	-7%	-	-	-	-	-
1972	Dry	-	-	-1%	-1%	-1%	-1%	-2%	-	-	-	-	-
1973	Above Normal	7%	-28%	-13%	-8%	17%	17%	18%	18%	213%	121%	-98%	-94%
1974	Wet	-35%	5%	7%	11%	20%	38%	109%	203%	211%	-	-	-
1975	Wet	0%	7%	-16%	-12%	7%	7%	7%	13%	122%	-	-	-
1976	Critical	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1977	Critical	-	-	-3%	-4%	-4%	0%	-5%	-	-	-	-	-100%
1978	Wet	-100%	0%	0%	0%	0%	0%	16%	157%	629%	-	569%	3092%
1979	Above Normal	383%	81%	27%	31%	29%	49%	302%	578%	-	-	-63%	-69%
1980	Wet	362%	5%	16%	0%	0%	3%	173%	574%	291%	-	5317%	223%
1981	Dry	-	-	123%	-	-2%	24%	186%	-	-	-	-	-100%
1982	Wet	372%	-53%	6%	0%	0%	0%	63%	-23%	-23%	6%	-4%	-100%
1983	Wet	-	0%	0%	0%	0%	0%	0%	0%	-8%	-1%	-2%	-4%
1984	Above Normal	12%	94%	69%	37%	17%	35%	263%	391%	4761%	-	-	-
1985	Dry	-	-	12%	14%	14%	14%	15%	-	-	-	-	-100%
1986	Wet	-68%	7%	34%	1%	8%	24%	197%	826%	408%	-	-	-
1987	Critical	-	-	24%	26%	26%	26%	29%	-	-	-	-	-
1988	Critical	-	-	-1%	-1%	-1%	-1%	-2%	-	-	-	-	-
1989	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1990	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1991	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1992	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-100%
1993	Wet	-46%	-1%	3%	0%	0%	7%	121%	329%	100%	-	-	-
1994	Critical	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-100%	-100%
1995	Wet	-	0%	0%	0%	0%	0%	7%	0%	12%	27%	27%	-41%
1996	Wet	-23%	16%	37%	11%	17%	35%	262%	233%	3175%	-54%	-48%	-63%
1997	Wet	2%	88%	44%	56%	33%	54%	307%	1039%	-	-	-	-100%
1998	Wet	-	0%	0%	0%	0%	0%	24%	0%	30%	34%	34%	18%
1999	Above Normal	-	-	156%	11%	0%	33%	356%	-	-	-	-	-
2000	Above Normal	300%	2%	-23%	-5%	7%	7%	7%	9%	6%	11%	11%	11%
2001	Dry	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
2002	Dry	-	-	-1%	-2%	-2%	-2%	-2%	-	-	-	-	-
2003	Below Normal	-	-	-8%	-8%	-8%	-8%	-9%	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	22	43	60	138	189	174	98	36	6	5	5	29
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	79	102	61	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1929	Critical	21	25	47	111	143	86	38	25	8	0	0	13
1930	Critical	21	25	46	109	140	84	37	25	8	0	0	12
1931	Critical	10	12	22	52	67	36	22	12	0	0	0	6
1932	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	18	21	38	91	118	71	31	21	7	0	0	10
1935	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1937	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1938	Wet	17	28	56	129	191	177	100	38	12	6	6	30
1939	Dry	33	59	92	151	169	142	60	18	3	3	3	18
1940	Above Normal	31	52	86	158	188	152	71	21	4	4	3	20
1941	Wet	22	37	60	129	191	177	100	38	11	6	6	30
1942	Wet	22	43	64	138	189	174	98	36	6	5	5	29
1943	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	58	97	160	179	151	64	19	3	3	3	19
1950	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1951	Above Normal	37	62	98	158	182	149	65	20	3	3	3	20
1952	Wet	20	37	56	129	191	177	100	40	11	6	6	30
1953	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	22	37	60	129	191	177	100	40	12	6	6	30
1959	Dry	33	59	98	161	180	152	64	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	16	19	35	83	106	64	28	19	6	0	0	9
1962	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1963	Above Normal	22	43	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	57	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1967	Wet	11	19	43	101	185	188	122	64	15	7	7	34
1968	Dry	27	49	82	135	152	128	54	16	3	3	3	16
1969	Wet	17	28	52	115	193	181	104	50	13	7	7	30
1970	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1973	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1974	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	8	9	17	40	52	22	22	9	0	0	0	5
1978	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1979	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1980	Wet	17	28	56	129	191	177	100	40	12	6	6	30
1981	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1982	Wet	17	28	52	129	191	177	100	40	11	6	6	30
1983	Wet	3	9	35	101	183	197	130	69	23	8	8	34
1984	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1987	Critical	28	50	83	136	153	129	55	17	3	3	3	17
1988	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1989	Critical	22	27	49	116	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	163	98	43	29	10	0	0	14
1992	Critical	21	25	45	107	138	83	36	25	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	31	56	94	154	173	145	62	19	3	3	3	19
1995	Wet	3	9	30	101	183	197	130	78	20	7	7	34
1996	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1997	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1998	Wet	9	14	39	101	179	191	124	64	19	9	9	35
1999	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	56	93	153	171	144	61	19	3	3	3	19
2003	Below Normal	37	62	98	158	182	149	65	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 1 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	9	14	39	101	179	191	124	69	20	11	7	36
1923	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1924	Critical	15	18	33	78	100	60	26	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1928	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1929	Critical	21	25	46	110	142	86	38	25	8	0	0	13
1930	Critical	20	24	44	106	137	82	36	24	8	0	0	12
1931	Critical	9	11	21	49	63	32	23	11	0	0	0	6
1932	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	17	20	37	89	114	69	30	20	7	0	0	10
1935	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	26	43	64	146	187	170	95	33	6	5	5	20
1937	Wet	17	28	52	114	194	184	106	57	14	7	7	30
1938	Wet	3	5	30	101	183	197	130	66	23	10	9	37
1939	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1940	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1941	Wet	9	14	39	101	179	191	124	61	20	11	11	36
1942	Wet	9	14	39	101	179	191	124	73	20	7	7	36
1943	Wet	14	24	47	114	194	184	106	57	14	7	7	30
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	20	33	56	129	191	177	100	40	11	6	6	30
1946	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	83	137	154	129	55	17	3	3	3	17
1949	Below Normal	32	57	95	156	176	148	63	19	3	3	3	19
1950	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1951	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1952	Wet	6	9	35	100	181	194	128	76	21	7	7	36
1953	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	3	5	30	101	183	197	130	73	23	11	7	36
1957	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1958	Wet	11	19	43	101	185	188	122	64	19	7	7	35
1959	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1960	Critical	19	23	43	101	131	79	34	23	8	0	0	12
1961	Critical	15	18	34	80	103	62	27	18	6	0	0	9
1962	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1963	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	55	92	152	171	143	61	18	3	3	3	18
1965	Wet	20	33	56	129	191	177	100	40	11	6	6	30
1966	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1967	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1968	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1969	Wet	3	5	30	101	183	197	130	66	23	10	10	35
1970	Above Normal	20	33	52	115	193	181	104	52	12	7	7	30
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	55	92	152	171	144	61	19	3	3	3	19
1973	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1974	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1975	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1976	Critical	23	27	50	119	154	92	40	27	9	0	0	14
1977	Critical	7	9	16	38	49	19	21	9	0	0	0	4
1978	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1979	Above Normal	9	14	39	101	179	191	124	67	20	11	8	36
1980	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1981	Dry	28	47	80	151	191	163	79	27	5	5	5	20
1982	Wet	3	5	30	101	183	197	130	68	23	11	7	32
1983	Wet	3	5	30	101	183	197	130	69	23	8	8	34
1984	Above Normal	9	14	39	101	179	191	124	64	20	11	11	37
1985	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1986	Wet	3	9	35	101	183	197	130	78	23	7	7	36
1987	Critical	33	59	98	162	182	153	65	20	3	3	3	20
1988	Critical	21	25	45	108	139	83	37	25	8	0	0	12
1989	Critical	22	26	48	113	146	88	38	26	9	0	0	13
1990	Critical	16	19	35	84	108	65	28	19	6	0	0	10
1991	Critical	24	28	52	124	159	96	42	28	9	0	0	14
1992	Critical	20	24	44	104	134	81	35	24	8	0	0	12
1993	Wet	14	24	47	114	194	184	106	57	14	7	7	30
1994	Critical	31	55	92	152	171	143	61	18	3	3	3	18
1995	Wet	3	5	30	101	183	197	130	78	20	7	7	33
1996	Wet	6	9	35	100	181	194	128	62	21	11	7	32
1997	Wet	9	14	39	101	179	191	124	73	18	8	7	31
1998	Wet	3	5	30	101	183	197	130	69	23	10	9	36
1999	Above Normal	17	28	52	115	193	181	104	52	12	7	7	30
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	30	55	91	150	169	142	60	18	3	3	3	18
2003	Below Normal	33	59	98	162	182	153	65	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 1 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-14	-28	-21	-37	-10	17	27	33	14	6	1	7
1923	Above Normal	-3	-5	-16	-4	-4	8	16	7	1	0	0	0
1924	Critical	0	0	-1	-2	-2	-1	-1	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	-5	-16	-4	-4	8	16	7	0	0	0	0
1928	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1929	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0
1930	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1931	Critical	-1	-1	-1	-3	-4	-4	1	-1	0	0	0	0
1932	Above Normal	3	5	16	4	4	-8	-7	-1	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1935	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	-3	-5	-16	-10	-1	12	22	10	2	1	1	0
1937	Wet	-11	-24	-34	-43	6	26	33	34	10	3	3	10
1938	Wet	-14	-24	-26	-28	-8	20	30	28	11	4	3	8
1939	Dry	-2	-7	-6	6	19	16	13	5	1	1	1	1
1940	Above Normal	0	0	0	-1	0	6	3	3	0	0	1	0
1941	Wet	-14	-23	-21	-28	-12	14	24	23	9	5	5	6
1942	Wet	-14	-28	-26	-37	-10	17	27	36	14	2	1	7
1943	Wet	-14	-24	-33	-36	3	21	27	31	9	2	2	10
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	-6	-10	-9	-17	4	7	5	6	6	1	1	10
1946	Above Normal	-3	-5	-5	-6	3	5	6	3	1	1	1	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	-1	-1	-1	0	0	0	0	0	0
1949	Below Normal	-1	-1	-2	-3	-4	-3	-1	0	0	0	0	0
1950	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1951	Above Normal	-11	-20	-33	-12	5	21	30	14	2	1	1	0
1952	Wet	-14	-28	-21	-29	-10	17	27	36	10	1	1	7
1953	Below Normal	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	-20	-33	-30	-37	-6	24	33	37	17	5	1	8
1957	Below Normal	-2	-5	-4	-1	0	6	3	3	0	0	1	0
1958	Wet	-11	-18	-16	-28	-6	10	21	25	7	1	1	6
1959	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1960	Critical	0	0	-1	-2	-2	-1	-1	0	0	0	0	0
1961	Critical	-1	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1962	Below Normal	3	5	5	6	-3	-5	-6	-3	-1	-1	-1	0
1963	Above Normal	0	-5	0	0	0	0	0	0	0	0	0	0
1964	Dry	-1	-1	-2	-3	-3	-3	-1	0	0	0	0	0
1965	Wet	-3	-5	-4	-9	2	3	3	3	6	1	1	1
1966	Below Normal	0	0	0	-3	0	-3	0	0	0	0	0	0
1967	Wet	-9	-14	-13	0	-1	10	9	14	7	-1	-1	2
1968	Dry	3	2	4	22	36	31	19	7	1	1	1	3
1969	Wet	-14	-24	-22	-14	-10	16	27	16	10	4	3	5
1970	Above Normal	-13	-24	-38	-43	5	29	33	31	8	3	3	10
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	-1	-1	-2	-2	-3	-2	-1	0	0	0	0	0
1973	Above Normal	0	-5	-5	-6	3	5	6	3	1	1	1	0
1974	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1975	Wet	-3	-5	-16	-4	-4	8	16	7	1	0	0	0
1976	Critical	0	0	-1	-2	-2	-1	0	-2	0	0	0	0
1977	Critical	0	0	-1	-2	-3	-4	-1	0	0	0	0	0
1978	Wet	-9	-19	-17	-13	-11	13	-9	24	9	0	0	6
1979	Above Normal	-20	-37	-47	-56	-9	33	51	44	16	7	4	16
1980	Wet	-14	-24	-26	-28	-8	20	30	38	11	1	1	7
1981	Dry	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1982	Wet	-14	-24	-22	-28	-8	20	30	28	11	5	1	3
1983	Wet	0	-5	-5	0	0	0	0	0	0	0	0	0
1984	Above Normal	-20	-33	-42	-49	-11	28	45	38	15	6	6	17
1985	Dry	4	3	-1	-3	0	-3	0	0	0	0	0	0
1986	Wet	-23	-33	-30	-45	-4	27	35	44	17	2	2	17
1987	Critical	5	9	15	25	28	24	10	3	1	1	1	3
1988	Critical	0	0	-1	-2	-2	-1	-1	0	0	0	0	0
1989	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1990	Critical	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	0
1991	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1992	Critical	-1	-1	-1	-3	-4	-3	-1	-1	0	0	0	0
1993	Wet	-9	-14	-12	-24	5	10	9	21	8	1	1	1
1994	Critical	-1	-1	-2	-2	-3	-2	-1	0	0	0	0	0
1995	Wet	0	-5	0	0	0	0	0	0	0	0	0	0
1996	Wet	-22	-38	-46	-51	-9	31	48	36	17	6	2	12
1997	Wet	-20	-37	-47	-56	-9	33	51	50	14	4	3	12
1998	Wet	-6	-10	-9	0	4	7	6	5	4	1	1	1
1999	Above Normal	-16	-28	-38	-43	5	29	33	31	8	3	3	10
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	-1	-1	-2	-3	-3	-2	-1	0	0	0	0	0
2003	Below Normal	-4	-3	1	3	0	3	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-62%	-66%	-35%	-27%	-5%	10%	27%	91%	260%	105%	25%	24%
1923	Above Normal	-9%	-10%	-20%	-3%	-2%	5%	20%	26%	10%	0%	0%	0%
1924	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	-10%	-20%	-3%	-2%	5%	20%	26%	5%	0%	0%	0%
1928	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1930	Critical	-2%	-2%	-3%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1931	Critical	-5%	-5%	-5%	-5%	-5%	-11%	4%	-5%	-	-	-	-5%
1932	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-9%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-3%	-3%	-4%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1935	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	-9%	-10%	-20%	-7%	-1%	8%	30%	41%	44%	17%	17%	0%
1937	Wet	-40%	-46%	-40%	-27%	3%	17%	45%	143%	253%	67%	67%	53%
1938	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	74%	93%	71%	59%	26%
1939	Dry	-6%	-12%	-6%	4%	11%	11%	21%	29%	29%	29%	29%	7%
1940	Above Normal	0%	0%	0%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1941	Wet	-62%	-61%	-35%	-22%	-6%	8%	24%	59%	76%	82%	82%	21%
1942	Wet	-62%	-66%	-40%	-27%	-5%	10%	27%	100%	260%	40%	25%	24%
1943	Wet	-51%	-50%	-41%	-24%	2%	13%	34%	115%	185%	43%	43%	53%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	-23%	-23%	-13%	-12%	2%	4%	6%	18%	127%	29%	29%	50%
1946	Above Normal	-9%	-9%	-6%	-4%	1%	3%	8%	13%	19%	17%	17%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1950	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1951	Above Normal	-30%	-32%	-34%	-8%	3%	14%	47%	71%	49%	40%	40%	0%
1952	Wet	-70%	-75%	-38%	-23%	-5%	10%	27%	92%	92%	13%	11%	24%
1953	Below Normal	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-88%	-88%	-49%	-27%	-3%	14%	33%	102%	274%	104%	25%	26%
1957	Below Normal	-6%	-8%	-4%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1958	Wet	-50%	-49%	-27%	-22%	6%	21%	62%	60%	11%	11%	11%	19%
1959	Dry	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Critical	-1%	-1%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1961	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1962	Below Normal	9%	10%	7%	4%	-1%	-3%	-8%	-11%	-22%	-14%	-14%	0%
1963	Above Normal	0%	-12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1965	Wet	-12%	-12%	-7%	-6%	1%	2%	3%	9%	100%	12%	12%	2%
1966	Below Normal	0%	0%	0%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	-76%	-76%	-30%	0%	-1%	5%	7%	21%	48%	-8%	-8%	7%
1968	Dry	12%	5%	4%	16%	24%	5%	35%	44%	44%	44%	44%	20%
1969	Wet	-85%	-84%	-42%	-12%	-5%	9%	26%	33%	74%	57%	46%	17%
1970	Above Normal	-40%	-42%	-42%	-27%	2%	19%	47%	150%	215%	67%	100%	53%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1973	Above Normal	0%	-9%	-6%	-4%	-4%	3%	8%	13%	22%	17%	17%	0%
1974	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	160%	43%	43%	53%
1975	Wet	-9%	-10%	-20%	-3%	-2%	5%	20%	26%	10%	0%	0%	0%
1976	Critical	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-	-	-1%
1977	Critical	-5%	-5%	-5%	-5%	-5%	-16%	-5%	-5%	-	-	-	-5%
1978	Wet	-76%	-81%	-36%	-11%	-6%	7%	23%	36%	65%	2%	0%	20%
1979	Above Normal	-70%	-72%	-55%	-35%	-5%	21%	70%	186%	407%	173%	114%	81%
1980	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	97%	93%	11%	11%	24%
1981	Dry	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1982	Wet	-85%	-84%	-42%	-22%	-4%	11%	30%	71%	104%	82%	11%	9%
1983	Wet	0%	-50%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	-70%	-69%	-52%	-33%	-6%	17%	57%	141%	326%	134%	134%	86%
1985	Dry	12%	6%	-1%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1986	Wet	-90%	-78%	-46%	-31%	-2%	16%	37%	131%	309%	43%	43%	85%
1987	Critical	18%	18%	18%	19%	19%	19%	19%	19%	19%	19%	19%	19%
1988	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1990	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1992	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1993	Wet	-38%	-37%	-21%	-17%	3%	6%	9%	58%	147%	25%	25%	5%
1994	Critical	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1995	Wet	0%	-50%	0%	0%	0%	0%	0%	0%	1%	2%	2%	-1%
1996	Wet	-79%	-81%	-57%	-34%	-5%	19%	61%	134%	350%	43%	43%	63%
1997	Wet	-70%	-72%	-55%	-35%	-5%	21%	70%	211%	364%	113%	67%	60%
1998	Wet	-69%	-68%	-22%	0%	2%	3%	5%	7%	19%	10%	8%	4%
1999	Above Normal	-48%	-50%	-42%	-27%	2%	19%	47%	150%	215%	67%	100%	53%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
2003	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	90	130	124	100	78	27	0	0	0	0	16
1923	Above Normal	28	71	85	77	61	57	29	5	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	3	5	9	15	17	14	6	2	0	0	0	2
1926	Dry	1	2	4	4	4	4	1	0	0	0	0	0
1927	Above Normal	34	73	90	81	67	62	31	6	0	0	0	20
1928	Below Normal	1	14	18	24	28	22	9	3	0	0	0	3
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	36	83	114	98	85	66	22	1	1	1	1	22
1933	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	25	50	77	64	57	56	32	8	1	1	1	6
1936	Above Normal	25	66	82	63	56	54	32	7	1	1	1	0
1937	Wet	1	44	63	58	50	50	29	7	1	1	1	18
1938	Wet	0	28	99	168	120	108	53	14	2	7	7	21
1939	Dry	2	2	1	1	1	1	0	0	0	0	0	0
1940	Above Normal	21	56	64	59	55	50	16	5	0	0	1	10
1941	Wet	37	79	141	155	107	92	44	11	1	6	6	18
1942	Wet	38	89	123	121	97	76	25	0	0	0	0	15
1943	Wet	3	56	85	75	59	55	28	5	0	0	0	19
1944	Below Normal	1	13	17	28	32	26	10	3	1	1	1	0
1945	Above Normal	36	86	119	106	94	74	26	2	1	1	1	24
1946	Above Normal	24	59	70	48	39	40	25	5	1	1	1	16
1947	Dry	2	3	6	8	9	7	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	11	13	21	24	19	8	2	0	0	0	2
1951	Above Normal	2	15	20	33	38	31	12	4	1	1	1	4
1952	Wet	21	79	98	153	108	96	46	12	1	6	6	18
1953	Below Normal	3	18	24	39	45	37	15	4	1	1	1	4
1954	Below Normal	2	4	7	13	15	12	5	1	0	0	0	1
1955	Dry	1	2	3	6	7	5	2	1	0	0	0	1
1956	Wet	46	101	138	138	114	96	35	3	1	1	1	18
1957	Below Normal	9	26	36	47	43	37	12	4	0	0	1	13
1958	Wet	36	55	137	154	107	94	45	12	1	6	6	18
1959	Dry	1	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	28	75	92	85	70	65	33	6	0	0	0	21
1963	Above Normal	43	90	128	122	100	78	27	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	43	100	132	125	104	81	28	1	0	0	0	16
1966	Below Normal	3	17	18	19	22	18	7	2	0	0	0	2
1967	Wet	74	44	114	143	119	102	71	52	14	22	22	70
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	19	19	75	128	109	91	62	44	14	19	19	59
1970	Above Normal	11	29	41	55	52	45	15	5	0	0	1	15
1971	Below Normal	3	17	23	38	44	35	14	4	1	1	1	4
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	22	61	66	57	48	47	28	6	1	1	1	17
1974	Wet	30	71	85	75	60	56	28	5	0	0	0	19
1975	Wet	26	72	88	78	63	59	30	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	38	41	128	137	114	111	76	50	15	21	21	67
1979	Above Normal	21	60	71	54	46	46	28	6	1	1	0	0
1980	Wet	37	66	121	165	119	106	52	14	2	7	7	20
1981	Dry	1	13	16	26	30	24	10	3	0	0	0	3
1982	Wet	49	4	101	164	119	109	57	16	2	2	0	0
1983	Wet	0	46	126	104	104	107	95	59	15	24	26	83
1984	Above Normal	30	73	87	79	65	60	30	6	0	0	0	20
1985	Dry	3	5	8	14	16	13	5	1	0	0	0	0
1986	Wet	0	85	116	102	89	70	23	1	1	1	1	23
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	40	100	136	134	110	92	33	2	1	1	1	18
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	58	92	164	135	104	108	101	64	15	26	26	83
1996	Wet	28	73	88	80	65	60	31	6	0	0	0	15
1997	Wet	29	62	73	49	40	41	25	5	1	1	1	0
1998	Wet	44	21	125	117	122	96	83	55	15	24	24	75
1999	Above Normal	11	30	42	58	54	48	16	5	0	0	1	15
2000	Above Normal	18	58	68	49	40	41	25	4	1	1	1	16
2001	Dry	1	1	2	3	4	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	12	15	24	28	23	9	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 1 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	69	94	155	148	126	100	105	56	15	24	29	77
1923	Above Normal	36	87	117	102	89	71	24	1	1	1	1	23
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	1	2	4	6	7	6	2	1	0	0	0	1
1926	Dry	0	1	1	1	1	1	0	0	0	0	0	0
1927	Above Normal	35	86	115	100	87	68	23	1	1	1	1	23
1928	Below Normal	3	5	10	17	19	15	6	2	0	0	0	2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	30	76	92	86	71	66	33	7	0	0	0	21
1933	Dry	1	1	2	3	4	3	1	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	20	48	73	60	53	52	30	7	1	1	1	5
1936	Above Normal	29	84	117	102	89	70	23	1	1	1	1	0
1937	Wet	25	53	101	131	106	103	80	51	14	20	20	63
1938	Wet	19	74	155	141	111	115	110	63	16	28	28	87
1939	Dry	23	61	72	60	53	52	31	7	1	1	0	1
1940	Above Normal	21	61	73	60	53	52	30	7	1	1	1	13
1941	Wet	66	62	149	143	119	93	100	53	14	23	23	74
1942	Wet	77	97	146	143	119	93	100	53	14	26	20	74
1943	Wet	10	66	122	138	115	112	90	55	15	21	21	67
1944	Below Normal	1	14	18	30	34	28	11	3	1	1	1	0
1945	Above Normal	47	88	111	149	108	96	45	12	1	6	6	18
1946	Above Normal	29	72	86	78	63	58	30	5	0	0	0	20
1947	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	2	3	5	10	11	9	4	1	0	0	0	1
1951	Above Normal	37	88	119	105	93	74	25	2	1	1	1	24
1952	Wet	53	68	149	147	115	103	104	60	15	29	30	80
1953	Below Normal	21	56	65	50	42	43	26	6	1	1	1	16
1954	Below Normal	1	2	3	5	6	5	2	1	0	0	0	1
1955	Dry	0	0	1	2	2	2	1	0	0	0	0	0
1956	Wet	92	115	172	133	102	105	107	58	14	26	30	84
1957	Below Normal	23	61	71	59	52	51	30	7	1	1	1	18
1958	Wet	58	32	134	145	121	105	95	65	15	27	27	71
1959	Dry	2	3	6	10	12	10	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	21	61	71	59	51	51	30	7	1	1	1	18
1963	Above Normal	42	97	129	122	99	78	26	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	50	89	113	152	110	99	47	13	2	6	6	18
1966	Below Normal	3	18	24	39	45	36	15	4	1	0	1	4
1967	Wet	94	72	157	141	111	115	115	68	16	32	32	89
1968	Dry	22	58	67	54	45	45	27	6	1	1	0	0
1969	Wet	53	58	148	135	111	115	110	63	16	28	28	87
1970	Above Normal	52	95	101	127	106	91	62	44	13	19	19	58
1971	Below Normal	1	13	16	26	30	24	10	3	0	0	0	3
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	25	77	88	89	76	70	35	7	1	1	1	22
1974	Wet	57	69	105	134	113	100	68	46	14	19	19	60
1975	Wet	30	83	112	96	82	64	21	1	1	1	1	22
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	61	76	181	141	111	115	91	68	16	32	32	87
1979	Above Normal	74	95	147	144	120	94	101	54	14	24	2	42
1980	Wet	82	125	181	141	111	115	115	66	16	32	32	88
1981	Dry	28	71	84	76	60	56	29	5	0	0	0	19
1982	Wet	86	48	181	141	111	115	93	63	16	23	9	42
1983	Wet	2	55	137	110	111	115	101	63	16	26	28	87
1984	Above Normal	82	103	152	149	126	100	105	57	15	24	24	77
1985	Dry	2	16	20	33	38	31	12	4	1	1	1	0
1986	Wet	50	104	169	135	104	107	101	64	15	31	31	84
1987	Critical	2	3	6	10	12	10	4	1	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	57	76	120	134	110	107	87	54	14	21	21	65
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	62	101	170	141	111	115	111	68	16	28	28	87
1996	Wet	76	104	159	145	113	101	105	56	15	11	0	73
1997	Wet	81	100	147	141	117	91	97	56	14	23	25	36
1998	Wet	59	41	152	113	111	115	109	63	16	28	28	87
1999	Above Normal	57	67	103	130	110	95	64	45	14	19	19	59
2000	Above Normal	22	61	72	60	53	52	30	5	1	1	1	18
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	2	4	7	12	14	11	5	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 1 - Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	35	3	25	24	25	21	78	56	15	24	28	61
1923	Above Normal	8	16	32	26	28	14	-5	-4	0	0	0	4
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	-2	-3	-5	-9	-10	-8	-3	-1	0	0	0	-1
1926	Dry	-1	-2	-3	-3	-3	-3	-1	0	0	0	0	0
1927	Above Normal	1	12	26	19	20	7	-9	-5	0	0	0	2
1928	Below Normal	2	-9	-8	-7	-9	-7	-3	-1	0	0	0	-1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	-6	-7	-22	-13	-13	-1	12	6	0	0	0	-1
1933	Dry	-1	-2	-3	-5	-6	-5	-2	-1	0	0	0	-1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	-6	-2	-5	-4	-4	0	-2	0	0	0	0	-1
1936	Above Normal	4	18	35	39	33	16	-8	-6	0	0	0	0
1937	Wet	24	9	38	73	55	53	51	44	13	19	19	46
1938	Wet	19	46	56	-27	-9	7	58	49	14	21	21	67
1939	Dry	22	59	72	60	52	51	30	7	1	1	0	1
1940	Above Normal	0	6	9	1	-2	1	14	2	0	0	0	3
1941	Wet	30	-17	8	-13	11	1	56	42	13	18	18	56
1942	Wet	39	9	23	22	21	17	75	53	14	26	20	58
1943	Wet	7	10	37	63	55	56	61	50	14	21	21	48
1944	Below Normal	0	1	1	2	2	2	1	0	0	0	0	0
1945	Above Normal	11	2	-8	43	14	21	20	10	1	5	5	-6
1946	Above Normal	5	13	17	30	24	18	5	0	0	0	0	4
1947	Dry	0	-1	-1	1	1	1	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	2	-8	-7	-11	-13	-11	-4	-1	0	0	0	-1
1951	Above Normal	35	73	99	73	55	43	13	-2	0	0	0	20
1952	Wet	32	-10	51	-6	7	7	58	48	13	23	24	62
1953	Below Normal	18	38	41	11	-3	6	11	1	0	0	0	12
1954	Below Normal	-1	-2	-4	-8	-9	-7	-3	-1	0	0	0	-1
1955	Dry	-1	-1	-2	-4	-4	-4	-1	0	0	0	0	0
1956	Wet	46	14	34	-4	-12	10	72	55	14	26	30	66
1957	Below Normal	14	34	35	12	8	14	18	3	1	1	0	4
1958	Wet	22	-22	-3	-10	14	10	50	53	14	21	21	53
1959	Dry	1	3	6	10	11	9	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	-7	-14	-20	-26	-19	-14	-3	0	0	0	0	-3
1963	Above Normal	-1	8	1	-1	-1	0	0	-1	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	7	-10	-19	26	7	17	19	12	1	6	6	2
1966	Below Normal	0	1	5	20	24	19	8	2	0	0	0	2
1967	Wet	19	28	43	-2	-7	13	44	16	1	9	10	19
1968	Dry	22	58	67	54	45	45	27	6	1	1	0	0
1969	Wet	34	39	73	6	2	25	48	19	2	9	9	28
1970	Above Normal	40	66	60	72	55	46	47	39	13	18	18	43
1971	Below Normal	-2	-4	-7	-12	-14	-11	-4	-1	0	0	0	-1
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	3	16	22	33	28	22	7	0	0	0	0	4
1974	Wet	26	-2	20	59	53	44	39	41	14	19	19	41
1975	Wet	3	11	25	18	19	5	-9	-5	0	0	0	2
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	23	35	52	3	-3	4	15	18	1	11	11	21
1979	Above Normal	53	34	76	89	74	48	73	48	14	23	2	42
1980	Wet	44	59	60	-24	-7	9	63	52	14	25	25	68
1981	Dry	27	58	68	50	30	32	19	2	0	0	0	17
1982	Wet	37	44	80	-23	-8	6	36	47	14	21	9	42
1983	Wet	2	9	11	6	7	8	6	4	1	1	1	4
1984	Above Normal	52	30	65	69	62	41	75	51	15	24	24	57
1985	Dry	0	11	12	19	23	18	7	2	0	0	0	0
1986	Wet	49	20	53	33	15	37	78	63	14	30	30	61
1987	Critical	2	3	6	10	12	10	4	1	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	17	-23	-16	0	0	15	54	52	13	20	20	47
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	9	6	5	7	8	10	4	1	1	1	4
1996	Wet	48	32	71	66	48	41	74	51	14	11	0	59
1997	Wet	52	38	74	92	76	50	72	51	13	23	24	36
1998	Wet	15	20	27	-4	-10	19	26	8	1	4	4	12
1999	Above Normal	47	37	60	72	56	46	48	40	13	19	18	44
2000	Above Normal	4	3	4	11	13	11	5	1	0	0	0	2
2001	Dry	0	-1	-1	-2	-3	-2	-1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	2	-8	-8	-12	-14	-11	-5	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	103%	4%	19%	19%	25%	27%	294%	48106%	4475%	7242%	8504%	387%
1923	Above Normal	27%	22%	37%	34%	46%	24%	-18%	-76%	140%	140%	140%	18%
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-58%	-57%	-58%	-59%	-59%	-59%	-59%	-59%	-59%	-59%	-59%	-59%
1926	Dry	-73%	-73%	-79%	-70%	-70%	-70%	-70%	-70%	-70%	-70%	-70%	-70%
1927	Above Normal	4%	17%	29%	23%	30%	11%	-28%	-83%	71%	65%	66%	11%
1928	Below Normal	112%	-61%	-46%	-31%	-32%	-31%	-32%	-32%	-32%	-32%	-32%	-32%
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-16%	-9%	-19%	-13%	-16%	-1%	53%	767%	-26%	-26%	-26%	-6%
1933	Dry	-66%	-66%	-65%	-60%	-60%	-60%	-60%	-60%	-60%	-60%	-60%	-60%
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-23%	-4%	-6%	-6%	-7%	-6%	-5%	-6%	-9%	-9%	-9%	-9%
1936	Above Normal	17%	28%	43%	62%	60%	29%	-26%	-85%	-39%	-6%	-7%	-
1937	Wet	3912%	21%	61%	125%	110%	107%	172%	654%	1774%	2677%	2677%	260%
1938	Wet	-	161%	56%	-16%	-7%	7%	110%	348%	671%	315%	315%	323%
1939	Dry	1194%	2490%	14305%	6086%	4675%	5623%	8331%	6580%	4309%	4309%	-	-
1940	Above Normal	1%	11%	14%	2%	-3%	3%	86%	37%	81%	81%	-29%	27%
1941	Wet	82%	-21%	6%	-8%	11%	1%	128%	369%	950%	294%	294%	311%
1942	Wet	102%	10%	19%	18%	22%	23%	294%	88105%	4955%	9181%	-	380%
1943	Wet	218%	17%	43%	84%	93%	102%	218%	991%	5150%	7503%	7503%	247%
1944	Below Normal	31%	5%	7%	8%	8%	8%	8%	8%	8%	8%	8%	-
1945	Above Normal	30%	2%	-6%	40%	15%	29%	78%	588%	66%	622%	622%	-24%
1946	Above Normal	22%	21%	24%	62%	60%	45%	20%	2%	-34%	-34%	-34%	24%
1947	Dry	-15%	-16%	-15%	14%	14%	14%	14%	14%	14%	14%	14%	14%
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-71%	-57%	-54%	-55%	-54%	-55%	-55%	-55%	-55%	-55%	-55%
1951	Above Normal	1645%	474%	497%	221%	144%	140%	103%	-55%	36%	36%	36%	555%
1952	Wet	151%	-13%	52%	-4%	6%	8%	128%	400%	956%	391%	393%	341%
1953	Below Normal	539%	218%	175%	29%	-8%	16%	75%	32%	-20%	-20%	-20%	281%
1954	Below Normal	-58%	-58%	-60%	-61%	-61%	-61%	-61%	-61%	-61%	-61%	-61%	-61%
1955	Dry	-76%	-75%	-70%	-68%	-68%	-68%	-68%	-68%	-68%	-68%	-68%	-68%
1956	Wet	101%	14%	24%	-3%	-10%	10%	208%	2112%	2123%	3966%	4608%	360%
1957	Below Normal	168%	130%	99%	26%	19%	38%	154%	79%	274%	274%	-13%	33%
1958	Wet	62%	-41%	-2%	-6%	13%	11%	112%	448%	1028%	350%	350%	299%
1959	Dry	103%	5175%	4754%	4363%	4363%	4362%	4362%	4363%	-	-	-	4363%
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-26%	-19%	-22%	-31%	-27%	-22%	-9%	6%	55%	55%	55%	-15%
1963	Above Normal	-2%	9%	1%	-1%	-1%	-1%	-1%	-100%	-5%	-5%	-5%	-1%
1964	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965	Wet	16%	-10%	-15%	21%	6%	21%	68%	2275%	283%	1449%	1449%	14%
1966	Below Normal	12%	4%	27%	105%	109%	105%	109%	109%	109%	-	109%	109%
1967	Wet	26%	62%	37%	-2%	-6%	13%	63%	30%	10%	42%	43%	27%
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	173%	200%	97%	5%	2%	27%	78%	44%	16%	46%	46%	48%
1970	Above Normal	366%	225%	147%	131%	106%	101%	314%	827%	3758%	5276%	1755%	297%
1971	Below Normal	-74%	-26%	-31%	-31%	-31%	-31%	-31%	-31%	-31%	-31%	-31%	-31%
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	12%	26%	33%	57%	59%	47%	24%	8%	-26%	-9%	-5%	25%
1974	Wet	86%	-3%	23%	78%	89%	79%	139%	794%	4817%	6698%	6698%	212%
1975	Wet	13%	16%	28%	22%	29%	9%	-31%	-90%	81%	81%	81%	11%
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Wet	61%	84%	41%	3%	-2%	4%	20%	37%	8%	50%	50%	31%
1979	Above Normal	254%	57%	107%	164%	159%	103%	264%	765%	2115%	3524%	-	-
1980	Wet	119%	89%	49%	-15%	-6%	8%	122%	377%	729%	384%	384%	335%
1981	Dry	3109%	448%	430%	192%	101%	132%	192%	82%	-37%	-37%	-37%	584%
1982	Wet	76%	1124%	79%	-14%	-6%	6%	64%	302%	696%	888%	-	-
1983	Wet	-	19%	8%	5%	7%	7%	6%	7%	8%	5%	4%	5%
1984	Above Normal	170%	42%	74%	87%	96%	68%	246%	900%	3997%	6455%	6455%	285%
1985	Dry	-15%	237%	148%	142%	146%	142%	146%	146%	146%	146%	146%	-
1986	Wet	12094%	23%	46%	33%	17%	53%	332%	5344%	1940%	4021%	4021%	264%
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993	Wet	42%	-23%	-12%	0%	0%	16%	166%	2392%	2459%	3655%	3655%	271%
1994	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995	Wet	6%	10%	4%	4%	7%	7%	10%	6%	7%	4%	4%	5%
1996	Wet	173%	44%	80%	82%	74%	68%	243%	920%	3731%	-	-	393%
1997	Wet	182%	61%	101%	189%	190%	123%	287%	927%	2499%	4242%	4503%	-
1998	Wet	34%	94%	21%	-4%	-8%	20%	31%	15%	7%	15%	15%	16%
1999	Above Normal	440%	121%	143%	126%	104%	95%	299%	794%	3359%	4685%	1701%	295%
2000	Above Normal	20%	5%	6%	23%	31%	27%	21%	37%	23%	32%	33%	11%
2001	Dry	-65%	-70%	-66%	-73%	-73%	-73%	-73%	-73%	-73%	-73%	-73%	-73%
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	296%	-68%	-52%	-50%	-50%	-49%	-50%	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	74	77	86	67	0	0	0	0	0	0	61	25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	13	0	0	0	0	0	0	0	0	9
1927	Above Normal	0	0	86	83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	83	0	0	0	0	0	0	0	0
1936	Above Normal	19	0	86	22	0	0	0	0	0	0	0	0
1937	Wet	0	12	12	83	0	0	0	0	0	33	74	67
1938	Wet	0	0	12	34	31	0	0	0	0	0	21	10
1939	Dry	13	83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	86	47	0	0	0	0	0	0	0	0
1941	Wet	74	69	11	45	13	0	0	0	0	0	74	57
1942	Wet	0	78	70	69	0	0	0	0	0	0	0	67
1943	Wet	0	2	86	20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	2
1945	Above Normal	0	0	65	58	0	0	0	0	0	42	74	10
1946	Above Normal	0	0	67	0	0	0	0	0	0	0	6	22
1947	Dry	0	0	12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	74	74	69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	69
1952	Wet	0	0	12	48	0	0	0	0	0	0	44	12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1956	Wet	50	76	62	40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	12	46	0	0	0	0	0	0	0	0
1959	Dry	25	1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	7	0	0	0	0	0	0	0	67
1963	Above Normal	0	0	0	31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	74	69
1965	Wet	0	0	0	0	0	0	0	0	0	0	56	8
1966	Below Normal	0	34	56	0	0	0	0	0	0	0	25	68
1967	Wet	76	0	8	71	38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	12	0	40	0	0	0	0	0	63	6
1970	Above Normal	25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	78	11	83	0	0	0	0	0	1	74	28
1974	Wet	72	82	86	75	0	0	0	0	0	0	0	0
1975	Wet	0	0	75	83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	2
1978	Wet	0	0	10	71	33	0	0	0	0	0	61	13
1979	Above Normal	40	0	86	51	0	0	0	0	0	0	0	0
1980	Wet	0	77	82	37	32	0	0	0	0	0	11	14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1982	Wet	74	0	86	38	0	0	0	79	71	0	0	0
1983	Wet	0	0	0	0	53	0	0	0	46	0	74	0
1984	Above Normal	27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	2
1986	Wet	0	80	86	77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	31
1993	Wet	74	76	72	58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	36	69
1995	Wet	0	71	0	71	53	0	0	0	0	0	0	17
1996	Wet	0	82	86	83	0	0	0	0	0	0	0	0
1997	Wet	78	16	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	3	0	40	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	86	41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 1 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	67
1938	Wet	0	0	0	71	46	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	8	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	54	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	46	0	0	0	0	0	74	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	29	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	27	46	0	0	0	0	0	0	0
1996	Wet	0	68	80	63	0	0	0	0	0	0	0	0
1997	Wet	44	13	84	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 1 - Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-74	-77	-86	-67	0	0	0	0	0	0	-61	-25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	-13	0	0	0	0	0	0	0	0	-9
1927	Above Normal	0	0	-86	-83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	-24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	-67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	-83	0	0	0	0	0	0	0	0
1936	Above Normal	-19	0	-86	-22	0	0	0	0	0	0	0	0
1937	Wet	0	-12	-12	-83	0	0	0	0	0	-33	-74	0
1938	Wet	0	0	-12	38	16	0	0	0	0	0	-21	-10
1939	Dry	-13	-83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	-86	-47	0	0	0	0	0	0	0	0
1941	Wet	-74	-69	-11	-45	-13	0	0	0	0	0	-74	-57
1942	Wet	0	-78	-70	-69	0	0	0	0	0	0	0	-67
1943	Wet	0	-2	-86	-20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	-2
1945	Above Normal	0	0	-65	-58	0	0	0	0	0	-42	-74	-10
1946	Above Normal	0	0	-67	0	0	0	0	0	0	0	-6	-22
1947	Dry	0	0	-12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	-74	-74	-69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	-69
1952	Wet	0	0	-12	-48	0	0	0	0	0	0	-44	-12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1956	Wet	-50	-76	-62	-40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	-12	-46	0	0	0	0	0	0	0	0
1959	Dry	-25	-1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	-7	0	0	0	0	0	0	0	-67
1963	Above Normal	0	0	0	-31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	-74	-69
1965	Wet	0	0	0	0	0	0	0	0	0	0	-56	-8
1966	Below Normal	0	-34	-56	0	0	0	0	0	0	0	-25	-68
1967	Wet	-76	0	-8	-71	-38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-12	0	7	0	0	0	0	0	-63	-6
1970	Above Normal	-25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-78	-11	-83	0	0	0	0	0	-1	-74	-28
1974	Wet	-72	-82	-86	-75	0	0	0	0	0	0	0	0
1975	Wet	0	0	-75	-83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	-2
1978	Wet	0	0	-10	-71	-33	0	0	0	0	0	-61	-13
1979	Above Normal	-40	0	-86	-44	0	0	0	0	0	0	0	0
1980	Wet	0	-77	-82	17	-32	0	0	0	0	0	-11	-14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1982	Wet	-74	0	-86	-38	0	0	0	-79	-71	0	0	0
1983	Wet	0	0	0	0	-7	0	0	0	-46	0	0	0
1984	Above Normal	-27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	-2
1986	Wet	0	-80	-86	-48	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-31
1993	Wet	-74	-76	-72	-58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-36	-69
1995	Wet	0	-71	0	-45	-7	0	0	0	0	0	0	-17
1996	Wet	0	-14	-6	-20	0	0	0	0	0	0	0	0
1997	Wet	-34	-3	-2	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-3	0	6	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	-86	-41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1923	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1926	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1927	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1928	Below Normal	-	-	-100%	-	-	-	-	-	-	-	-	-
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1933	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1936	Above Normal	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1937	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	0%
1938	Wet	-	-	-100%	111%	51%	-	-	-	-	-	-100%	-100%
1939	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1940	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1941	Wet	-100%	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1942	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-100%
1943	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1944	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1945	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1946	Above Normal	-	-	-100%	-	-	-	-	-	-	-	-100%	-100%
1947	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-	-	-	-	-	-	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1952	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1953	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1954	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1955	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1956	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1957	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1958	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1959	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-	-	-	-100%	-	-	-	-	-	-	-	-100%
1963	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1965	Wet	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1966	Below Normal	-	-100%	-100%	-	-	-	-	-	-	-	-100%	-100%
1967	Wet	-100%	-	-100%	-100%	-100%	-	-	-	-	-	-	-
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	-	-	-100%	-100%	17%	-	-	-	-	-	-100%	-100%
1970	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1971	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1974	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1975	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1978	Wet	-	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1979	Above Normal	-100%	-	-100%	-85%	-	-	-	-	-	-	-	-
1980	Wet	-	-100%	-100%	46%	-100%	-	-	-	-	-	-100%	-100%
1981	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1982	Wet	-100%	-	-100%	-100%	-	-	-	-100%	-100%	-	-	-
1983	Wet	-	-	-	-	-13%	-	-	-	-100%	-	0%	-
1984	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1985	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1986	Wet	-	-100%	-100%	-62%	-	-	-	-	-	-	-	-
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1993	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1995	Wet	-	-100%	-	-63%	-12%	-	-	-	-	-	-	-100%
1996	Wet	-100%	-17%	-7%	-24%	-	-	-	-	-	-	-	-
1997	Wet	-44%	-19%	-2%	-	-	-	-	-	-	-	-	-
1998	Wet	-	-	-100%	-	15%	-	-	-	-	-	-	-
1999	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
2000	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
2001	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,811	3,559	5,150	7,708	8,580	7,075	4,199	3,214	2,008	1,645	2,026	2,651
1923	Below Normal	2,215	2,571	3,912	5,671	6,132	5,290	3,567	2,811	1,675	1,208	1,324	1,733
1924	Critical	1,518	1,792	2,510	3,515	3,695	3,353	2,517	2,008	1,181	778	731	1,018
1925	Dry	2,084	2,337	3,672	5,271	5,652	4,944	3,453	2,739	1,620	1,132	1,191	1,627
1926	Dry	1,889	2,054	3,148	4,400	4,605	4,187	3,198	2,578	1,494	960	898	1,261
1927	Wet	2,269	2,723	4,094	5,973	6,495	5,554	3,657	2,869	1,721	1,269	1,427	1,855
1928	Above Normal	2,134	2,487	3,945	5,727	6,200	5,339	3,583	2,821	1,683	1,218	1,343	1,819
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,352	3,314	4,672	4,932	4,425	3,283	2,632	1,538	1,018	992	1,375
1931	Critical	1,482	1,744	2,442	3,404	3,563	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,638	1,828	2,734	3,881	4,135	3,676	2,636	2,084	1,246	862	859	1,172
1933	Critical	1,392	1,524	2,299	3,171	3,283	3,051	2,406	1,937	1,120	700	610	874
1934	Critical	1,544	1,827	2,558	3,593	3,789	3,423	2,543	2,024	1,195	796	758	1,051
1935	Below Normal	1,512	1,691	3,387	4,795	5,080	4,532	3,318	2,654	1,555	1,042	1,033	1,378
1936	Below Normal	2,237	2,347	3,854	5,575	6,017	5,207	3,539	2,794	1,662	1,189	1,292	1,754
1937	Below Normal	1,681	2,486	3,531	5,036	5,369	4,741	3,386	2,697	1,588	1,087	1,113	1,528
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	2,002	2,553	3,603	5,156	5,514	4,641	3,420	2,719	1,604	1,110	1,153	1,524
1940	Above Normal	2,049	2,498	3,826	5,527	5,960	5,166	3,526	2,785	1,655	1,181	1,276	1,735
1941	Wet	2,678	3,388	4,654	6,978	8,208	6,807	4,111	3,158	1,965	1,586	1,923	2,521
1942	Wet	2,803	3,553	5,169	7,740	8,617	6,425	4,208	3,219	2,012	1,651	2,037	2,664
1943	Wet	2,849	3,114	5,128	7,671	8,535	7,043	4,189	3,207	2,003	1,638	2,014	2,544
1944	Dry	1,971	2,149	3,306	4,660	4,917	4,415	3,279	2,629	1,536	1,016	987	1,370
1945	Below Normal	2,233	2,952	4,422	6,509	7,139	6,026	3,831	2,980	1,816	1,391	1,615	2,147
1946	Below Normal	2,445	2,935	4,389	6,454	7,073	5,978	3,813	2,968	1,806	1,379	1,596	2,124
1947	Dry	2,052	2,498	3,904	5,658	6,117	5,279	3,563	2,809	1,673	1,205	1,320	1,728
1948	Below Normal	1,802	2,087	3,189	4,467	4,686	4,246	3,220	2,592	1,506	975	921	1,289
1949	Dry	2,079	2,770	4,365	6,415	7,027	5,944	3,801	2,960	1,799	1,370	1,582	2,108
1950	Below Normal	1,996	2,331	3,618	5,180	5,543	4,865	3,427	2,723	1,608	1,115	1,161	1,589
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066
1952	Wet	2,991	3,392	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,107	2,417	3,773	5,439	5,855	5,090	3,501	2,770	1,643	1,164	1,247	1,698
1954	Above Normal	2,099	2,385	3,707	5,328	5,721	4,874	3,469	2,750	1,628	1,143	1,210	1,651
1955	Dry	2,252	2,487	3,885	5,627	6,080	5,252	3,554	2,803	1,669	1,199	1,310	1,715
1956	Wet	2,967	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308
1958	Wet	2,883	3,294	5,286	8,032	9,475	7,720	4,411	3,347	2,110	1,786	2,274	2,964
1959	Below Normal	1,978	1,942	3,515	5,008	5,336	4,716	3,378	2,692	1,584	1,082	1,103	1,464
1960	Dry	1,941	2,558	3,566	5,094	5,439	3,540	3,403	2,707	1,596	1,098	1,132	1,553
1961	Dry	2,100	2,778	3,885	5,575	6,080	3,511	3,554	2,803	1,669	1,199	1,310	1,776
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778
1963	Wet	2,208	2,618	3,946	5,728	6,202	5,340	3,583	2,822	1,683	1,219	1,343	1,756
1964	Dry	2,247	2,742	3,875	5,609	6,059	4,976	3,549	2,800	1,667	1,196	1,304	1,769
1965	Wet	2,260	2,581	4,947	7,369	8,171	4,820	4,103	3,153	1,961	1,580	1,913	2,508
1966	Below Normal	2,230	2,222	3,967	5,763	6,244	5,371	3,593	2,828	1,688	1,225	1,355	1,834
1967	Wet	3,010	3,392	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,028	2,532	3,555	5,075	5,417	4,775	3,397	2,704	1,593	1,095	1,126	1,545
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157
1971	Wet	1,972	2,282	3,542	5,053	5,390	4,755	3,391	2,700	1,590	1,091	1,119	1,482
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679
1973	Above Normal	2,297	2,809	4,217	6,173	6,736	5,730	3,722	2,910	1,756	1,315	1,497	2,006
1974	Wet	2,898	3,229	5,243	7,864	8,767	5,806	4,243	3,241	2,029	1,674	2,078	2,716
1975	Wet	2,435	3,054	4,407	6,484	7,110	5,048	3,823	2,974	1,812	1,386	1,606	2,063
1976	Critical	1,754	2,054	2,896	3,988	4,111	3,824	3,065	2,493	1,421	866	753	1,088
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,597	3,863	5,412	7,725	9,106	7,454	4,324	3,292	2,068	1,728	2,172	2,835
1979	Below Normal	2,184	2,782	4,187	6,124	6,677	5,687	3,706	2,900	1,748	1,304	1,480	1,917
1980	Above Normal	2,971	3,746	4,985	7,531	8,872	7,286	4,139	3,257	2,041	1,691	2,107	2,753
1981	Dry	2,123	2,366	3,731	5,369	5,769	5,029	3,481	2,757	1,634	1,150	1,224	1,668
1982	Wet	3,091	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824
1986	Wet	2,458	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287
1987	Dry	1,564	2,352	3,313	4,672	4,931	4,425	3,283	2,632	1,538	1,018	991	1,328
1988	Critical	1,526	1,747	2,467	3,288	3,270	3,208	2,838	2,348	1,297	707	508	794
1989	Dry	1,512	2,278	3,547	5,062	5,401	4,164	3,394	2,702	1,591	1,092	1,121	1,539
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,741	2,654	3,750	3,977	3,560	2,593	2,056	1,223	832	813	1,079
1992	Critical	1,605	2,085	2,921	3,869	4,508	3,946	2,727	1,921	1,292	924	964	1,303
1993	Above Normal	2,221	2,940	3,921	5,775	6,764	5,714	3,730	2,915	1,761	1,320	1,505	2,016
1994	Critical	2,154	2,661	3,727	5,294	6,059	4,378	3,120	2,390	1,487	1,189	1,415	1,865
1995	Wet	2,872	3,893	5,446	7,781	9,173	7,503	4,340	3,302	2,075	1,738	2,191	2,760
1996	Wet	2,515	2,924	4,710	6,978	7,702	5,862	3,983	3,077	1,899	1,498	1,779	2,344
1997	Wet	2,799	3,118	4,681	7,022	8,261	5,593	4,124	3,166	1,971	1,594	1,938	2,540
1998	Wet	2,967	3,961	5,604	8,467	9,492	7,732	4,415	3,350	2,112	1,789	2,279	2,970
1999	Wet	2,194	2,711	4,083	5,954	6,474	5,538	3,651	2,865	1,718	1,265	1,420	1,848
2000	Above Normal	2,205	2,726	4,097	5,978	6,502	5,559	3,659	2,870	1,722	1,271	1,429	1,924
2001	Dry	2,134	2,386	3,713	5,339	5,734	5,003	3,472	2,752	1,629	1,145	1,214	1,655
2002	Dry	2,108	2,319	3,591	5,136	5,489	4,827	3,415	2,715	1,602	1,106	1,146	1,570
2003	Above Normal	2,227	2,623	3,951	5,736	6,211	5,347	3,585	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)

Alternative 1 (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,805	3,548	5,133	7,680	8,546	6,812	4,191	3,208	2,004	1,639	2,017	2,639
1923	Below Normal	2,196	2,545	3,873	5,607	6,056	5,235	3,548	2,800	1,666	1,196	1,303	1,707
1924	Critical	1,543	1,826	2,557	3,592	3,788	3,422	2,542	2,024	1,195	796	758	1,051
1925	Dry	2,050	2,250	3,517	5,013	5,341	4,720	3,380	2,693	1,585	1,083	1,105	1,518
1926	Dry	1,953	2,128	3,269	4,598	4,842	3,077	3,262	2,618	1,528	1,004	967	1,344
1927	Wet	2,249	2,694	4,054	5,908	6,418	5,497	3,636	2,855	1,709	1,255	1,404	1,829
1928	Above Normal	2,145	2,515	3,949	5,733	6,207	5,344	3,584	2,822	1,683	1,220	1,345	1,821
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,353	3,314	4,673	4,933	4,426	3,283	2,632	1,538	1,018	992	1,376
1931	Critical	1,482	1,744	2,442	3,405	3,563	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,636	1,826	2,731	3,877	4,129	3,672	2,634	2,083	1,245	861	857	1,170
1933	Critical	1,392	1,508	2,272	3,127	3,230	3,012	2,391	1,928	1,113	690	595	855
1934	Critical	1,533	1,812	2,538	3,561	3,750	3,394	2,532	2,017	1,189	789	747	1,038
1935	Below Normal	1,512	1,689	3,369	4,765	5,044	4,506	3,309	2,648	1,551	1,036	1,023	1,366
1936	Below Normal	2,238	2,550	3,855	5,577	6,020	5,209	3,540	2,794	1,662	1,190	1,293	1,755
1937	Below Normal	1,686	2,491	3,533	5,039	5,373	4,743	3,387	2,698	1,588	1,088	1,114	1,529
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	1,958	2,454	3,459	4,916	5,225	3,509	3,352	2,675	1,571	1,065	1,073	1,427
1940	Above Normal	2,091	2,559	3,913	5,673	6,136	5,293	3,567	2,812	1,675	1,208	1,325	1,796
1941	Wet	2,659	3,355	4,607	6,898	8,112	6,738	4,089	3,144	1,954	1,571	1,897	2,488
1942	Wet	2,798	3,547	5,159	7,724	8,599	6,368	4,204	3,216	2,010	1,648	2,031	2,658
1943	Wet	2,833	3,439	5,111	7,643	8,501	7,011	4,181	3,202	1,999	1,632	2,004	2,533
1944	Dry	1,959	2,135	3,282	4,619	4,868	4,379	3,268	2,622	1,531	1,008	974	1,353
1945	Below Normal	2,215	2,904	4,356	6,400	7,008	5,930	3,796	2,957	1,797	1,367	1,577	2,101
1946	Below Normal	2,419	2,899	4,338	6,371	6,974	5,905	3,786	2,951	1,792	1,360	1,566	2,089
1947	Dry	2,054	2,504	3,915	5,677	6,140	5,296	3,568	2,812	1,676	1,209	1,326	1,735
1948	Below Normal	1,802	2,083	3,182	4,456	4,672	4,236	3,217	2,590	1,504	973	917	1,285
1949	Dry	2,080	2,773	4,369	6,422	7,035	5,950	3,803	2,962	1,801	1,372	1,584	2,111
1950	Below Normal	1,995	2,330	3,615	5,176	5,538	4,862	3,426	2,722	1,607	1,114	1,160	1,587
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066
1952	Wet	2,988	3,783	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,075	2,378	3,704	5,325	5,717	4,991	3,468	2,749	1,627	1,142	1,209	1,650
1954	Above Normal	2,107	2,394	3,722	5,354	5,752	4,889	3,477	2,754	1,631	1,148	1,219	1,662
1955	Dry	2,250	2,484	3,881	5,619	6,071	5,246	3,552	2,802	1,668	1,198	1,307	1,712
1956	Wet	2,933	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308
1958	Wet	2,883	3,665	5,192	7,876	9,288	7,585	4,367	3,320	2,089	1,756	2,222	2,898
1959	Below Normal	1,987	2,245	3,506	4,993	5,318	4,703	3,374	2,689	1,582	1,079	1,098	1,458
1960	Dry	1,940	2,559	3,567	5,096	5,442	3,532	3,403	2,708	1,596	1,099	1,133	1,554
1961	Dry	2,100	2,778	3,885	5,574	6,078	3,511	3,554	2,803	1,669	1,199	1,309	1,776
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778
1963	Wet	2,200	2,606	3,929	5,699	6,167	5,315	3,575	2,816	1,679	1,213	1,334	1,744
1964	Dry	2,250	2,745	3,879	5,617	6,068	4,979	3,551	2,801	1,668	1,197	1,306	1,772
1965	Wet	2,241	2,555	4,832	7,177	7,941	4,694	4,048	3,118	1,935	1,544	1,849	2,428
1966	Below Normal	2,240	2,517	3,937	5,714	6,184	5,328	3,579	2,819	1,681	1,216	1,338	1,813
1967	Wet	3,003	3,783	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,027	2,530	3,552	5,071	5,411	4,771	3,396	2,703	1,593	1,094	1,124	1,543
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157
1971	Wet	1,972	2,282	3,542	5,054	5,390	4,756	3,391	2,700	1,590	1,091	1,119	1,483
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679
1973	Above Normal	2,297	2,809	4,216	6,172	6,735	5,730	3,722	2,910	1,756	1,315	1,497	2,006
1974	Wet	2,817	3,574	5,161	7,727	8,602	5,606	4,205	3,217	2,010	1,648	2,033	2,659
1975	Wet	2,444	3,066	4,425	6,513	7,144	5,064	3,832	2,980	1,817	1,392	1,616	2,075
1976	Critical	1,753	2,053	2,894	3,984	4,106	3,821	3,064	2,492	1,420	865	752	1,086
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,568	3,792	5,252	7,458	8,785	7,223	4,248	3,244	2,031	1,677	2,083	2,723
1979	Below Normal	2,167	2,784	4,189	6,127	6,681	5,690	3,707	2,901	1,748	1,305	1,481	1,918
1980	Above Normal	2,955	3,722	4,950	7,472	8,802	7,235	4,252	3,247	2,033	1,680	2,088	2,729
1981	Dry	2,127	2,330	3,667	5,262	5,641	4,936	3,450	2,738	1,619	1,130	1,188	1,623
1982	Wet	3,063	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824
1986	Wet	2,440	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287
1987	Dry	1,555	2,346	3,304	4,656	4,912	4,411	3,278	2,629	1,536	1,015	986	1,321
1988	Critical	1,520	1,740	2,457	3,272	3,251	3,194	2,832	2,345	1,294	703	502	787
1989	Dry	1,512	2,284	3,545	5,059	5,397	4,253	3,393	2,701	1,591	1,092	1,121	1,538
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,740	2,652	3,747	3,973	3,558	2,592	2,056	1,222	831	812	1,077
1992	Critical	1,604	2,082	2,918	3,868	4,502	3,942	2,726	1,921	1,291	923	962	1,301
1993	Above Normal	2,219	2,931	3,908	5,755	6,740	5,699	3,723	2,911	1,757	1,316	1,498	2,007
1994	Critical	2,155	2,663	3,730	5,298	6,068	4,379	3,121	2,391	1,488	1,190	1,416	1,867
1995	Wet	2,851	3,802	5,276	7,498	8,833	7,258	4,259	3,251	2,037	1,685	2,096	2,645
1996	Wet	2,527	3,178	4,597	6,794	7,481	5,293	3,924	3,038	1,867	1,456	1,715	2,267
1997	Wet	2,798	3,118	4,681	7,023	8,262	5,518	4,124	3,166	1,971	1,594	1,938	2,540
1998	Wet	2,938	3,928	5,506	8,303	9,295	7,590	4,368	3,321	2,089	1,758	2,224	2,801
1999	Wet	2,205	2,726	4,105	5,990	6,516	5,569	3,663	2,872	1,724	1,273	1,433	1,962
2000	Above Normal	2,203	2,723	4,094	5,972	6,495	5,553	3,657	2,869	1,721	1,269	1,427	1,922
2001	Dry	2,136	2,388	3,715	5,343	5,739	5,007	3,474	2,752	1,630	1,146	1,215	1,657
2002	Dry	2,108	2,319	3,591	5,135	5,489	4,826	3,414	2,715	1,601	1,106	1,146	1,570
2003	Above Normal	2,225	2,621	3,948	5,731	6,205	5,343	3,584	n/a	n/a	n/a	n/a	n/a

Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 1 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	-6	-12	-17	-28	-34	-263	-8	-5	-4	-5	-9	-12
1923	Below Normal	-18	-26	-38	-64	-77	-55	-18	-11	-9	-12	-21	-26
1924	Critical	25	34	48	78	93	68	25	16	14	18	27	33
1925	Dry	-34	-88	-155	-258	-310	-224	-73	-46	-35	-49	-86	-108
1926	Dry	64	74	121	198	237	-1,110	63	40	34	44	69	83
1927	Wet	-19	-28	-40	-65	-78	-57	-21	-13	-12	-15	-23	-26
1928	Above Normal	11	28	3	6	7	5	2	1	1	1	2	2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	-2	-2	-3	-5	-6	-4	-2	-1	-1	-1	-2	-2
1933	Critical	0	-17	-27	-44	-53	-39	-14	-9	-8	-10	-15	-18
1934	Critical	-11	-14	-20	-33	-39	-29	-11	-7	-6	-7	-11	-14
1935	Below Normal	0	-2	-18	-30	-36	-26	-9	-5	-4	-6	-10	-12
1936	Below Normal	1	203	1	2	3	2	1	0	0	0	1	1
1937	Below Normal	6	4	2	3	3	2	1	1	0	1	1	1
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-43	-100	-144	-240	-289	-1,133	-68	-43	-33	-46	-80	-97
1940	Above Normal	42	60	87	146	176	126	41	26	20	28	49	61
1941	Wet	-19	-33	-48	-80	-96	-69	-23	-14	-11	-15	-27	-33
1942	Wet	-4	-6	-9	-16	-19	-57	-4	-3	-2	-3	-5	-7
1943	Wet	-16	326	-17	-28	-34	-32	-8	-5	-4	-5	-9	-12
1944	Dry	-12	-14	-24	-41	-49	-35	-12	-7	-6	-8	-14	-17
1945	Below Normal	-19	-48	-67	-109	-131	-96	-35	-23	-19	-25	-38	-46
1946	Below Normal	-27	-36	-51	-83	-100	-73	-27	-17	-15	-19	-29	-35
1947	Dry	3	7	11	19	23	16	5	3	3	4	6	8
1948	Below Normal	0	-4	-7	-11	-14	-10	-4	-2	-2	-3	-4	-5
1949	Dry	0	2	4	7	8	6	2	1	1	2	2	3
1950	Below Normal	-1	-1	-2	-4	-5	-3	-1	-1	-1	-1	-1	-2
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	-3	391	0	0	0	0	0	0	0	0	0	0
1953	Wet	-32	-39	-69	-115	-138	-99	-33	-21	-16	-22	-38	-48
1954	Above Normal	7	9	15	26	31	16	7	5	4	5	9	11
1955	Dry	-2	-3	-5	-8	-9	-7	-2	-1	-1	-1	-3	-3
1956	Wet	-33	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	372	-93	-156	-187	-135	-44	-28	-21	-30	-52	-65
1959	Below Normal	10	303	-9	-15	-18	-13	-4	-3	-2	-3	-5	-6
1960	Dry	0	1	1	2	3	-9	1	0	0	0	1	1
1961	Dry	0	-1	-1	-1	-2	0	0	0	0	0	0	-1
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	-8	-12	-18	-29	-35	-25	-8	-5	-4	-6	-10	-12
1964	Dry	2	3	4	7	9	4	2	1	1	1	2	3
1965	Wet	-19	-27	-115	-191	-230	-126	-55	-35	-27	-37	-64	-80
1966	Below Normal	10	295	-30	-50	-60	-43	-14	-9	-7	-9	-17	-21
1967	Wet	-7	391	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	-2	-3	-5	-6	-4	-1	-1	-1	-1	-2	-2
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	-80	345	-82	-136	-164	-200	-39	-25	-19	-26	-45	-57
1975	Wet	9	12	17	28	34	16	9	6	5	6	10	11
1976	Critical	-1	-2	-2	-4	-4	-3	-1	-1	-1	-1	-1	-2
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-29	-72	-160	-267	-321	-231	-76	-48	-37	-51	-89	-112
1979	Below Normal	-17	1	2	3	4	3	1	1	1	1	1	1
1980	Above Normal	-16	-24	-35	-58	-70	-51	112	-10	-8	-11	-19	-24
1981	Dry	3	-36	-64	-107	-129	-93	-30	-19	-15	-20	-36	-45
1982	Wet	-28	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-17	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	-9	-7	-10	-16	-19	-14	-5	-3	-2	-3	-5	-7
1988	Critical	-5	-7	-10	-16	-19	-14	-5	-3	-3	-4	-6	-7
1989	Dry	0	7	-2	-3	-3	89	-1	-1	0	-1	-1	-1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	-1	-2	-3	-4	-3	-1	-1	-1	-1	-1	-1
1992	Critical	-1	-3	-3	-1	-6	-4	-1	0	-1	-1	-2	-2
1993	Above Normal	-2	-9	-12	-20	-24	-15	-7	-4	-4	-5	-7	-9
1994	Critical	1	2	3	4	9	1	1	1	1	1	2	2
1995	Wet	-22	-91	-169	-283	-340	-245	-80	-51	-39	-54	-94	-115
1996	Wet	11	254	-113	-184	-221	-569	-60	-38	-33	-42	-65	-77
1997	Wet	0	0	0	0	0	-75	0	0	0	0	0	0
1998	Wet	-29	-33	-98	-164	-197	-142	-47	-29	-22	-31	-55	-69
1999	Wet	10	15	22	35	42	31	11	7	6	8	12	14
2000	Above Normal	-2	-3	-4	-6	-7	-5	-2	-1	-1	-1	-2	-2
2001	Dry	1	1	3	4	5	4	1	1	1	1	1	2
2002	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
2003	Above Normal	-1	-2	-3	-5	-6	-4	-1	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-2%	-1%
1924	Critical	2%	2%	2%	2%	3%	2%	1%	1%	1%	2%	4%	3%
1925	Dry	-2%	-4%	-4%	-5%	-5%	-5%	-2%	-2%	-2%	-4%	-7%	-7%
1926	Dry	3%	4%	4%	4%	5%	-27%	2%	2%	2%	5%	8%	7%
1927	Wet	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-2%	-1%
1928	Above Normal	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	-1%	-1%	-1%	-2%	-1%	-1%	0%	-1%	-1%	-3%	-2%
1934	Critical	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-2%	-1%
1935	Below Normal	0%	0%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%	-1%
1936	Below Normal	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	-4%	-4%	-5%	-5%	-24%	-2%	-2%	-2%	-4%	-7%	-6%
1940	Above Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	2%	4%	4%
1941	Wet	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%
1942	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1943	Wet	-1%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%
1945	Below Normal	-1%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1946	Below Normal	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	-2%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-3%	-3%
1954	Above Normal	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	1%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	11%	-2%	-2%	-2%	-2%	-1%	-1%	-2%	-2%	-2%	-2%
1959	Below Normal	0%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-1%	-1%	-2%	-3%	-3%	-3%	-1%	-1%	-1%	-2%	-3%	-3%
1966	Below Normal	0%	13%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%
1967	Wet	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-3%	11%	-2%	-2%	-2%	-3%	-1%	-1%	-1%	-2%	-2%	-2%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	-2%	-3%	-3%	-4%	-3%	-2%	-1%	-2%	-3%	-4%	-4%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Normal	-1%	-1%	-1%	-1%	-1%	-1%	3%	0%	0%	-1%	-1%	-1%
1981	Dry	0%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-3%	-3%
1982	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%	-1%	-1%
1989	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-1%	-2%	-3%	-4%	-4%	-3%	-2%	-2%	-2%	-3%	-4%	-4%
1996	Wet	0%	9%	-2%	-3%	-3%	-10%	-2%	-1%	-2%	-3%	-4%	-3%
1997	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1998	Wet	-1%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1999	Wet	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%	1%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,527	3,607	4,109	5,577	5,465	5,526	4,052	3,450	3,132	2,833	1,331	1,835
1923	Below Normal	2,349	2,950	3,873	5,504	5,899	5,443	3,738	2,895	2,566	2,160	382	521
1924	Critical	780	1,508	2,039	3,025	3,139	2,590	1,718	1,071	859	704	384	542
1925	Dry	1,233	3,063	4,038	5,754	6,281	5,662	3,859	2,895	2,556	2,106	383	647
1926	Dry	1,178	1,989	3,481	4,950	5,403	4,874	3,333	2,501	2,206	1,815	425	1,125
1927	Wet	2,818	3,790	4,346	5,838	5,712	5,770	4,286	3,679	3,350	3,033	412	752
1928	Above Normal	1,026	3,739	4,231	5,665	5,563	5,587	4,162	3,568	3,248	2,935	373	510
1929	Critical	630	1,250	1,854	2,743	2,846	2,348	1,534	989	791	647	377	658
1930	Dry	858	2,238	2,984	4,322	4,617	4,021	2,714	1,893	1,617	1,338	366	582
1931	Critical	738	1,739	2,349	3,482	3,609	2,980	1,962	1,206	1,013	829	428	753
1932	Dry	1,097	2,311	3,062	4,392	4,770	4,254	2,891	2,124	1,858	1,532	374	607
1933	Critical	948	1,992	2,797	4,114	4,307	3,628	2,419	1,573	1,292	1,068	382	523
1934	Critical	800	1,866	2,519	3,733	3,868	1,572	435	1,744	2,676	2,063	387	723
1935	Below Normal	1,041	3,056	4,055	4,627	5,544	5,908	4,086	3,068	2,723	2,235	416	801
1936	Below Normal	2,702	3,871	4,522	6,066	5,935	5,998	4,461	3,832	3,489	3,158	383	635
1937	Below Normal	1,610	4,043	4,644	6,357	6,228	6,297	4,557	3,848	3,481	3,159	1,183	1,813
1938	Wet	2,539	3,926	4,613	6,384	6,268	6,362	4,509	3,840	3,431	3,114	823	1,370
1939	Dry	2,135	3,102	3,999	4,066	6,436	5,009	4,438	3,430	2,306	3,264	367	553
1940	Above Normal	1,482	3,033	4,090	5,349	6,469	5,834	3,997	3,002	2,655	2,183	924	1,614
1941	Wet	2,341	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,275	1,867
1942	Wet	2,581	3,656	4,199	5,741	5,629	5,697	4,138	3,505	3,178	2,873	574	1,933
1943	Wet	2,716	4,155	4,771	6,511	6,376	6,462	4,696	3,992	3,610	3,271	355	468
1944	Dry	836	2,334	3,096	4,442	4,796	4,250	2,888	2,090	1,818	1,501	539	757
1945	Below Normal	2,701	3,866	4,347	5,838	5,713	5,770	4,286	3,679	3,349	3,033	1,380	1,968
1946	Below Normal	2,714	3,566	4,141	5,583	5,467	5,532	4,092	3,505	3,188	2,881	447	753
1947	Dry	1,128	3,491	4,248	5,872	6,097	5,778	4,113	3,306	2,968	2,567	380	501
1948	Below Normal	642	1,884	3,071	2,628	6,144	5,586	3,974	3,003	2,679	2,190	546	755
1949	Dry	1,096	3,519	4,238	5,836	6,016	5,745	4,112	3,334	3,000	2,611	385	527
1950	Below Normal	866	2,754	3,631	2,278	6,288	5,694	3,994	2,999	2,655	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,244	4,056	5,547	5,452	5,550	3,989	3,405	3,021	2,725	1,405	1,960
1953	Wet	2,563	3,210	3,833	5,292	5,399	5,238	3,749	3,078	2,771	2,431	537	919
1954	Above Normal	1,933	3,060	4,045	5,702	6,198	5,752	3,918	2,940	2,595	2,137	469	809
1955	Dry	1,271	2,558	3,379	4,825	5,271	4,741	3,229	2,416	2,130	1,754	1,384	2,051
1956	Wet	2,957	4,159	4,747	6,426	6,288	6,377	4,687	4,004	3,638	3,290	520	759
1957	Above Normal	1,255	2,527	2,752	1,661	6,187	5,552	3,802	2,841	2,518	2,060	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	440	919
1959	Below Normal	1,904	2,911	3,845	4,092	6,297	5,688	3,935	2,958	2,623	2,152	365	482
1960	Dry	912	3,307	4,291	5,108	6,762	5,303	4,565	3,488	3,113	2,570	374	584
1961	Dry	814	2,737	3,608	4,976	5,638	4,652	2,598	1,201	2,972	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,632	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	377	1,622
1964	Dry	2,589	3,769	4,245	5,705	5,583	5,644	4,190	3,595	3,273	2,961	1,096	1,793
1965	Wet	2,178	3,417	3,918	5,233	5,272	5,266	3,872	3,281	2,977	2,669	1,125	1,785
1966	Below Normal	2,124	2,983	3,913	5,415	6,091	5,557	3,795	2,896	2,560	2,130	373	1,935
1967	Wet	2,718	3,907	4,557	6,218	6,088	6,165	4,485	3,804	3,449	3,122	1,249	1,931
1968	Below Normal	2,482	3,113	3,855	5,403	5,659	5,346	3,745	2,985	2,666	2,291	1,120	1,814
1969	Wet	2,518	3,821	4,418	5,979	5,868	5,970	4,352	3,746	3,351	3,015	1,293	1,916
1970	Wet	2,759	3,655	4,260	5,740	5,619	5,687	4,210	3,607	3,281	2,965	1,311	1,706
1971	Wet	1,740	2,850	3,835	5,481	6,026	5,440	3,680	2,768	2,436	2,009	472	1,512
1972	Below Normal	2,358	3,119	3,998	5,664	6,077	5,587	3,848	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,798	3,745	4,372	5,880	5,754	5,818	4,316	3,702	3,370	3,049	1,336	1,986
1974	Wet	2,729	3,925	4,515	6,170	6,045	6,126	4,450	3,773	3,420	3,094	599	933
1975	Wet	2,766	3,788	4,260	5,723	5,600	5,655	4,200	3,605	3,283	2,973	434	740
1976	Critical	1,117	2,876	3,794	3,853	6,224	4,809	4,177	3,150	2,811	2,293	373	510
1977	Critical	631	774	402	186	208	215	1,288	571	1,957	3,126	370	883
1978	Above Normal	2,300	3,405	3,992	5,393	5,281	5,330	3,929	3,355	3,048	2,761	503	764
1979	Below Normal	2,560	3,699	4,280	5,809	5,691	5,747	4,211	3,583	3,252	2,946	422	1,626
1980	Above Normal	2,477	3,770	4,353	5,883	5,774	5,873	4,286	3,697	3,295	2,976	396	1,064
1981	Dry	1,517	2,792	3,761	3,140	6,327	5,456	4,089	3,080	2,744	2,239	1,252	1,898
1982	Wet	2,755	4,237	4,929	6,769	6,638	6,733	4,821	4,132	3,700	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,704	3,654	4,315	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,503	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,734	4,044	4,605	6,181	6,058	6,153	4,549	3,915	3,519	3,180	355	485
1987	Dry	599	1,935	2,611	3,859	3,995	3,303	2,191	1,371	1,103	907	388	629
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	383	590
1989	Dry	664	3,163	4,234	5,245	6,723	5,805	4,274	3,218	2,855	2,341	374	568
1990	Critical	774	1,677	2,266	3,361	3,485	2,876	1,906	1,189	954	784	380	520
1991	Critical	642	1,318	1,714	2,035	2,936	2,421	1,652	1,016	791	676	379	501
1992	Critical	642	1,282	1,735	2,573	1,005	218	2,045	2,139	740	2,385	374	1,742
1993	Above Normal	2,370	3,319	3,999	4,658	5,852	5,626	4,052	3,305	2,980	2,593	537	730
1994	Critical	1,195	2,607	3,444	4,515	5,458	3,046	3,425	1,254	2,268	3,679	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,022	3,641	3,301	878	1,423
1996	Wet	2,620	3,857	4,356	5,869	5,745	5,809	4,298	3,682	3,350	3,030	1,248	1,834
1997	Wet	2,484	3,793	4,383	6,026	5,909	5,987	4,314	3,637	3,290	2,977	454	1,762
1998	Wet	2,504	3,709	4,709	6,504	6,384	6,471	4,590	3,918	3,498	3,180	1,292	1,738
1999	Wet	2,685	3,681	4,284	5,770	5,648	5,716	4,234	3,629	3,301	2,983	516	844
2000	Above Normal	1,772	3,218	4,142	5,852	6,271	5,759	3,978	3,067	2,725	2,291	359	491
2001	Dry	800	1,977	2,668	3,950	4,091	3,380	2,238	1,399	1,125	925	351	911
2002	Dry	1,399	3,820	4,274	5,716	5,591	5,639	4,209	3,623	2,588	3,683	446	952
2003	Above Normal	1,414	2,615	3,457	2,667	5,863	5,299	3,716	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 1 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,635	3,845	4,507	6,398	6,272	6,357	4,629	3,923	3,565	3,241	1,340	1,899		
1923	Below Normal	2,553	3,106	2,583	2,941	6,620	6,295	4,629	3,760	3,408	2,932	676	652		
1924	Critical	838	1,747	2,361	2,869	1,776	270	496	2,571	3,152	3,773	524	721		
1925	Dry	1,000	2,594	3,426	4,946	5,394	4,858	3,330	2,504	2,218	1,835	579	717		
1926	Dry	1,278	2,119	3,857	5,124	6,091	5,498	3,774	1,869	3,099	2,500	497	973		
1927	Wet	2,768	3,695	4,236	5,360	5,841	5,897	4,456	3,856	3,537	3,214	632	752		
1928	Above Normal	978	3,591	4,258	3,905	6,361	6,183	4,600	3,842	3,500	3,082	552	619		
1929	Critical	767	1,542	2,085	3,099	932	785	739	1,414	1,194	3,528	455	647		
1930	Dry	840	2,209	2,950	2,975	4,867	4,230	2,920	2,010	1,711	1,409	445	610		
1931	Critical	756	1,736	2,345	3,480	3,609	1,177	377	1,291	1,758	3,213	450	753		
1932	Dry	1,111	2,330	3,083	4,601	4,992	4,492	3,123	2,362	2,104	1,761	610	616		
1933	Critical	895	1,902	2,705	4,035	4,186	3,474	2,313	1,450	1,196	988	450	574		
1934	Critical	856	1,976	2,668	3,957	4,100	598	441	2,363	3,148	2,446	424	736		
1935	Below Normal	1,057	3,136	4,166	3,627	7,120	6,518	4,633	3,531	3,172	2,621	553	755		
1936	Below Normal	2,614	3,902	4,507	6,235	6,098	6,162	4,638	4,006	3,669	3,333	378	596		
1937	Below Normal	1,568	4,008	4,613	6,515	6,382	6,451	4,718	4,001	3,641	3,132	1,158	1,807		
1938	Wet	2,506	3,881	4,567	6,325	6,397	6,490	4,654	3,982	3,584	3,264	864	1,242		
1939	Dry	2,013	3,157	4,051	4,486	6,622	5,179	4,644	3,633	2,101	3,654	549	555		
1940	Above Normal	1,479	3,032	4,089	5,529	6,648	6,013	4,183	3,182	2,841	2,269	924	1,614		
1941	Wet	2,340	3,499	4,153	5,916	5,807	5,891	4,286	3,615	3,263	2,861	1,274	1,860		
1942	Wet	2,569	3,634	4,168	5,883	5,765	5,831	4,299	3,668	3,350	3,041	508	1,924		
1943	Wet	2,704	4,137	4,740	6,653	6,512	6,596	4,862	4,149	3,780	3,437	539	468		
1944	Dry	850	2,327	3,087	4,557	4,902	4,352	2,998	2,194	1,925	1,607	658	757		
1945	Below Normal	2,660	3,870	4,352	6,035	5,903	5,960	4,482	3,868	3,544	3,221	1,565	1,968		
1946	Below Normal	2,726	3,582	4,159	5,799	5,675	5,741	4,302	3,705	3,393	3,079	639	744		
1947	Dry	1,119	3,480	4,249	5,958	6,195	5,862	4,188	3,370	3,034	2,627	454	502		
1948	Below Normal	642	1,887	3,127	2,628	6,156	5,597	3,979	3,007	2,681	2,192	544	754		
1949	Dry	1,093	3,517	4,239	5,843	6,028	5,752	4,116	3,336	3,001	2,611	390	527		
1950	Below Normal	867	2,753	3,631	2,357	6,367	5,774	4,076	3,078	2,736	2,177	1,499	2,042		
1951	Above Normal	2,732	3,621	4,282	5,967	5,840	5,908	4,422	3,808	3,486	3,163	1,251	1,515		
1952	Wet	2,142	3,243	3,882	5,388	5,477	5,557	4,016	3,369	3,049	2,764	1,616	1,959		
1953	Wet	2,536	3,209	3,835	5,446	5,503	5,387	3,933	3,280	2,982	2,648	700	923		
1954	Above Normal	2,000	3,083	4,077	5,885	6,261	5,835	3,988	3,004	2,658	2,197	522	805		
1955	Dry	1,266	2,537	3,352	4,807	5,249	4,723	3,223	2,417	2,133	1,759	1,378	2,053		
1956	Wet	2,959	4,162	4,749	6,619	6,475	6,564	4,880	4,191	3,831	3,477	705	759		
1957	Above Normal	1,253	2,529	2,759	1,845	6,353	5,724	3,993	3,027	2,710	2,245	614	1,976		
1958	Wet	2,829	4,376	5,062	7,111	6,967	7,057	5,136	4,442	4,007	3,651	647	903		
1959	Below Normal	1,783	2,836	3,746	3,635	6,310	5,710	4,001	3,028	2,701	2,225	449	482		
1960	Dry	923	3,319	4,292	5,209	6,718	5,386	4,507	3,458	3,086	2,556	374	584		
1961	Dry	815	2,743	3,617	4,987	5,651	4,686	2,598	1,202	2,973	3,157	385	527		
1962	Below Normal	1,380	2,778	3,702	2,817	6,512	5,913	4,208	3,209	2,872	2,383	1,577	1,962		
1963	Wet	2,640	3,535	4,111	5,736	5,615	5,679	4,254	3,663	3,354	3,043	562	1,627		
1964	Dry	2,590	3,767	4,243	5,705	5,584	5,645	4,192	3,597	3,274	2,962	1,102	1,792		
1965	Wet	2,152	3,416	3,922	5,385	5,479	5,466	4,073	3,471	3,173	2,856	1,310	1,783		
1966	Below Normal	2,121	2,982	3,913	5,553	6,230	5,695	3,938	3,033	2,702	2,267	509	1,935		
1967	Wet	2,719	3,908	4,546	6,200	6,257	6,332	4,665	3,981	3,490	3,301	1,402	1,911		
1968	Below Normal	2,437	3,054	3,859	5,632	5,965	5,568	3,914	3,100	2,781	2,382	1,138	1,791		
1969	Wet	2,504	3,803	4,399	5,955	6,030	6,132	4,525	3,923	3,523	3,182	1,293	1,916		
1970	Wet	2,743	3,657	4,277	5,953	5,826	5,894	4,417	3,806	3,486	3,162	1,495	1,704		
1971	Wet	1,733	2,844	3,827	5,558	6,133	5,548	3,796	2,880	2,553	2,121	588	1,515		
1972	Below Normal	2,359	3,119	3,997	5,666	6,078	5,589	3,851	2,972	2,638	2,217	401	2,004		
1973	Above Normal	2,798	3,745	4,373	6,071	5,940	6,004	4,507	3,888	3,561	3,234	1,521	1,982		
1974	Wet	2,724	3,866	4,424	6,219	6,092	6,164	4,553	3,892	3,556	3,227	793	938		
1975	Wet	2,787	3,830	4,307	5,977	5,846	5,902	4,438	3,830	3,510	3,191	623	739		
1976	Critical	1,111	2,860	3,774	3,836	6,190	4,806	4,147	3,126	2,789	2,275	673	510		
1977	Critical	631	851	404	186	208	218	1,288	575	1,951	3,125	370	884		
1978	Above Normal	2,234	3,332	4,001	5,671	5,700	5,595	4,103	3,438	3,130	2,796	665	761		
1979	Below Normal	2,583	3,732	4,269	5,966	5,841	5,897	4,393	3,770	3,448	3,135	406	1,629		
1980	Above Normal	2,444	3,564	4,189	5,911	5,798	5,882	4,330	3,677	3,329	3,019	539	1,091		
1981	Dry	1,713	2,861	3,858	3,870	6,580	5,593	4,335	3,306	2,969	2,455	1,433	1,896		
1982	Wet	2,751	4,238	4,930	6,961	6,824	6,919	5,013	4,318	3,701	3,357	1,069	1,505		
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,579	4,037	3,268	2,894	2,611	1,397	1,829		
1984	Wet	2,702	3,654	4,316	6,002	5,873	5,942	4,457	3,843	3,520	3,193	1,376	975		
1985	Dry	2,496	3,504	4,063	5,596	5,476	5,532	4,141	3,564	3,259	2,956	492	520		
1986	Wet	2,711	4,046	4,607	6,375	6,245	6,340	4,742	4,103	3,714	3,366	540	486		
1987	Dry	599	1,865	2,517	3,809	3,939	3,270	2,202	1,408	1,152	960	474	628		
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	382	589		
1989	Dry	663	3,160	4,230	5,227	6,719	5,714	4,302	3,239	2,876	2,357	374	568		
1990	Critical	774	1,678	2,267	3,361	3,485	2,877	1,906	1,190	955	784	380	520		
1991	Critical	642	1,318	1,685	2,035	2,943	2,427	1,657	1,019	762	707	379	501		
1992	Critical	642	1,282	1,735	2,573	966	218	2,044	2,135	735	2,433	374	1,740		
1993	Above Normal	2,361	3,317	4,001	4,817	6,053	5,821	4,251	3,497	3,171	2,776	722	731		
1994	Critical	1,196	2,607	3,444	4,522	5,460	3,049	3,428	1,256	2,271	3,681	382	1,532		
1995	Wet	2,043	4,204	4,806	6,731	6,589	6,669	4,925	4,206	3,832	3,464	1,064	1,592		
1996	Wet	2,569	3,760	4,242	5,899	5,772	5,835	4,380	3,777	3,460	3,116	1,253	1,841		
1997	Wet	2,495	3,799	4,389	6,223	6,099	6,177	4,511	3,828	3,487	3,167	643	1,758		
1998	Wet	2,499	3,700	4,378	6,049	5,932	6,193	4,495	3,794	3,448	3,038	1,502	1,802		
1999	Wet	2,726	3,667	4,298	5,981	5,853	5,922	4,438	3,824	3,502	3,177	700	851		
2000	Above Normal	1,737	3,196	4,142	6,054	6,496	5,954	4,159	3,224	2,887	2,441	540	491		
2001	Dry	811	1,993	2,690	4,001	4,143	4,123	2,275	1,429	1,153	950	370	909		
2002	Dry	1,397	3,808	4,261	5,701	5,576	5,624	4,199	3,614	2,660	3,598	450	954		
2003	Above Normal	1,414	2,615	3,456	2,759	5,952	5,389	3,808	n/a	n/a	n/a	n/a	n/a		

Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	108	238	398	821	807	831	578	473	433	408	9	63
1923	Below Normal	204	156	-1,289	-2,563	720	852	891	865	842	771	295	130
1924	Critical	58	239	322	-156	-1,363	-2,320	-1,222	1,500	2,293	3,068	140	179
1925	Dry	-232	-469	-612	-808	-887	-804	-528	-391	-339	-271	195	70
1926	Dry	100	130	377	174	688	624	441	-632	893	685	72	-152
1927	Wet	-50	-95	-110	-478	129	128	170	177	187	181	220	0
1928	Above Normal	-49	-148	27	-1,760	797	596	437	274	252	147	179	109
1929	Critical	137	292	231	355	-1,913	-1,563	-794	425	403	2,881	79	-12
1930	Dry	-17	-29	-34	-1,347	250	209	206	116	94	71	79	28
1931	Critical	19	-4	-4	-2	-1	-1,803	-1,585	85	745	2,383	22	0
1932	Dry	15	19	20	209	221	238	232	238	246	228	237	8
1933	Critical	-53	-90	-92	-79	-121	-154	-107	-123	-96	-80	68	51
1934	Critical	57	110	149	224	232	-974	6	618	472	384	37	13
1935	Below Normal	16	81	111	-1,000	576	610	547	463	449	386	137	-46
1936	Below Normal	-88	31	-15	169	163	164	177	173	181	175	-5	-40
1937	Below Normal	-41	-34	-31	158	154	154	160	154	161	-28	-25	-7
1938	Wet	-33	-45	-47	-59	128	128	145	142	153	150	41	-129
1939	Dry	-122	55	51	420	186	170	206	203	-205	389	182	2
1940	Above Normal	-3	-1	-2	180	179	179	186	180	186	85	1	0
1941	Wet	-2	0	0	191	185	185	191	185	192	89	-1	-7
1942	Wet	-12	-23	-31	141	135	135	161	163	172	168	-66	-9
1943	Wet	-12	-19	-31	142	136	134	166	157	170	166	185	0
1944	Dry	14	-8	-9	115	106	102	110	104	107	107	119	1
1945	Below Normal	-41	5	5	196	190	190	196	189	195	188	185	0
1946	Below Normal	12	16	18	216	209	209	209	201	205	198	192	-8
1947	Dry	-9	-11	1	86	98	83	76	64	66	60	75	0
1948	Below Normal	0	2	56	0	12	10	5	4	2	2	-2	-1
1949	Dry	-3	-3	1	8	11	7	4	2	2	0	4	0
1950	Below Normal	2	-1	-1	79	79	80	82	82	82	0	0	0
1951	Above Normal	0	0	0	191	185	185	191	185	191	185	185	0
1952	Wet	-1	-1	-173	-159	25	7	27	-36	28	39	211	-2
1953	Wet	-26	-1	2	154	104	148	184	202	211	216	163	4
1954	Above Normal	66	23	32	183	63	83	71	64	64	60	53	-4
1955	Dry	-6	-21	-27	-18	-22	-18	-5	0	3	6	-7	1
1956	Wet	2	3	2	194	187	188	193	187	193	187	184	0
1957	Above Normal	-2	1	7	185	166	172	191	186	191	185	179	0
1958	Wet	0	0	0	191	185	185	191	185	191	185	207	-16
1959	Below Normal	-122	-76	-99	-456	13	22	66	70	78	73	84	0
1960	Dry	11	12	1	101	-43	83	-58	-30	-27	-14	0	0
1961	Dry	0	6	8	11	13	34	0	0	1	0	0	0
1962	Below Normal	0	0	0	185	179	179	185	179	185	179	179	0
1963	Wet	0	0	0	191	185	185	191	185	191	185	185	5
1964	Dry	2	-2	-2	1	1	1	1	1	2	2	7	-1
1965	Wet	-26	-2	3	152	206	200	201	191	196	187	185	-2
1966	Below Normal	-3	0	0	139	139	138	142	137	142	137	136	1
1967	Wet	1	2	-11	-17	168	167	180	177	42	179	153	-20
1968	Below Normal	-45	-59	4	229	306	222	169	115	115	91	18	-23
1969	Wet	-14	-18	-19	-24	162	162	173	177	172	167	1	0
1970	Wet	-16	2	17	213	206	207	208	200	205	197	183	-2
1971	Wet	-7	-5	-8	77	108	108	115	112	116	112	116	3
1972	Below Normal	1	0	-1	2	1	2	3	3	3	3	3	0
1973	Above Normal	0	0	0	192	185	185	191	185	191	185	184	-4
1974	Wet	-5	-59	-91	49	47	38	103	120	135	134	194	5
1975	Wet	21	42	47	254	246	247	237	225	227	218	189	-1
1976	Critical	-6	-16	-21	-17	-34	-3	-30	-24	-22	-18	0	0
1977	Critical	0	77	2	0	0	2	1	4	-6	-1	0	1
1978	Above Normal	-66	-73	9	279	419	264	174	83	81	35	162	-4
1979	Below Normal	23	33	-11	157	150	150	183	187	196	189	-16	3
1980	Above Normal	-33	-206	-164	28	23	9	44	-20	34	42	144	27
1981	Dry	196	69	97	730	254	138	246	226	226	216	182	-2
1982	Wet	-4	1	1	192	186	186	192	186	1	1	0	0
1983	Wet	0	0	0	0	0	185	191	0	0	0	0	0
1984	Wet	-1	0	0	191	185	185	191	185	191	185	185	0
1985	Dry	0	0	0	131	127	127	131	127	131	127	127	0
1986	Wet	-23	2	3	193	187	187	193	189	194	185	185	0
1987	Dry	1	-70	-94	-50	-57	-32	11	37	49	53	86	-1
1988	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1
1989	Dry	-1	-3	-4	-19	-4	-90	27	22	21	16	0	0
1990	Critical	0	0	1	1	1	1	0	0	0	0	0	0
1991	Critical	0	0	-29	0	7	6	6	3	-29	31	0	0
1992	Critical	0	0	0	0	-40	0	-1	-4	-5	48	0	-2
1993	Above Normal	-9	-3	1	159	201	195	199	192	191	183	185	1
1994	Critical	1	0	0	7	2	3	3	3	4	2	3	0
1995	Wet	0	0	0	191	185	185	191	185	191	163	186	169
1996	Wet	-51	-97	-114	30	27	27	82	95	110	86	5	8
1997	Wet	11	6	6	197	190	190	197	191	197	190	189	-4
1998	Wet	-5	-9	-331	-455	-452	-278	-95	-125	-50	-142	210	64
1999	Wet	40	-14	14	212	205	205	196	201	194	184	7	7
2000	Above Normal	-35	-22	0	202	225	195	181	157	162	150	181	0
2001	Dry	11	16	22	51	51	46	37	29	28	26	19	-2
2002	Dry	-2	-12	-13	-15	-15	-15	-10	-9	72	-84	4	2
2003	Above Normal	1	0	-1	93	89	89	93	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	4%	7%	10%	15%	15%	15%	14%	14%	14%	14%	1%	3%
1923	Below Normal	9%	5%	-33%	-47%	12%	16%	24%	30%	33%	36%	77%	-25%
1924	Critical	7%	16%	16%	-5%	-43%	-90%	-71%	140%	267%	436%	36%	33%
1925	Dry	-19%	-15%	-15%	-14%	-14%	-14%	-14%	-14%	-13%	-13%	51%	11%
1926	Dry	8%	7%	11%	4%	13%	13%	13%	-25%	40%	38%	17%	-13%
1927	Wet	-2%	-3%	-3%	-8%	2%	2%	4%	5%	6%	6%	53%	0%
1928	Above Normal	-5%	-4%	1%	-31%	14%	11%	11%	8%	8%	5%	48%	21%
1929	Critical	22%	23%	12%	13%	-67%	-67%	-52%	43%	51%	445%	21%	-2%
1930	Dry	-2%	-1%	-1%	-31%	5%	5%	8%	6%	6%	5%	21%	5%
1931	Critical	3%	0%	0%	0%	0%	-61%	-81%	7%	74%	287%	5%	0%
1932	Dry	1%	1%	1%	5%	5%	6%	8%	11%	13%	15%	63%	1%
1933	Critical	-6%	-5%	-3%	-2%	-3%	-4%	-4%	-8%	-7%	-7%	18%	10%
1934	Critical	7%	6%	6%	6%	6%	-62%	1%	35%	18%	19%	10%	2%
1935	Below Normal	2%	3%	3%	-22%	9%	10%	13%	15%	16%	17%	33%	-6%
1936	Below Normal	-3%	1%	0%	3%	3%	3%	4%	5%	5%	6%	-1%	-6%
1937	Below Normal	-3%	-1%	-1%	2%	2%	2%	4%	4%	5%	-1%	-2%	0%
1938	Wet	-1%	-1%	-1%	-1%	2%	2%	3%	4%	4%	5%	5%	-9%
1939	Dry	-6%	2%	1%	10%	3%	3%	5%	6%	-9%	12%	50%	0%
1940	Above Normal	0%	0%	0%	3%	3%	3%	5%	6%	7%	4%	0%	0%
1941	Wet	0%	0%	0%	3%	3%	3%	5%	5%	6%	3%	0%	0%
1942	Wet	0%	-1%	-1%	2%	2%	2%	4%	5%	5%	6%	-11%	0%
1943	Wet	0%	0%	-1%	2%	2%	2%	4%	4%	5%	5%	52%	0%
1944	Dry	2%	0%	0%	3%	2%	2%	4%	5%	6%	7%	22%	0%
1945	Below Normal	-2%	0%	0%	3%	3%	3%	5%	5%	6%	6%	13%	0%
1946	Below Normal	0%	0%	0%	4%	4%	4%	5%	6%	6%	7%	43%	-1%
1947	Dry	-1%	0%	0%	1%	2%	1%	2%	2%	2%	2%	20%	0%
1948	Below Normal	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1950	Below Normal	0%	0%	0%	3%	1%	1%	2%	3%	3%	0%	0%	0%
1951	Above Normal	0%	0%	0%	3%	3%	3%	5%	5%	6%	6%	17%	0%
1952	Wet	0%	0%	-4%	-3%	0%	0%	1%	-1%	1%	1%	15%	0%
1953	Wet	-1%	0%	0%	3%	2%	3%	5%	7%	8%	9%	30%	0%
1954	Above Normal	3%	1%	1%	3%	1%	1%	2%	2%	2%	3%	11%	0%
1955	Dry	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	3%	3%	3%	4%	5%	5%	6%	35%	0%
1957	Above Normal	0%	0%	0%	11%	3%	3%	5%	7%	8%	9%	41%	0%
1958	Wet	0%	0%	0%	3%	3%	3%	4%	4%	5%	5%	47%	-2%
1959	Below Normal	-6%	-3%	-3%	-11%	0%	0%	2%	2%	3%	3%	23%	0%
1960	Dry	1%	0%	0%	2%	-1%	2%	-1%	-1%	-1%	-1%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	7%	3%	3%	5%	6%	7%	8%	13%	0%
1963	Wet	0%	0%	0%	3%	3%	3%	5%	5%	6%	6%	49%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1965	Wet	-1%	0%	0%	3%	4%	4%	5%	6%	7%	7%	16%	0%
1966	Below Normal	0%	0%	0%	3%	2%	2%	4%	5%	6%	6%	36%	0%
1967	Wet	0%	0%	0%	0%	3%	3%	4%	5%	1%	6%	12%	-1%
1968	Below Normal	-2%	-2%	0%	4%	5%	4%	5%	4%	4%	4%	2%	-1%
1969	Wet	-1%	0%	0%	0%	3%	3%	4%	5%	5%	6%	0%	0%
1970	Wet	-1%	0%	0%	4%	4%	4%	5%	6%	6%	7%	14%	0%
1971	Wet	0%	0%	0%	1%	2%	2%	3%	4%	5%	6%	25%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1973	Above Normal	0%	0%	0%	3%	3%	3%	4%	5%	6%	6%	14%	0%
1974	Wet	0%	-1%	-2%	1%	1%	1%	2%	3%	4%	4%	32%	1%
1975	Wet	1%	1%	1%	4%	4%	4%	6%	6%	7%	7%	43%	0%
1976	Critical	-1%	-1%	-1%	0%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1977	Critical	0%	10%	0%	0%	0%	1%	0%	1%	0%	0%	0%	0%
1978	Above Normal	-3%	-2%	0%	5%	8%	5%	4%	2%	3%	1%	32%	0%
1979	Below Normal	1%	1%	0%	3%	3%	3%	4%	5%	6%	6%	-4%	0%
1980	Above Normal	-1%	-5%	-4%	0%	0%	0%	1%	-1%	1%	1%	36%	3%
1981	Dry	13%	2%	3%	23%	4%	3%	6%	7%	8%	10%	15%	0%
1982	Wet	0%	0%	0%	3%	3%	3%	4%	4%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	3%	5%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	3%	3%	3%	4%	5%	6%	6%	16%	0%
1985	Dry	0%	0%	0%	2%	2%	2%	3%	4%	4%	4%	35%	0%
1986	Wet	-1%	0%	0%	3%	3%	3%	4%	5%	6%	6%	52%	0%
1987	Dry	0%	-4%	-4%	-1%	-1%	-1%	0%	3%	4%	6%	22%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	-4%	5%	0%	0%
1992	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	-1%	2%	0%	0%
1993	Above Normal	0%	0%	0%	3%	3%	3%	5%	6%	6%	7%	34%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1995	Wet	0%	0%	0%	3%	3%	3%	4%	5%	5%	5%	21%	12%
1996	Wet	-2%	-3%	-3%	1%	0%	0%	2%	3%	3%	3%	0%	0%
1997	Wet	0%	0%	0%	3%	3%	3%	5%	5%	6%	6%	42%	0%
1998	Wet	0%	0%	-7%	-7%	-7%	-4%	-2%	-3%	-1%	-4%	16%	4%
1999	Wet	2%	0%	0%	4%	4%	4%	5%	5%	6%	6%	36%	1%
2000	Above Normal	-2%	-1%	0%	3%	4%	3%	5%	5%	6%	7%	50%	0%
2001	Dry	1%	1%	1%	1%	1%	1%	2%	2%	2%	3%	5%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-2%	1%	0%
2003	Above Normal	0%	0%	0%	3%	2%	2%	2%	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	756	4,709	6,178	7,947	7,996	6,058	1,386	1,534	790	388	112	110
1924	Critical	452	5,425	4,848	6,248	5,968	4,500	1,404	743	540	133	144	92
1925	Dry	66	4,162	4,471	7,683	7,900	5,943	1,788	1,721	678	330	107	108
1926	Dry	345	3,086	5,265	7,876	7,364	5,440	1,831	1,165	325	345	105	106
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,708	5,916	8,011	7,762	5,874	1,988	1,615	467	245	212	112
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92
1933	Critical	346	5,520	4,400	6,176	5,903	4,444	1,362	945	685	131	159	90
1934	Critical	149	5,043	4,621	6,198	6,159	4,664	1,482	983	361	261	91	93
1935	Below Normal	60	2,732	5,467	8,037	7,528	5,689	1,862	1,253	681	300	106	104
1936	Below Normal	110	4,799	5,363	7,044	7,605	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,812	7,305	7,495	5,670	1,913	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	910	7,190	5,206	7,681	7,284	5,539	1,551	1,381	855	352	106	104
1940	Above Normal	78	4,858	5,276	8,653	8,406	6,402	2,220	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,495	6,142	8,380	8,196	6,255	2,209	1,653	739	316	116	114
1944	Dry	190	5,302	4,961	7,415	7,344	5,542	1,839	1,329	444	274	127	108
1945	Below Normal	69	5,511	5,122	7,720	8,039	6,099	2,130	997	548	169	203	112
1946	Below Normal	174	6,934	6,123	8,356	7,939	6,126	2,083	1,623	605	197	235	118
1947	Dry	96	5,561	5,688	7,129	7,708	5,807	2,005	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,686	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,316	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,823	7,748	7,436	5,613	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	325	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,348	5,790	7,808	7,461	5,637	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,981	6,353	8,147	7,891	5,871	1,024	1,744	879	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,339	5,681	7,757	7,796	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,194	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,052	5,894	7,305	7,409	5,544	1,722	1,174	406	209	106	108
1965	Wet	388	4,376	6,252	8,459	8,181	5,326	2,191	1,821	392	301	120	118
1966	Below Normal	243	6,871	6,364	8,234	7,950	6,037	2,085	1,736	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,087	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,090	5,962	5,804	7,352	7,072	4,731	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	5,001	5,962	8,252	7,868	5,888	1,953	1,073	507	167	110	108
1980	Above Normal	78	5,153	5,829	8,152	8,201	6,329	2,192	1,631	823	233	116	118
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	73	5,581	5,773	7,577	7,194	5,424	1,767	1,415	528	163	106	101
1988	Critical	560	5,188	4,652	6,846	6,909	5,184	1,645	1,528	514	248	205	174
1989	Dry	76	5,217	6,039	7,568	7,621	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,587	6,494	6,450	4,868	1,521	1,093	539	219	89	91
1992	Critical	65	4,040	5,026	6,253	6,597	5,013	1,533	791	499	136	93	96
1993	Above Normal	69	5,237	4,548	7,578	8,396	6,310	2,278	1,408	557	341	116	118
1994	Critical	280	5,617	4,280	7,201	6,968	5,312	1,766	1,219	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,723	1,962	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,859	7,562	7,513	5,677	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 1 (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	748	4,692	6,147	7,913	7,954	6,024	1,376	1,528	789	387	111	109
1924	Critical	455	5,441	4,864	6,267	5,988	4,517	1,413	744	541	133	144	93
1925	Dry	66	4,165	4,480	7,699	7,919	5,958	1,794	1,725	678	330	107	108
1926	Dry	350	3,095	5,304	7,934	7,426	5,489	1,857	1,170	327	346	106	108
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,718	5,939	8,041	7,795	5,901	2,002	1,621	468	246	213	113
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,105	4,266	6,323	6,252	4,713	1,486	1,235	566	243	93	92
1933	Critical	346	5,511	4,392	6,165	5,891	4,435	1,357	943	684	130	159	89
1934	Critical	148	5,038	4,615	6,190	6,149	4,657	1,478	209	361	261	91	93
1935	Below Normal	60	2,732	5,462	8,029	7,519	5,682	1,859	1,253	681	300	106	104
1936	Below Normal	110	4,800	5,363	7,045	7,606	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,704	5,812	7,306	7,495	5,671	1,914	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	898	7,143	5,170	7,631	7,230	5,495	1,533	1,376	854	352	106	104
1940	Above Normal	78	4,861	5,279	8,659	8,413	6,407	2,222	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,493	6,137	8,373	8,188	6,249	2,206	1,652	739	316	116	114
1944	Dry	190	5,297	4,954	7,406	7,333	5,534	1,834	1,328	444	274	127	108
1945	Below Normal	69	5,497	5,103	7,688	8,004	6,070	2,115	996	548	168	202	111
1946	Below Normal	174	6,925	6,114	8,344	7,927	6,115	2,078	1,621	605	197	235	118
1947	Dry	96	5,563	5,691	7,133	7,713	5,811	2,007	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,685	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,317	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,822	7,747	7,435	5,612	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	323	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,347	5,789	7,806	7,460	5,636	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,984	6,356	8,151	7,896	5,874	1,024	1,745	880	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,338	5,681	7,757	7,795	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,193	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,053	5,896	7,307	7,411	5,545	1,723	1,174	406	209	106	108
1965	Wet	387	4,371	6,237	8,439	8,160	5,311	2,182	1,817	392	301	120	118
1966	Below Normal	244	6,880	6,375	8,247	7,964	6,048	2,091	1,738	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,086	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,002	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,089	5,962	5,803	7,351	7,071	4,730	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	4,981	5,923	8,200	7,812	5,843	1,930	1,071	506	166	109	107
1980	Above Normal	78	5,148	5,818	8,138	8,185	6,316	2,186	1,628	823	233	116	118
1981	Dry	69	4,759	5,669	8,612	8,265	6,304	1,948	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	72	5,579	5,770	7,573	7,190	5,421	1,765	1,414	528	163	106	101
1988	Critical	559	5,185	4,649	6,842	6,904	5,181	1,643	1,527	514	248	205	174
1989	Dry	76	5,217	6,038	7,567	7,620	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,586	6,493	6,449	4,867	1,521	1,093	539	219	89	91
1992	Critical	65	4,039	5,025	6,251	6,595	4,998	1,532	791	499	136	93	96
1993	Above Normal	69	5,235	4,545	7,575	8,391	6,306	2,276	1,408	557	341	116	118
1994	Critical	280	5,616	4,280	7,200	6,968	5,311	1,766	1,218	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,722	1,961	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,860	7,563	7,514	5,678	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	-8	-18	-30	-35	-42	-34	-10	-6	-2	-1	-1	-1
1924	Critical	4	16	16	19	20	16	9	1	1	1	1	1
1925	Dry	0	3	9	15	18	15	6	3	1	1	0	0
1926	Dry	6	9	38	58	62	49	27	5	1	1	1	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	11	23	30	33	27	14	6	1	1	1	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	-1	-1	-1	-1	-1	-1	0	0	0	0	0
1933	Critical	0	-9	-8	-11	-11	-9	-5	-1	-1	0	0	0
1934	Critical	-1	-5	-7	-8	-9	-7	-4	-774	0	0	0	0
1935	Below Normal	0	0	-5	-8	-9	-7	-3	-1	0	0	0	0
1936	Below Normal	0	0	0	0	1	1	0	0	0	0	0	0
1937	Below Normal	0	1	1	1	1	1	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-13	-46	-36	-50	-54	-44	-17	-6	-1	0	0	0
1940	Above Normal	0	3	4	6	6	5	2	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	-2	-5	-7	-8	-6	-3	-1	0	0	0	0
1944	Dry	0	-5	-7	-9	-11	-9	-4	-1	0	0	0	0
1945	Below Normal	0	-14	-20	-33	-35	-29	-15	-1	0	-1	-1	-1
1946	Below Normal	0	-8	-10	-12	-13	-10	-5	-2	0	0	0	0
1947	Dry	0	3	4	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	1	0	0	0	0	0	0	0
1950	Below Normal	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1954	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	3	3	4	4	3	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	2	2	2	2	2	1	0	0	0	0	0
1965	Wet	-1	-5	-16	-20	-22	-14	-9	-4	0	0	0	0
1966	Below Normal	0	9	11	13	14	11	6	2	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	0	0	0	-1	-1	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-1	0	0	0	0	0	0	0	0	0	0	0
1979	Below Normal	0	-20	-39	-52	-56	-45	-23	-3	-1	-1	-1	-1
1980	Above Normal	0	-6	-10	-13	-16	-13	-6	-2	0	0	0	0
1981	Dry	0	2	6	9	9	8	3	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	-2	-3	-4	-4	-3	-2	0	0	0	0	0
1988	Critical	-1	-2	-3	-4	-4	-4	-2	-1	0	0	0	0
1989	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1992	Critical	0	-1	-1	-2	-2	-15	-1	0	0	0	0	0
1993	Above Normal	0	-2	-3	-4	-5	-4	-2	0	0	0	0	0
1994	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%
1924	Critical	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	2%	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	-79%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1940	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	5
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,450	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,656	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,406	3,336	2,532	968	267	74	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	116	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	6
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	12	74
1939	Dry	629	3,398	2,274	3,179	3,001	2,410	1,653	444	83	14	4	5
1940	Above Normal	24	2,165	2,597	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	39	974	2,483	3,743	3,538	2,844	2,317	697	19	18	11	16
1943	Wet	35	1,419	2,967	3,444	3,295	2,664	2,200	657	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	19	2,280	2,965	3,206	3,348	2,487	2,223	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,022	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,014	3,146	3,211	2,600	2,138	733	23	22	16	16
1953	Wet	104	1,995	2,723	3,311	3,343	2,507	2,219	416	15	15	6	10
1954	Above Normal	28	1,323	2,982	3,460	3,322	2,523	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,313	3,091	2,475	1,000	726	90	13	4	4
1960	Dry	14	1,813	2,677	3,447	3,208	2,589	2,133	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,779	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,366	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,552	2,837	2,302	707	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,178	3,232	2,404	2,131	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,935	3,252	3,485	2,830	2,725	2,260	147	20	20	11	11
1975	Wet	34	2,086	3,152	3,436	3,189	2,517	2,126	62	23	17	7	35
1976	Critical	876	3,048	2,952	3,363	3,332	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,144	3,648	3,428	2,757	1,473	809	16	16	6	7
1979	Below Normal	33	1,845	3,131	3,564	3,319	2,546	2,090	86	18	17	10	15
1980	Above Normal	41	2,418	2,870	3,181	3,108	2,509	2,022	596	74	22	8	12
1981	Dry	25	1,937	3,030	3,584	3,340	2,678	1,883	28	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	39	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,993	3,225	2,995	2,396	1,984	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,672	1,928	3,751	3,540	2,826	2,307	103	18	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,175	3,515	3,492	2,790	2,046	290	23	22	15	14
1999	Wet	39	2,465	2,972	3,068	3,055	2,431	2,023	570	18	17	6	10
2000	Above Normal	28	1,835	2,727	3,529	3,473	2,786	2,139	32	14	14	4	4
2001	Dry	39	2,223	3,136	3,305	3,144	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,999	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 1 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	40	2,753	2,709	3,332	3,136	2,527	2,087	128	21	20	15	16
1923	Below Normal	281	2,035	3,039	3,321	3,311	2,657	1,508	553	38	14	5	6
1924	Critical	25	2,028	1,721	1,998	1,965	1,487	586	10	6	5	6	6
1925	Dry	16	1,697	2,619	3,329	3,436	2,710	1,959	689	11	11	6	6
1926	Dry	183	1,125	2,919	3,700	3,456	2,743	2,283	171	12	12	7	11
1927	Wet	34	2,252	2,821	3,253	3,303	2,654	2,180	109	17	16	7	8
1928	Above Normal	16	2,048	3,033	3,248	3,080	2,475	2,046	609	12	12	5	5
1929	Critical	25	2,975	3,054	2,787	3,439	2,602	1,011	450	83	6	5	6
1930	Dry	14	1,896	2,814	3,423	3,183	2,547	1,894	648	9	9	5	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	6	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,054	2,446	2,024	696	38	8	5	5
1933	Critical	46	3,389	2,491	3,405	3,334	2,530	966	266	73	6	5	5
1934	Critical	54	1,767	1,583	2,039	2,104	1,598	594	117	6	6	5	7
1935	Below Normal	17	1,137	2,987	3,641	3,398	2,725	2,163	435	14	13	4	8
1936	Below Normal	32	2,063	2,715	3,028	3,284	2,640	2,168	683	93	17	4	5
1937	Below Normal	26	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	14	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	11	74
1939	Dry	628	3,398	2,274	3,179	3,001	2,410	1,653	444	83	11	4	5
1940	Above Normal	24	2,165	2,596	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	38	974	2,483	3,743	3,536	2,842	2,316	696	19	18	11	16
1943	Wet	34	1,419	2,967	3,443	3,293	2,662	2,199	656	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	18	2,280	2,965	3,206	3,348	2,487	2,222	33	15	14	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,021	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,011	3,140	3,199	2,586	2,129	727	20	20	17	16
1953	Wet	104	1,995	2,723	3,312	3,344	2,508	2,219	417	16	15	6	10
1954	Above Normal	29	1,323	2,982	3,460	3,323	2,524	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,312	3,089	2,473	999	726	90	12	4	4
1960	Dry	15	1,813	2,677	3,447	3,208	2,589	2,134	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,778	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,365	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,551	2,837	2,302	706	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,177	3,230	2,403	2,130	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,997	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,934	3,251	3,483	2,827	2,722	2,258	146	20	19	11	11
1975	Wet	34	2,087	3,153	3,436	3,190	2,518	2,126	62	23	17	7	34
1976	Critical	876	3,048	2,952	3,363	3,331	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,143	3,647	3,425	2,753	1,471	807	16	15	5	7
1979	Below Normal	32	1,845	3,131	3,564	3,317	2,544	2,089	85	18	17	9	15
1980	Above Normal	41	2,414	2,867	3,176	3,098	2,498	2,014	591	73	20	8	12
1981	Dry	27	1,938	3,031	3,585	3,342	2,680	1,885	29	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	37	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,992	3,224	2,993	2,395	1,983	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,671	1,927	3,751	3,539	2,825	2,306	102	17	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,173	3,512	3,487	2,785	2,042	285	20	20	15	15
1999	Wet	39	2,465	2,972	3,068	3,056	2,431	2,024	570	18	17	6	10
2000	Above Normal	27	1,834	2,726	3,529	3,473	2,785	2,138	31	14	14	4	4
2001	Dry	39	2,223	3,137	3,305	3,145	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,998	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	6	4	4	8	17	18	13	4	3	3	0	1
1923	Below Normal	1	1	1	1	3	3	2	1	0	1	1	1
1924	Critical	0	1	1	2	5	5	4	1	1	1	2	2
1925	Dry	-4	-2	-2	-4	-9	-10	-7	-4	-2	-2	2	1
1926	Dry	1	1	1	3	6	7	5	1	1	1	0	-1
1927	Wet	-1	-1	-1	-1	-2	-2	-2	-1	0	0	0	0
1928	Above Normal	-1	-1	-1	-1	-3	-3	-2	-1	0	0	1	1
1929	Critical	1	1	1	2	4	4	3	2	1	1	1	0
1930	Dry	0	0	0	0	-1	-1	-1	0	0	0	1	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	1	1	1	0	0	-2	1	0
1933	Critical	0	0	0	-1	-2	-2	-2	-1	0	0	0	0
1934	Critical	0	1	1	1	2	2	2	1	0	0	0	0
1935	Below Normal	0	0	0	1	2	2	1	1	0	0	0	-1
1936	Below Normal	-1	0	0	0	-1	-1	0	0	0	0	0	0
1937	Below Normal	-1	0	0	0	0	0	0	0	0	0	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	-3	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	-1	-1	-1	-1	0	0	0	0	0
1943	Wet	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-3	-6	-12	-13	-10	-6	-3	-2	0	0
1953	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1954	Above Normal	0	0	0	0	1	1	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	-1	-2	-3	-4	-3	-1	-1	-1	0	0
1975	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	0	0	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1979	Below Normal	0	0	0	-1	-1	-2	-1	0	0	0	0	0
1980	Above Normal	0	-4	-2	-5	-10	-11	-8	-5	-2	-2	0	0
1981	Dry	2	0	0	1	2	2	1	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-2	-3	-5	-5	-4	-6	-3	-3	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	-1	-1	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	16%	0%	0%	0%	1%	1%	1%	3%	19%	19%	2%	6%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	4%	32%	28%
1924	Critical	2%	0%	0%	0%	0%	0%	1%	17%	17%	17%	41%	37%
1925	Dry	-19%	0%	0%	0%	0%	0%	0%	-1%	-15%	-15%	41%	12%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	1%	11%	11%	-6%	-8%
1927	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	-4%	-4%
1928	Above Normal	-5%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	25%	24%
1929	Critical	4%	0%	0%	0%	0%	0%	0%	0%	1%	15%	24%	-1%
1930	Dry	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	24%	6%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	6%	2%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-19%	16%	2%
1933	Critical	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	11%	11%
1934	Critical	1%	0%	0%	0%	0%	0%	0%	1%	6%	6%	11%	2%
1935	Below Normal	2%	0%	0%	0%	0%	0%	0%	0%	3%	3%	-11%	-8%
1936	Below Normal	-3%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-7%
1937	Below Normal	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	-1%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-1%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%
1943	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	-1%	-11%	-11%	2%	-1%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	0%
1954	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1968	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	2%	-1%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	0%	1%
1975	Wet	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-5%	-3%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-4%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-9%	5%	1%
1981	Dry	8%	0%	0%	0%	0%	0%	0%	3%	3%	3%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
1996	Wet	-1%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	0%	1%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	-11%	-11%	2%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	1%
2000	Above Normal	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,066	2,971	3,107	3,306	3,437	3,563	4,010	3,739	3,363	2,917	2,586	2,547
1924	Critical	2,464	2,357	2,307	2,509	2,719	2,704	2,466	2,155	1,733	1,294	987	834
1925	Dry	813	975	1,089	1,422	2,605	2,984	3,692	3,832	3,592	3,130	2,768	2,690
1926	Dry	2,582	2,561	2,593	2,632	3,380	3,581	3,907	3,780	3,297	2,684	2,304	2,199
1927	Wet	2,127	2,583	3,023	3,473	3,462	4,090	4,552	4,552	4,233	3,759	3,378	2,861
1928	Above Normal	2,778	2,869	2,979	3,204	3,707	3,965	4,552	4,505	4,003	3,311	2,939	2,591
1929	Critical	2,471	2,372	2,434	2,698	2,886	3,060	3,096	3,001	2,712	2,278	1,819	1,733
1930	Dry	1,616	1,545	2,088	2,285	2,686	3,181	3,284	3,230	2,862	2,417	2,147	2,091
1931	Critical	2,001	1,966	1,951	2,033	2,121	2,294	1,981	1,701	1,347	877	638	602
1932	Dry	581	584	762	902	1,038	1,518	1,628	1,812	1,608	1,370	1,127	1,027
1933	Critical	936	907	896	905	942	1,540	1,683	1,760	1,593	1,327	860	658
1934	Critical	632	616	735	1,025	1,345	1,604	1,576	1,443	1,122	650	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,971	1,795
1936	Below Normal	1,706	1,646	1,640	2,297	3,188	3,490	3,702	3,631	3,381	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,656	3,461	3,060	2,718	2,635
1938	Wet	2,588	3,118	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,222
1939	Dry	3,203	3,111	3,225	3,347	3,409	3,826	3,653	3,470	3,128	2,576	2,176	2,137
1940	Above Normal	2,093	2,004	2,143	3,038	3,252	3,435	4,162	4,165	3,773	3,173	2,792	2,702
1941	Wet	2,614	2,589	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,129	2,881	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,108	3,541	3,848	4,118	4,552	4,552	4,273	3,729	3,379	2,870
1944	Dry	2,801	2,537	2,542	2,581	2,895	3,277	3,272	3,260	3,085	2,683	2,422	2,412
1945	Below Normal	2,344	2,483	2,779	2,980	3,680	3,922	4,053	4,161	3,915	3,430	3,074	2,934
1946	Below Normal	2,876	3,138	3,265	3,622	3,805	4,124	4,282	4,251	3,880	3,396	3,063	2,992
1947	Dry	2,879	2,926	3,006	3,005	3,271	3,796	3,880	3,578	3,380	2,813	2,465	2,354
1948	Below Normal	2,400	2,406	2,399	2,965	3,054	3,390	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,390	3,093	3,073
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,222	2,967	3,345	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,058	3,215	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,978	3,249	3,435	3,586	3,754	3,964	4,103	3,817	3,240	2,908	2,878
1956	Wet	2,821	2,911	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,908	2,956	3,648	3,777	4,221	4,229	4,081	3,615	3,073	2,711	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,254	4,333	4,470	4,038	3,427	3,143	3,040
1961	Dry	2,956	3,065	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,814	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,095
1964	Dry	3,089	3,252	3,289	3,669	3,898	4,048	3,841	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,546	4,208	3,722	3,453	2,985
1966	Below Normal	2,903	2,972	3,093	3,577	3,989	4,229	4,552	4,436	3,897	3,268	2,984	2,884
1967	Wet	2,749	3,075	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,343
1968	Below Normal	3,250	3,098	3,189	3,366	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,949	3,603	3,200
1970	Wet	3,240	3,185	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,183
1974	Wet	3,212	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,902	3,021	3,122	3,771	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,022	3,101	3,362	3,417	3,649	3,701	3,581	3,200	2,713	2,419	2,819
1977	Critical	2,670	2,597	2,548	2,524	2,389	2,355	1,955	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,043	3,014	3,093	3,445	3,951	4,214	4,377	3,949	3,505	3,299	3,245
1980	Above Normal	3,250	3,252	3,354	3,528	3,292	3,940	4,229	4,219	3,871	3,434	3,094	3,102
1981	Dry	3,026	2,767	2,890	3,162	3,569	4,172	4,385	4,178	3,523	2,914	2,653	2,584
1982	Wet	2,623	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,816
1987	Dry	2,814	2,687	2,674	2,796	3,137	3,872	3,800	3,529	2,981	2,456	2,189	2,143
1988	Critical	1,980	1,952	2,451	2,857	2,915	3,058	3,052	3,035	2,619	2,068	1,647	1,605
1989	Dry	1,468	1,673	1,759	1,938	2,044	3,425	3,878	3,650	3,309	2,724	2,446	2,488
1990	Critical	2,592	2,599	2,566	2,811	2,908	3,173	2,989	3,161	2,991	2,430	2,054	2,062
1991	Critical	1,978	1,937	1,921	1,820	1,850	2,270	2,432	2,388	2,103	1,755	1,568	1,516
1992	Critical	1,399	1,256	1,253	1,287	1,935	2,379	2,626	2,284	1,684	1,068	581	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,028	3,100	3,235	3,460	3,637	3,420	2,270	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,604	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	3,011	3,368	3,723	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,114	3,005	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,897	2,712	2,293
1998	Wet	2,176	2,100	2,283	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,950	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,194	2,860	2,944	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,948	3,072	3,501	3,995	4,097	3,886	3,323	2,831	2,666	2,647
2002	Dry	2,492	2,667	3,314	3,678	4,022	4,411	4,468	4,296	3,823	3,357	3,101	3,022
2003	Above Normal	2,880	2,826	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,637	3,355	3,200

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Alternative 1 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,110
1923	Below Normal	3,056	2,919	3,054	3,254	3,396	3,522	3,969	3,731	3,388	2,945	2,640	2,631
1924	Critical	2,579	2,503	2,484	2,614	2,824	2,809	2,542	2,230	1,797	1,343	1,020	900
1925	Dry	879	1,041	1,155	1,488	2,671	3,050	3,757	3,897	3,656	3,196	2,834	2,742
1926	Dry	2,633	2,612	2,645	2,683	3,432	3,632	3,958	3,798	3,330	2,716	2,383	2,305
1927	Wet	2,234	2,689	3,129	3,569	3,462	4,090	4,552	4,552	4,233	3,759	3,376	2,860
1928	Above Normal	2,778	2,868	2,978	3,203	3,706	3,965	4,552	4,504	4,001	3,322	2,947	2,596
1929	Critical	2,507	2,406	2,469	2,733	2,921	3,094	3,130	3,035	2,745	2,312	1,827	1,739
1930	Dry	1,623	1,553	2,096	2,293	2,694	3,189	3,292	3,238	2,870	2,423	2,150	2,094
1931	Critical	2,005	1,970	1,954	2,037	2,125	2,298	1,984	1,705	1,351	885	641	605
1932	Dry	584	587	765	905	1,041	1,521	1,632	1,816	1,612	1,373	1,130	1,026
1933	Critical	937	908	897	906	943	1,540	1,681	1,774	1,624	1,373	853	663
1934	Critical	600	584	713	1,003	1,323	1,582	1,554	1,399	1,079	717	551	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,711	2,290	1,903	1,797
1936	Below Normal	1,709	1,649	1,643	2,300	3,190	3,492	3,704	3,633	3,383	2,837	2,463	2,343
1937	Below Normal	2,177	2,050	2,009	1,985	2,064	2,712	3,412	3,664	3,468	3,072	2,730	2,647
1938	Wet	2,600	3,130	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,230
1939	Dry	3,214	3,071	3,196	3,318	3,381	3,797	3,627	3,447	3,115	2,563	2,177	2,137
1940	Above Normal	2,077	1,986	2,125	3,020	3,252	3,435	4,162	4,165	3,773	3,172	2,791	2,674
1941	Wet	2,585	2,559	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,130	2,882	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,109	3,541	3,848	4,118	4,552	4,552	4,274	3,732	3,382	2,866
1944	Dry	2,797	2,509	2,515	2,553	2,867	3,257	3,252	3,241	3,067	2,669	2,411	2,402
1945	Below Normal	2,335	2,474	2,770	2,970	3,670	3,912	4,073	4,215	4,001	3,517	3,192	3,080
1946	Below Normal	3,049	3,252	3,265	3,622	3,805	4,124	4,283	4,253	3,882	3,399	3,067	2,996
1947	Dry	2,883	2,930	3,010	3,009	3,275	3,800	3,883	3,582	3,383	2,815	2,467	2,354
1948	Below Normal	2,400	2,405	2,399	2,965	3,053	3,389	4,357	4,552	4,500	3,994	3,626	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,135	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,762	4,104	4,098	3,795	3,387	3,091	3,071
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,221	2,894	3,338	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,064	3,222	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,977	3,248	3,434	3,585	3,753	3,963	4,102	3,816	3,240	2,909	2,858
1956	Wet	2,802	2,892	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,903	2,952	3,648	3,777	4,221	4,229	4,081	3,615	3,072	2,710	2,844
1960	Dry	2,726	2,683	2,666	2,882	3,588	4,253	4,333	4,470	4,037	3,426	3,143	3,039
1961	Dry	2,956	3,064	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,815	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,097
1964	Dry	3,090	3,252	3,290	3,670	3,899	4,049	3,842	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,547	4,210	3,725	3,456	2,989
1966	Below Normal	2,906	2,984	3,104	3,588	4,000	4,229	4,552	4,436	3,896	3,267	2,966	2,886
1967	Wet	2,752	3,079	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,336
1968	Below Normal	3,250	2,989	3,081	3,258	3,654	4,242	4,268	4,169	3,755	3,161	2,968	2,957
1969	Wet	2,948	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,948	3,602	3,200
1970	Wet	3,243	3,188	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,279	2,652	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,132
1974	Wet	3,200	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,908	3,028	3,129	3,778	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,021	3,100	3,360	3,415	3,648	3,699	3,580	3,200	2,709	2,717	2,817
1977	Critical	2,670	2,596	2,548	2,523	2,388	2,354	1,955	1,819	1,232	670	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	2,976	2,953	3,042	3,387	3,894	4,157	4,332	3,907	3,476	3,273	3,204
1980	Above Normal	3,227	3,252	3,354	3,528	3,292	3,940	4,223	4,213	3,866	3,430	3,140	3,063
1981	Dry	2,981	2,824	2,946	3,218	3,626	4,228	4,441	4,233	3,579	2,959	2,686	2,621
1982	Wet	2,660	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,033	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,461	2,406	2,541	3,072	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,820
1987	Dry	2,818	2,667	2,654	2,776	3,117	3,852	3,780	3,510	2,982	2,457	2,187	2,138
1988	Critical	1,971	1,943	2,443	2,848	2,910	3,053	3,045	3,028	2,612	2,064	1,644	1,602
1989	Dry	1,465	1,670	1,756	1,933	2,040	3,420	3,874	3,645	3,305	2,721	2,442	2,485
1990	Critical	2,588	2,596	2,562	2,808	2,905	3,170	2,986	3,157	2,987	2,426	2,051	2,058
1991	Critical	1,974	1,933	1,917	1,816	1,846	2,266	2,427	2,384	2,099	1,754	1,568	1,516
1992	Critical	1,399	1,255	1,252	1,286	1,935	2,378	2,625	2,283	1,682	1,066	580	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,029	3,101	3,236	3,461	3,638	3,421	3,271	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,603	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	2,942	3,308	3,673	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,121	3,013	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,900	2,716	2,293
1998	Wet	2,176	2,099	2,282	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,950	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,189	2,858	2,941	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,946	3,070	3,498	3,993	4,095	3,884	3,321	2,828	2,667	2,648
2002	Dry	2,493	2,668	3,315	3,678	4,022	4,411	4,467	4,296	3,823	3,357	3,100	3,022
2003	Above Normal	2,874	2,821	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,638	3,356	3,200

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219
1923	Below Normal	4,756	6,356	3,282	3,048	3,175	3,427	2,992	10,586	10,637	10,737	8,530	3,960
1924	Critical	4,977	5,343	4,683	689	2,922	4,076	7,613	8,005	9,846	9,844	7,730	5,402
1925	Dry	3,875	2,869	2,826	0	1,633	2,821	2,539	5,327	8,881	10,566	8,966	4,781
1926	Dry	5,257	4,148	3,485	3,184	1,710	3,073	2,965	6,172	10,988	12,491	8,638	4,329
1927	Wet	4,215	2,802	3,514	3,721	24,504	3,396	9,170	8,633	10,800	11,234	9,214	11,809
1928	Above Normal	4,571	5,897	3,647	3,772	2,128	11,349	3,051	6,809	12,239	14,437	8,915	8,804
1929	Critical	5,067	5,597	3,134	0	3,115	3,212	6,087	6,541	8,466	9,797	10,080	4,127
1930	Dry	4,734	4,110	2,457	3,067	2,581	2,869	5,170	5,860	9,519	10,015	7,003	3,762
1931	Critical	4,346	3,690	3,334	3,023	3,069	3,017	9,117	7,536	8,659	10,060	6,288	3,107
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	5,272	4,366	7,218	6,602	6,439	4,139
1933	Critical	4,020	3,466	3,238	3,373	3,251	3,253	5,624	5,513	7,263	7,114	10,081	5,936
1934	Critical	3,122	3,103	3,287	2,964	2,958	3,095	5,797	6,097	8,366	10,175	3,584	2,828
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,024	9,504	9,886	8,940	4,423
1936	Below Normal	4,284	3,942	3,481	2,091	2,661	4,046	4,637	6,433	8,815	11,758	8,535	4,701
1937	Below Normal	5,177	4,812	3,484	3,251	3,252	3,252	2,779	4,602	8,389	9,519	8,054	3,842
1938	Wet	3,627	2,922	14,555	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	11,002
1939	Dry	4,542	6,108	3,933	3,434	4,345	3,137	8,541	6,990	8,903	11,789	9,197	3,530
1940	Above Normal	3,757	4,667	3,321	2,176	25,264	19,297	3,432	6,580	10,854	13,086	9,241	4,637
1941	Wet	4,926	4,489	6,405	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145
1942	Wet	5,354	8,604	10,067	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,148
1943	Wet	5,240	9,514	2,984	7,665	7,464	11,264	5,051	7,691	10,330	12,727	9,152	12,023
1944	Dry	4,739	8,615	3,899	3,964	2,773	2,093	6,764	5,775	7,591	10,025	7,336	3,116
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	6,104	9,545	11,213	8,827	5,409	5,008
1946	Below Normal	5,283	3,574	19,377	6,831	4,260	4,420	7,129	7,820	10,740	11,539	8,799	4,369
1947	Dry	5,181	4,100	3,632	3,770	3,029	2,971	5,885	9,045	9,334	12,517	8,632	4,788
1948	Below Normal	3,864	3,854	3,924	2,798	3,148	3,066	2,602	9,646	9,094	11,893	8,970	7,014
1949	Dry	6,416	4,476	4,001	3,862	3,069	7,104	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	4,785	4,439	9,360	7,495	3,077
1951	Above Normal	6,363	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,245	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,565	8,314	4,042	26,911	3,195	2,409	4,978	9,929	9,575	11,208	9,576	12,086
1954	Above Normal	3,738	8,900	3,058	9,956	16,981	8,256	9,789	7,431	10,282	13,531	9,432	7,790
1955	Dry	4,998	5,744	3,658	2,466	3,126	3,255	5,983	5,724	8,995	12,585	8,125	3,731
1956	Wet	4,126	3,355	24,919	28,406	20,332	3,269	3,201	10,773	9,560	9,323	8,904	10,724
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,076	3,841	4,172	12,726	2,537	8,218	8,132	11,972	12,221	9,037	1,924
1960	Dry	5,509	4,432	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,895
1961	Dry	4,907	3,803	5,400	3,071	9,119	5,610	5,954	7,039	10,725	13,544	9,822	4,655
1962	Below Normal	5,632	5,538	3,797	3,955	13,507	3,832	6,320	7,690	10,264	11,758	8,304	3,755
1963	Wet	6,733	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,935	8,508	9,149
1964	Dry	4,116	5,374	4,219	3,451	2,140	3,227	9,436	7,558	9,327	10,226	7,871	3,950
1965	Wet	4,029	3,742	16,133	19,879	4,223	4,503	6,116	6,884	10,129	11,676	7,701	11,253
1966	Below Normal	4,882	7,156	3,599	3,815	3,397	10,474	6,253	8,028	13,103	13,585	8,030	4,514
1967	Wet	5,542	3,606	10,304	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,624
1968	Below Normal	5,675	6,708	3,631	3,796	12,939	2,447	6,842	7,268	10,856	12,764	6,629	3,763
1969	Wet	4,143	3,416	4,039	22,168	19,852	5,140	11,360	10,987	10,021	10,436	9,076	10,785
1970	Wet	3,629	5,265	13,043	48,536	12,335	3,481	6,824	7,285	10,107	12,863	8,020	9,932
1971	Wet	6,429	4,568	5,248	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,344	8,210	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,148
1973	Above Normal	4,836	5,090	6,670	13,394	17,113	5,950	4,051	6,302	11,608	13,216	7,050	4,455
1974	Wet	4,455	25,743	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325
1975	Wet	6,616	10,849	3,835	3,872	3,572	22,950	3,882	9,184	10,621	8,993	9,637	9,999
1976	Critical	6,957	8,735	3,461	298	5,299	3,257	5,594	6,646	9,823	11,083	3,665	1,907
1977	Critical	6,119	4,999	4,520	4,144	6,375	4,483	9,943	5,707	12,989	11,929	5,024	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,713	8,589	4,498
1979	Below Normal	6,505	6,484	4,050	4,361	2,869	2,765	3,254	5,354	10,609	10,205	6,196	3,886
1980	Above Normal	4,201	5,546	3,917	17,330	28,377	3,796	4,501	6,840	10,119	10,538	8,533	3,377
1981	Dry	4,572	7,978	3,679	3,337	2,578	2,604	3,643	8,217	14,298	12,563	6,685	3,966
1982	Wet	3,019	7,081	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,677	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,699	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,116	9,739	7,538	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,440	18,882	2,088	7,941	11,492	10,364	8,637	3,580
1987	Dry	3,951	5,978	4,304	3,330	2,838	2,615	7,249	8,787	12,303	11,899	6,907	3,992
1988	Critical	5,917	4,250	2,837	3,147	5,313	3,369	5,326	5,870	11,090	11,560	9,559	3,792
1989	Dry	5,284	2,764	3,384	1,996	3,199	1,903	3,255	8,952	9,075	12,139	7,256	2,636
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,986	8,417	12,190	9,053	2,875
1991	Critical	4,435	3,980	3,251	4,930	3,252	2,971	3,254	6,188	8,050	8,412	5,648	3,554
1992	Critical	4,868	5,344	3,251	3,251	1,955	2,257	3,311	9,861	13,252	12,967	10,414	1,732
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,593	7,352	8,425
1994	Critical	6,194	6,689	3,971	3,051	2,909	3,189	8,070	6,776	10,750	11,966	10,172	2,995
1995	Wet	4,598	4,470	3,225	7,863	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	7,648	2,285	3,226	32,058	8,782	4,171	10,888	9,350	10,361	7,957	10,590
1997	Wet	6,831	8,472	24,150	32,560	4,019	4,479	6,578	9,159	10,133	12,229	6,653	10,921
1998	Wet	6,126	8,518	4,023	8,604	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,460	8,159	10,877
2000	Above Normal	5,277	11,064	3,940	2,621	32,514	6,438	2,878	7,748	11,146	13,556	8,685	6,574
2001	Dry	5,664	8,600	4,125	3,439	2,262	2,292	5,271	8,920	13,488	11,777	6,072	3,449
2002	Dry	5,660	3,485	2,972	8,218	2,981	3,083	6,707	8,266	11,296	10,626	7,285	4,192
2003	Above Normal	5,232	4,663	10,159	13,692	2,901	2,936	9,735	12,870	10,070	13,738	7,542	5,853

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,233
1923	Below Normal	4,916	7,060	3,282	3,048	2,972	3,427	2,992	10,059	10,077	10,696	8,107	3,440
1924	Critical	4,458	4,831	4,175	1,851	2,922	4,085	8,075	8,017	10,042	10,078	7,986	4,843
1925	Dry	3,873	2,869	2,826	0	1,633	2,821	2,539	5,333	8,893	10,523	8,975	5,013
1926	Dry	5,259	4,147	3,485	3,184	1,710	3,073	2,965	6,705	10,729	12,505	7,868	3,886
1927	Wet	4,203	2,802	3,514	3,871	26,245	3,396	9,170	8,633	10,797	11,233	9,255	11,785
1928	Above Normal	4,569	5,898	3,647	3,772	2,128	11,337	3,051	6,829	12,252	14,228	8,960	8,844
1929	Critical	4,572	5,621	3,134	0	3,115	3,212	6,085	6,546	8,470	9,796	10,501	4,152
1930	Dry	4,716	4,095	2,457	3,067	2,581	2,869	5,169	5,860	9,519	10,038	7,050	3,761
1931	Critical	4,345	3,688	3,333	3,023	3,069	3,017	9,118	7,536	8,654	9,992	6,373	3,107
1932	Dry	3,129	2,873	3,373	3,251	3,042	2,745	5,271	4,357	7,206	6,615	6,435	4,211
1933	Critical	3,997	3,464	3,238	3,373	3,251	3,268	5,660	5,256	6,978	6,849	10,941	5,738
1934	Critical	3,735	3,107	3,124	2,964	2,958	3,095	5,789	6,461	8,351	8,392	5,049	2,430
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,018	9,495	9,875	8,362	4,421
1936	Below Normal	4,283	3,941	3,481	2,091	2,661	4,046	4,637	6,433	8,814	11,797	8,537	4,503
1937	Below Normal	5,234	4,820	3,484	3,251	3,252	3,252	2,779	4,602	8,389	9,448	8,050	3,843
1938	Wet	3,627	2,922	14,749	3,530	28,967	32,392	10,694	7,578	9,544	11,387	9,155	10,869
1939	Dry	4,494	6,964	3,754	3,434	4,341	3,137	8,492	6,953	8,735	11,789	8,974	3,531
1940	Above Normal	4,037	4,688	3,321	2,176	24,954	19,297	3,432	6,584	10,860	13,086	9,246	5,082
1941	Wet	4,952	4,517	5,910	22,828	20,463	11,263	11,900	10,937	9,442	9,897	11,329	12,145
1942	Wet	5,326	8,628	10,071	17,061	25,435	4,393	3,700	10,007	8,774	10,118	10,887	12,147
1943	Wet	5,241	9,500	2,984	7,679	7,464	11,264	5,051	7,691	10,323	12,690	9,145	12,137
1944	Dry	4,742	9,017	3,899	3,964	2,773	1,967	6,758	5,767	7,572	9,961	7,282	3,108
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	5,005	5,557	9,000	11,182	8,323	4,934
1946	Below Normal	4,831	4,576	21,222	6,831	4,260	4,420	7,114	7,808	10,727	11,531	8,788	4,364
1947	Dry	5,179	4,100	3,632	3,770	3,029	2,971	5,888	9,049	9,350	12,519	8,637	4,827
1948	Below Normal	3,866	3,854	3,924	2,798	3,147	3,066	2,602	9,641	9,094	11,899	8,970	7,007
1949	Dry	6,411	4,476	4,001	3,862	3,069	7,109	5,196	6,740	10,600	10,932	8,220	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	8,785	9,394	7,496	8,936	3,077
1951	Above Normal	6,324	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,425	13,536	8,736	4,682
1952	Wet	4,244	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,588	9,510	2,980	26,794	3,195	2,409	4,978	9,930	9,575	11,209	9,575	12,086
1954	Above Normal	3,738	8,786	3,058	10,066	16,981	8,256	9,789	7,431	10,282	13,531	9,433	7,790
1955	Dry	4,989	5,771	3,658	2,460	3,126	3,255	5,983	5,723	8,994	12,582	8,263	4,066
1956	Wet	4,117	3,355	24,609	28,406	20,332	3,269	3,201	10,773	9,560	9,324	8,903	10,726
1957	Above Normal	5,628	10,432	4,001	3,941	2,170	8,486	5,761	8,548	10,330	13,503	8,612	6,024
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,150	3,841	4,100	12,726	2,537	8,216	8,136	11,974	12,221	9,042	1,926
1960	Dry	5,504	4,433	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,897
1961	Dry	4,906	3,803	5,394	3,071	9,119	5,610	5,955	7,039	10,724	13,544	9,822	4,654
1962	Below Normal	5,632	5,538	3,797	3,954	13,510	3,832	6,320	7,690	10,264	11,758	8,304	3,754
1963	Wet	6,734	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,936	8,508	9,115
1964	Dry	4,133	5,390	4,204	3,456	2,140	3,227	9,437	7,559	9,329	10,227	7,873	3,951
1965	Wet	4,029	3,742	16,134	19,879	4,223	4,503	6,116	6,868	10,109	11,663	7,687	11,247
1966	Below Normal	4,895	7,014	3,599	3,815	3,397	10,666	6,253	8,036	13,112	13,585	8,036	4,457
1967	Wet	5,520	3,606	10,357	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,745
1968	Below Normal	5,559	8,532	3,631	3,796	11,056	2,447	6,847	7,269	10,857	12,764	6,630	3,763
1969	Wet	4,142	3,416	4,039	22,161	19,852	5,140	11,360	10,987	10,021	10,453	9,077	10,766
1970	Wet	3,583	5,276	13,079	48,536	12,335	3,481	6,824	7,286	10,115	12,860	8,020	9,932
1971	Wet	6,419	4,577	5,245	13,470	3,970	16,508	5,478	8,448	9,325	12,065	8,076	9,830
1972	Below Normal	6,345	8,209	3,637	3,420	3,526	8,540	7,445	6,880	12,091	13,454	7,845	3,149
1973	Above Normal	4,835	5,090	6,670	13,394	17,113	5,950	6,302	11,609	13,215	7,050	5,324	4,051
1974	Wet	3,815	25,537	18,915	34,416	4,622	33,288	5,235	6,237	9,745	8,351	11,429	9,325
1975	Wet	6,616	10,740	3,835	3,872	3,572	23,055	3,882	9,184	10,621	8,994	9,836	10,000
1976	Critical	6,956	8,757	3,461	298	5,299	3,257	5,594	6,646	9,801	11,145	3,634	1,907
1977	Critical	6,087	5,007	4,516	4,148	6,375	4,483	9,944	5,702	12,980	11,924	5,036	3,883
1978	Above Normal	3,721	3,991	3,226	76	6,850	12,939	5,817	8,913	11,270	10,714	8,588	4,498
1979	Below Normal	6,505	7,601	3,966	4,211	2,969	2,765	3,254	5,165	10,558	9,992	6,145	4,151
1980	Above Normal	3,895	5,166	3,917	17,330	28,377	3,796	4,605	6,830	10,106	10,522	7,724	4,810
1981	Dry	4,672	6,264	3,679	3,337	2,578	2,604	3,648	8,224	14,298	12,721	6,873	3,910
1982	Wet	3,019	7,695	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,944	9,678	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,237	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,700	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,115	9,739	7,539	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,439	18,882	2,088	7,941	11,492	10,365	8,637	3,508
1987	Dry	3,946	6,389	4,304	3,330	2,838	2,615	7,247	8,775	11,972	11,899	6,960	4,034
1988	Critical	5,979	4,250	2,837	3,147	5,255	3,365	5,359	5,869	11,088	11,516	9,549	3,791
1989	Dry	5,286	2,764	3,384	2,013	3,199	1,903	3,255	8,949	9,074	12,135	7,256	2,632
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,987	8,418	12,192	9,055	2,876
1991	Critical	4,437	3,984	3,251	4,934	3,252	2,971	3,254	6,188	8,050	8,353	5,644	3,554
1992	Critical	4,870	5,350	3,251	3,251	1,955	2,257	3,312	9,870	13,262	12,959	10,415	1,701
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,591	7,354	8,425
1994	Critical	6,195	6,672	3,971	3,051	2,909	3,188	8,071	6,786	10,762	11,963	10,172	2,996
1995	Wet	4,599	4,471	3,225	7,855	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	8,808	2,141	3,050	31,204	8,782	4,171	10,888	9,351	10,361	7,956	10,590
1997	Wet	6,716	8,449	24,288	32,560	4,019	4,479	6,579	9,160	10,134	12,179	6,651	10,980
1998	Wet	6,125	8,517	4,023	8,598	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	10,963	10,963	9,196	9,922	11,461	9,922	8,160	10,877
2000	Above Normal	5,352	11,027	3,952	2,569	32,514	6,438	2,878	7,748	11,147	13,556	8,684	6,574
2001	Dry	5,659	8,599	4,167	3,439	2,262	2,292	5,272	8,918	13,490	11,777	6,022	3,449
2002	Dry	5,662	3,485	2,972	8,229	2,981	3,083	6,708	8,267	11,297	10,626	7,286	4,193
2003	Above Normal	5,317	4,669	10,064	13,692	2,901	2,936	9,735	12,870	10,070	13,731	7,542	5,859

Change in Simulated Shasta Reservoir Release to Sacramento River (Node C4)
 Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	14
1923	Below Normal	159	703	0	0	-204	0	0	-528	-561	-41	-422	-520
1924	Critical	-518	-512	-508	1,162	0	9	462	12	196	235	256	-559
1925	Dry	-2	0	0	0	0	0	0	6	12	-42	9	232
1926	Dry	2	-1	0	0	0	0	0	533	-259	13	-770	-443
1927	Wet	-12	0	0	150	1,741	0	0	0	-3	-2	41	-24
1928	Above Normal	-2	1	0	0	0	-12	0	20	13	-209	45	40
1929	Critical	-495	24	0	0	0	0	-2	5	4	-1	421	25
1930	Dry	-18	-16	0	0	0	0	-1	0	0	22	47	-1
1931	Critical	-1	-2	-1	0	0	0	1	0	-5	-68	85	0
1932	Dry	0	-1	0	0	0	0	-1	-9	-12	14	-4	72
1933	Critical	-22	-3	0	0	0	15	36	-257	-285	-265	860	-197
1934	Critical	612	4	-163	0	0	0	-8	364	-15	-1,782	1,466	-398
1935	Below Normal	0	0	0	0	0	0	0	-6	-9	-11	-8	-2
1936	Below Normal	-1	-1	0	0	0	0	-1	0	0	40	2	-198
1937	Below Normal	57	8	0	0	0	0	0	0	0	-72	-4	1
1938	Wet	0	0	194	0	0	0	0	0	-1	0	0	-134
1939	Dry	-48	856	-179	0	-4	0	-48	-37	-168	0	-222	1
1940	Above Normal	280	21	0	0	-311	0	0	4	6	0	5	445
1941	Wet	26	28	-495	0	0	0	0	0	0	0	0	0
1942	Wet	-27	24	4	0	0	0	0	0	0	0	0	-1
1943	Wet	1	-14	0	14	0	0	0	0	-7	-37	-8	114
1944	Dry	3	403	0	0	0	-126	-6	-8	-19	-64	-54	-7
1945	Below Normal	0	0	0	0	0	0	-503	-548	-545	-31	-504	-475
1946	Below Normal	-452	1,003	1,845	0	0	0	-16	-12	-13	-8	-11	-5
1947	Dry	-2	0	0	0	0	0	3	4	16	2	6	39
1948	Below Normal	2	0	0	0	0	0	0	-5	0	6	1	-7
1949	Dry	-4	0	0	0	0	4	1	1	1	1	1	1
1950	Below Normal	0	0	0	0	0	0	0	0	-1	35	1	-1
1951	Above Normal	-39	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-1	0	0	0	0	0	0	0	0	0
1953	Wet	24	1,196	-1,062	-117	0	0	0	0	0	1	-1	0
1954	Above Normal	0	-114	0	110	0	0	0	0	1	0	1	0
1955	Dry	-9	27	0	-6	0	0	0	-1	-1	-3	-11	335
1956	Wet	-9	0	-310	0	0	0	0	0	1	0	-1	1
1957	Above Normal	-1	0	0	0	0	-1	0	0	0	0	0	-1
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	75	0	-72	0	0	-2	4	1	0	5	1
1960	Dry	-5	2	0	0	0	0	-1	0	0	-1	0	2
1961	Dry	-1	0	-6	0	0	0	0	0	0	0	0	-1
1962	Below Normal	0	0	0	-1	3	0	0	0	0	0	0	0
1963	Wet	1	0	0	0	0	0	0	0	0	0	0	-34
1964	Dry	17	16	-15	5	-1	0	2	2	2	2	2	1
1965	Wet	0	0	1	0	0	0	0	-16	-20	-14	-14	-6
1966	Below Normal	14	-143	0	0	0	191	0	8	10	0	6	-57
1967	Wet	-22	0	53	0	0	0	0	0	0	0	0	121
1968	Below Normal	-117	1,824	0	0	-1,882	0	5	2	1	0	0	0
1969	Wet	-2	0	0	-6	0	0	0	0	0	17	1	-19
1970	Wet	-46	10	36	0	0	0	0	0	8	-3	0	0
1971	Wet	-10	8	-4	0	0	0	0	0	1	0	-1	0
1972	Below Normal	1	-1	0	0	0	-1	0	0	0	0	0	0
1973	Above Normal	-1	0	0	0	0	0	0	0	0	-1	0	869
1974	Wet	-640	-206	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	-108	0	0	0	105	0	0	0	0	0	1
1976	Critical	-1	23	0	0	0	0	0	-1	-22	62	-31	1
1977	Critical	-32	8	-4	4	0	0	0	-6	-9	-5	12	0
1978	Above Normal	0	-1	0	0	2	0	0	0	-1	1	-1	0
1979	Below Normal	0	1,116	-84	-150	100	0	0	-189	-51	-213	-51	265
1980	Above Normal	-306	-380	0	0	0	0	104	-10	-13	-16	-810	1,433
1981	Dry	100	-1,714	0	0	0	0	4	8	0	158	188	-55
1982	Wet	0	614	0	0	0	0	0	0	0	0	1	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-1	0	0	0	0	0	0	-72
1987	Dry	-4	412	0	0	0	0	-2	-12	-331	0	52	41
1988	Critical	62	0	0	0	-59	-4	34	-1	-2	-45	-9	-1
1989	Dry	2	0	0	16	0	0	0	-4	-1	-4	-1	-4
1990	Critical	0	0	0	0	0	0	1	1	1	2	3	1
1991	Critical	2	4	0	4	0	0	0	0	0	-59	-4	0
1992	Critical	2	5	0	0	0	0	1	10	11	-8	1	-31
1993	Above Normal	0	0	0	0	0	0	0	0	0	-2	2	0
1994	Critical	1	-17	0	0	0	-1	1	10	13	-3	1	1
1995	Wet	1	1	0	-8	0	0	0	0	0	0	0	0
1996	Wet	0	1,159	-144	-176	-855	0	0	0	1	0	-1	0
1997	Wet	-115	-23	137	0	0	0	0	1	0	-50	-2	59
1998	Wet	0	0	0	-6	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	74	-37	12	-52	0	0	0	0	1	0	-1	1
2001	Dry	-5	-1	43	0	0	0	1	-2	2	0	-50	0
2002	Dry	1	0	0	10	0	0	1	1	1	1	1	1
2003	Above Normal	85	6	-95	0	0	0	0	0	1	-7	1	6

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,619	2,820	3,178	3,315	3,289	2,731	2,250	2,101
1924	Critical	1,988	1,881	1,808	1,861	2,041	2,035	2,001	1,883	1,720	1,240	1,153	1,132
1925	Dry	1,139	1,184	1,245	1,342	1,957	2,225	2,522	2,664	2,485	1,917	1,639	1,341
1926	Dry	1,248	1,251	1,252	1,360	1,860	2,108	2,733	2,647	3,329	1,702	1,370	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,512	1,913
1928	Above Normal	1,720	1,827	1,800	1,974	2,085	2,797	3,233	3,361	3,081	2,456	1,950	1,459
1929	Critical	1,248	1,238	1,231	1,253	1,356	1,485	1,465	1,406	1,289	1,172	1,079	1,051
1930	Dry	1,023	1,015	1,477	1,757	1,913	2,375	2,718	2,866	2,631	2,030	1,753	1,461
1931	Critical	1,390	1,403	1,429	1,562	1,687	1,890	1,789	1,733	1,602	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,384	1,655	1,922	2,260	2,316	1,780	1,446	1,377
1933	Critical	1,276	1,251	1,253	1,336	1,424	1,390	1,459	1,517	1,453	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,292	1,379	1,643	1,634	1,517	1,341	1,232	1,126	1,103
1935	Below Normal	1,071	1,120	1,184	1,376	1,569	1,840	2,855	3,339	3,343	2,747	2,244	1,918
1936	Below Normal	1,816	1,756	1,746	2,258	2,788	2,954	3,353	3,538	3,538	2,964	2,473	2,351
1937	Below Normal	2,115	2,011	1,761	1,803	1,973	2,324	2,707	3,048	2,750	2,178	1,806	1,707
1938	Wet	1,511	1,688	2,584	2,864	2,788	2,788	3,277	3,538	3,538	3,411	3,198	2,771
1939	Dry	2,687	2,711	2,733	2,830	2,916	3,108	3,057	2,924	2,723	2,108	1,682	1,275
1940	Above Normal	1,248	1,230	1,252	1,718	2,707	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,598	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,544
1943	Wet	2,423	2,535	2,848	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,513	1,945
1944	Dry	1,818	1,801	1,567	1,641	1,779	1,998	2,124	2,351	2,176	1,587	1,241	1,178
1945	Below Normal	1,129	1,204	1,333	1,494	2,097	2,389	2,632	2,893	2,898	2,337	1,899	1,735
1946	Below Normal	1,585	1,636	2,283	2,685	2,888	3,063	3,387	3,538	3,441	2,870	2,383	2,155
1947	Dry	1,937	1,955	2,045	2,111	2,387	2,715	2,870	2,773	2,603	1,997	1,623	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,019
1949	Dry	1,917	1,900	1,916	1,969	2,050	2,336	2,615	2,793	2,574	1,986	1,656	1,283
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,706	2,243	2,048
1951	Above Normal	2,074	2,643	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,528	3,109
1953	Wet	2,982	3,002	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,036	2,815	2,306
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,626	1,650	1,743	1,872	1,959	2,097	2,167	2,346	2,249	1,688	1,461	1,261
1956	Wet	1,229	1,208	2,706	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,478
1957	Above Normal	2,410	2,444	2,220	2,330	2,730	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,354	2,862
1959	Below Normal	2,733	2,754	2,558	2,884	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,563
1960	Dry	1,417	1,321	1,304	1,430	2,027	2,591	2,774	2,853	2,638	2,052	1,650	1,258
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,981	2,023	2,175	2,303	2,436	2,539	2,644	2,582	2,000	1,738	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,135
1966	Below Normal	2,050	2,165	2,287	2,467	2,557	2,785	3,091	3,124	2,864	2,247	1,755	1,338
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,959
1968	Below Normal	2,849	2,866	2,800	2,922	2,962	3,036	3,181	3,266	3,036	2,398	1,978	1,680
1969	Wet	1,592	1,652	1,874	2,788	2,788	3,027	3,470	3,538	3,538	3,445	3,347	2,941
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,041	1,666
1971	Wet	1,543	1,740	2,119	2,455	2,718	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,243	2,788
1975	Wet	2,669	2,728	2,799	2,875	2,884	2,833	3,277	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,523	2,631	2,582	2,700	2,831	2,990	2,912	2,799	2,608	2,027	1,737	1,425
1977	Critical	1,248	1,246	1,214	1,195	1,179	1,191	1,079	1,020	803	746	746	754
1978	Above Normal	742	766	971	1,839	2,347	2,944	3,218	3,536	3,538	3,001	2,629	2,286
1979	Below Normal	2,147	2,127	1,879	2,082	2,398	2,766	2,991	3,276	3,021	2,466	2,066	1,971
1980	Above Normal	1,961	2,019	2,142	2,813	2,788	3,028	3,294	3,491	3,464	3,124	3,042	2,990
1981	Dry	2,826	2,800	2,816	2,947	3,075	3,024	3,189	3,175	2,872	2,247	1,882	1,503
1982	Wet	1,516	2,447	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,015	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,431	1,972
1987	Dry	1,861	1,888	1,637	1,653	1,813	2,136	2,157	1,967	1,645	1,241	1,087	1,020
1988	Critical	1,061	1,171	1,468	1,717	1,780	1,866	1,901	1,877	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,127	3,030	2,750	2,154	1,750	1,462
1990	Critical	1,495	1,514	1,457	1,598	1,682	1,946	1,921	1,940	1,862	1,272	1,232	1,160
1991	Critical	1,179	1,217	1,235	1,207	1,222	1,567	1,766	1,897	1,719	1,240	1,185	1,165
1992	Critical	1,169	1,186	1,210	1,247	1,466	1,706	1,846	1,688	1,396	1,234	1,093	967
1993	Above Normal	1,018	1,051	1,221	1,762	2,272	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,331
1996	Wet	3,163	3,054	3,122	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,215	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,203	2,622	2,369	1,817
1998	Wet	1,700	1,770	1,968	2,706	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,552
2000	Above Normal	2,414	2,478	2,266	2,523	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,526	1,591	1,690	1,900	1,966	1,895	1,615	1,240	1,131	1,041
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,506	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Alternative 1 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,117	2,861	2,372
1923	Below Normal	2,270	2,270	2,346	2,598	2,601	2,802	3,160	3,297	3,271	2,714	2,234	2,038
1924	Critical	1,849	1,741	1,534	1,586	1,766	1,759	1,725	1,607	1,443	1,241	1,156	1,135
1925	Dry	1,141	1,185	1,246	1,344	1,958	2,226	2,524	2,666	2,467	1,899	1,631	1,333
1926	Dry	1,251	1,266	1,273	1,411	1,911	2,159	2,784	2,700	2,380	1,772	1,362	1,244
1927	Wet	1,240	1,516	1,501	1,802	2,788	2,999	3,396	3,538	3,538	2,984	2,513	1,914
1928	Above Normal	1,721	1,828	1,802	1,976	2,086	2,797	3,233	3,362	3,080	2,455	1,949	1,457
1929	Critical	1,248	1,236	1,230	1,253	1,354	1,488	1,468	1,408	1,291	1,174	1,083	1,055
1930	Dry	1,026	1,018	1,480	1,760	1,916	2,378	2,720	2,869	2,634	2,033	1,751	1,459
1931	Critical	1,382	1,390	1,413	1,546	1,671	1,874	1,773	1,717	1,587	1,240	1,113	1,083
1932	Dry	1,071	1,087	1,038	1,241	1,384	1,655	1,923	2,261	2,316	1,780	1,303	1,244
1933	Critical	1,238	1,224	1,246	1,307	1,394	1,360	1,430	1,488	1,424	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,108	1,293	1,380	1,645	1,636	1,518	1,343	1,234	1,127	1,104
1935	Below Normal	1,056	1,105	1,169	1,362	1,554	1,826	2,840	3,324	3,328	2,731	2,229	1,903
1936	Below Normal	1,783	1,707	1,696	2,208	2,788	2,954	3,353	3,538	3,538	2,963	2,473	2,319
1937	Below Normal	2,082	1,979	1,730	1,771	1,942	2,293	2,676	3,017	2,681	2,105	1,742	1,644
1938	Wet	1,447	1,625	2,521	2,800	2,788	2,788	3,277	3,538	3,538	3,397	3,187	2,705
1939	Dry	2,621	2,645	2,685	2,781	2,868	3,060	3,009	2,880	2,680	2,065	1,642	1,244
1940	Above Normal	1,238	1,221	1,246	1,711	2,700	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,597	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,516
1943	Wet	2,395	2,507	2,820	2,788	2,890	2,937	3,350	3,526	3,538	2,966	2,514	1,947
1944	Dry	1,820	1,803	1,567	1,641	1,780	1,998	2,125	2,352	2,176	1,588	1,241	1,172
1945	Below Normal	1,123	1,198	1,327	1,488	2,091	2,383	2,626	2,887	2,892	2,332	1,864	1,665
1946	Below Normal	1,515	1,602	2,249	2,651	2,846	3,063	3,387	3,538	3,431	2,860	2,373	2,148
1947	Dry	1,931	1,949	2,038	2,104	2,380	2,709	2,864	2,766	2,597	1,990	1,619	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,018
1949	Dry	1,917	1,900	1,915	1,968	2,049	2,336	2,614	2,792	2,574	1,986	1,653	1,280
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,708	2,246	2,051
1951	Above Normal	2,076	2,645	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,529	3,088
1953	Wet	2,963	2,983	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,037	2,815	2,366
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,624	1,648	1,741	1,870	1,957	2,095	2,165	2,344	2,247	1,686	1,459	1,271
1956	Wet	1,239	1,218	2,716	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,476
1957	Above Normal	2,409	2,443	2,218	2,328	2,729	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,353	2,861
1959	Below Normal	2,733	2,754	2,558	2,883	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,564
1960	Dry	1,420	1,327	1,312	1,438	2,035	2,599	2,782	2,861	2,646	2,060	1,655	1,263
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,982	2,024	2,176	2,304	2,437	2,540	2,645	2,583	2,001	1,739	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,136
1966	Below Normal	2,050	2,165	2,287	2,467	2,558	2,785	3,092	3,125	2,864	2,247	1,755	1,340
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,957
1968	Below Normal	2,846	2,863	2,787	2,922	2,962	3,036	3,181	3,266	3,038	2,400	1,980	1,682
1969	Wet	1,614	1,673	1,896	2,788	2,788	3,027	3,470	3,538	3,538	3,434	3,340	2,939
1970	Wet	2,902	2,981	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,040	1,665
1971	Wet	1,542	1,740	2,118	2,454	3,162	3,433	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,244	2,756
1975	Wet	2,637	2,697	2,768	2,844	2,884	2,833	3,276	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,521	2,629	2,579	2,697	2,829	2,987	2,910	2,797	2,606	2,026	1,737	1,425
1977	Critical	1,248	1,247	1,215	1,196	1,180	1,192	1,080	1,021	804	747	747	755
1978	Above Normal	743	767	972	1,840	2,348	2,944	3,218	3,536	3,538	3,001	2,628	2,284
1979	Below Normal	2,147	2,126	1,877	2,080	2,395	2,763	2,989	3,273	3,020	2,465	2,066	1,908
1980	Above Normal	1,821	1,879	2,001	2,813	2,788	3,028	3,295	3,492	3,465	3,204	3,123	2,905
1981	Dry	2,743	2,718	2,740	2,888	3,075	3,024	3,189	3,175	2,871	2,246	1,881	1,505
1982	Wet	1,508	2,439	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,014	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,354	1,962
1987	Dry	1,851	1,878	1,627	1,642	1,802	2,125	2,146	1,957	1,634	1,241	1,087	1,020
1988	Critical	1,061	1,172	1,468	1,718	1,780	1,866	1,901	1,878	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,128	3,030	2,750	2,155	1,757	1,468
1990	Critical	1,500	1,519	1,460	1,601	1,685	1,948	1,924	1,943	1,865	1,275	1,234	1,163
1991	Critical	1,182	1,219	1,237	1,209	1,225	1,569	1,768	1,900	1,721	1,240	1,187	1,167
1992	Critical	1,172	1,189	1,212	1,250	1,469	1,709	1,849	1,690	1,399	1,237	1,096	970
1993	Above Normal	1,021	1,054	1,224	1,765	2,275	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,330
1996	Wet	3,163	3,055	3,122	2,788	2,788	2,995	3,252	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,216	2,318	2,788	2,788	2,952	3,123	3,304	3,344	3,213	2,628	2,375	1,822
1998	Wet	1,705	1,775	1,973	2,711	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,561
2000	Above Normal	2,423	2,486	2,274	2,531	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,539	1,605	1,703	1,913	1,980	1,908	1,628	1,240	1,131	1,040
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,511	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,986

Simulated Oroville Reservoir Release to Feather River (Node C6)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,300	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,314	1,614	2,572	3,480	3,737	10,799	9,331	3,801
1924	Critical	2,814	2,535	2,011	1,594	1,595	2,468	3,408	3,997	4,672	9,071	2,824	1,421
1925	Dry	849	842	845	1,416	756	647	2,029	2,863	6,057	10,892	6,215	6,405
1926	Dry	2,495	1,276	1,766	1,202	707	1,445	1,523	5,444	7,648	11,808	6,958	3,396
1927	Wet	1,023	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	10,994	10,138	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,170	2,589	3,546	7,588	12,519	10,017	9,502
1929	Critical	4,304	1,301	1,642	2,062	1,783	1,709	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,948	11,365	6,082	6,157
1931	Critical	2,053	1,092	841	793	798	682	4,853	3,485	4,291	7,166	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	7,041	2,459
1933	Critical	2,535	1,406	1,190	1,081	813	4,623	3,618	4,142	5,055	5,122	2,794	1,530
1934	Critical	1,087	870	2,667	1,397	3,551	765	4,062	4,593	5,040	3,102	3,087	1,400
1935	Below Normal	1,294	839	812	1,400	824	665	1,789	3,432	4,939	11,416	9,796	6,661
1936	Below Normal	2,592	2,071	1,644	1,500	5,741	5,375	2,603	3,318	4,101	10,931	9,540	3,392
1937	Below Normal	4,684	2,648	5,237	1,621	1,523	1,546	2,690	3,624	9,354	10,901	7,691	2,855
1938	Wet	4,142	1,601	1,540	1,522	13,275	19,226	14,276	19,855	11,317	6,286	6,514	9,859
1939	Dry	4,139	2,566	2,878	1,614	1,621	1,596	5,521	5,032	5,581	11,448	8,327	7,943
1940	Above Normal	1,286	1,200	1,187	1,651	1,006	19,615	5,524	3,154	5,599	12,718	10,461	10,011
1941	Wet	3,944	2,495	1,526	1,516	15,064	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,926	5,590	11,502
1943	Wet	4,577	2,422	1,538	16,676	7,325	15,925	5,252	3,425	4,820	12,358	9,890	11,928
1944	Dry	4,581	2,694	5,419	2,012	1,979	1,962	3,680	3,664	6,761	11,285	7,384	2,416
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,080	11,239	9,502	3,715
1946	Below Normal	4,074	2,204	1,534	1,525	1,552	3,468	3,262	4,250	5,204	11,881	10,122	5,293
1947	Dry	4,569	2,503	1,534	1,607	1,509	1,527	2,856	4,590	5,621	11,395	7,661	7,418
1948	Below Normal	1,725	1,447	1,357	1,543	1,234	864	1,423	2,620	3,852	11,792	9,858	2,860
1949	Dry	2,629	1,708	1,561	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,942	7,420
1950	Below Normal	1,356	980	1,164	1,351	705	619	2,844	3,350	3,825	11,598	9,804	5,097
1951	Above Normal	2,069	1,560	12,245	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,346	9,625
1953	Wet	4,637	2,556	6,321	20,841	1,529	6,079	6,072	5,485	8,275	12,284	6,545	11,126
1954	Above Normal	4,331	2,493	5,708	2,778	1,517	6,612	7,182	3,421	7,667	12,724	9,990	9,910
1955	Dry	4,148	1,675	1,526	1,540	1,608	1,594	3,572	3,550	4,936	10,817	5,337	4,737
1956	Wet	1,403	1,685	2,172	19,481	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,879
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,868	3,131	3,156	4,110	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,182	4,082	10,841
1959	Below Normal	4,699	2,636	6,481	1,462	7,663	2,117	4,258	3,598	6,803	12,349	9,768	5,397
1960	Dry	3,269	2,569	1,614	1,092	969	777	3,602	3,575	6,566	11,326	8,047	7,880
1961	Dry	1,132	1,698	1,400	1,077	963	889	2,999	3,599	5,141	11,642	5,525	1,757
1962	Below Normal	1,427	885	1,373	853	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,618	16,187	8,109	13,695	5,499	5,266	12,671	9,453	11,639
1964	Dry	4,029	2,002	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,803	8,155
1965	Wet	2,140	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,084	7,630	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,060	6,344	12,386	9,934	8,130
1967	Wet	2,319	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,608	11,496
1968	Below Normal	4,643	2,424	4,192	2,385	11,573	6,449	3,904	3,657	6,671	12,693	9,284	7,179
1969	Wet	3,320	1,577	1,524	9,511	12,367	6,318	9,203	15,400	6,407	4,368	4,460	9,940
1970	Wet	4,012	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,982	11,988	9,654	8,698
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,367	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,891	2,347	1,501	1,492	1,495	2,001	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,317	7,077
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,104	3,203	10,153
1975	Wet	4,078	2,404	1,578	1,626	7,873	12,729	2,610	10,960	8,991	10,775	3,012	11,268
1976	Critical	2,724	2,391	4,606	1,482	1,597	1,645	3,672	3,724	4,085	9,861	5,367	6,692
1977	Critical	3,691	1,106	1,213	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,391	6,175	3,629	4,679	10,476	8,726	8,535
1979	Below Normal	4,689	2,454	6,143	1,175	1,062	885	2,487	3,657	7,057	11,264	8,572	3,126
1980	Above Normal	2,713	1,760	1,675	9,616	17,951	5,136	2,897	3,344	3,613	7,885	2,988	2,663
1981	Dry	4,684	2,602	3,375	1,863	3,516	6,762	2,604	3,470	7,208	11,308	7,144	8,226
1982	Wet	2,105	1,069	13,343	8,118	17,776	13,215	20,114	10,721	6,684	6,400	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,676
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,580	5,775
1986	Wet	4,527	2,485	1,513	1,452	20,984	22,561	2,634	3,547	4,475	11,339	5,359	11,230
1987	Dry	4,742	2,480	5,738	1,652	1,578	1,490	2,812	4,659	6,014	6,887	2,878	2,638
1988	Critical	1,433	990	1,617	956	1,154	1,480	2,045	2,636	4,118	8,248	2,365	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,261	6,251
1990	Critical	1,952	2,439	3,292	668	664	574	3,757	2,256	3,614	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,292	883	1,255	1,689	2,055	4,768	9,334	2,599	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,420	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,509	4,954	9,632	6,981	11,930	9,925	10,217
1994	Critical	4,322	2,359	3,741	1,066	982	785	3,525	3,046	4,008	10,737	3,773	2,942
1995	Wet	2,129	1,100	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,263
1996	Wet	5,228	4,525	3,915	11,720	20,967	9,934	7,963	11,925	5,528	11,470	5,717	11,296
1997	Wet	4,183	2,528	14,828	40,731	10,066	5,233	3,529	3,385	4,834	11,284	6,299	11,027
1998	Wet	4,436	2,574	2,054	1,449	16,957	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,148	2,927	3,390	4,206	11,176	4,779	7,182
2000	Above Normal	4,420	2,412	6,319	1,538	8,638	9,179	2,368	3,684	6,517	12,832	9,661	9,422
2001	Dry	3,933	2,457	6,286	1,587	1,556	1,462	2,788	4,622	6,102	7,452	2,973	2,552
2002	Dry	2,637	1,230	1,653	996	1,078	776	3,327	2,837	4,105	10,616	3,385	6,422
2003	Above Normal	2,325	1,853	2,124	1,455	1,457	1,477	2,012	6,847	4,988	12,672	9,298	10,125

Simulated Oroville Reservoir Release to Feather River (Node C6)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	5,007	2,507	3,271	1,521	2,614	4,626	3,494	18,978	9,293	10,329	6,827	10,578
1923	Below Normal	4,191	2,568	3,836	1,522	3,489	1,617	2,574	3,482	3,739	10,778	9,317	4,592
1924	Critical	4,054	2,553	4,185	1,596	1,598	2,484	3,414	4,002	4,684	4,577	2,784	1,430
1925	Dry	855	847	849	1,420	759	641	2,025	2,857	6,388	10,885	6,071	6,409
1926	Dry	2,297	1,089	1,668	703	709	1,448	1,524	5,421	7,675	11,498	8,222	3,259
1927	Wet	1,030	1,568	4,107	705	2,642	6,935	6,543	6,337	4,734	11,992	10,130	11,691
1928	Above Normal	4,148	2,543	3,025	1,506	4,240	8,192	2,587	3,544	7,599	12,515	10,030	9,515
1929	Critical	4,272	1,325	1,640	2,039	1,813	1,631	4,367	5,565	4,921	3,482	2,893	1,541
1930	Dry	1,241	859	4,519	701	3,819	619	2,239	3,100	6,949	11,366	6,162	6,153
1931	Critical	2,155	1,175	884	795	798	683	4,853	3,487	4,273	6,923	3,365	1,511
1932	Dry	1,045	846	4,424	772	1,459	2,772	3,328	2,481	3,483	10,288	9,377	2,291
1933	Critical	994	1,222	853	1,461	813	4,623	3,618	4,141	5,047	4,648	2,791	1,526
1934	Critical	1,084	868	2,667	1,398	3,551	754	4,059	4,590	5,040	3,103	3,092	1,404
1935	Below Normal	1,548	841	813	1,401	824	666	1,790	3,434	4,942	11,416	9,797	6,661
1936	Below Normal	2,886	2,348	1,645	1,499	4,876	5,375	2,603	3,318	4,101	10,940	9,540	3,927
1937	Below Normal	4,683	2,647	5,218	1,621	1,545	2,690	3,624	2,690	9,999	10,972	7,533	2,855
1938	Wet	4,142	1,601	1,540	1,521	12,130	19,226	14,276	19,855	11,317	6,518	6,461	10,778
1939	Dry	4,139	2,566	2,595	1,613	1,620	1,595	5,521	4,961	5,569	11,434	8,301	7,798
1940	Above Normal	928	1,201	1,138	1,651	1,006	19,507	5,524	3,154	5,599	12,718	10,462	10,012
1941	Wet	3,948	2,495	1,526	1,516	15,057	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,924	5,587	11,979
1943	Wet	4,575	2,421	1,537	16,223	7,325	15,925	5,252	3,424	4,821	12,343	9,887	11,925
1944	Dry	4,578	2,695	5,429	2,015	1,981	1,965	3,680	3,664	6,759	11,282	7,393	2,515
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,079	11,229	9,501	4,813
1946	Below Normal	4,074	1,596	1,534	1,525	1,699	2,780	3,263	4,250	5,382	11,878	10,120	5,230
1947	Dry	4,570	2,504	1,534	1,606	1,509	1,527	2,856	4,590	5,622	11,397	7,631	7,337
1948	Below Normal	1,725	1,447	1,357	1,543	1,232	864	1,423	2,620	3,852	11,793	9,913	2,864
1949	Dry	2,633	1,712	1,562	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,978	7,420
1950	Below Normal	1,307	980	1,164	1,351	705	619	2,844	3,350	3,825	11,558	9,804	5,097
1951	Above Normal	2,068	1,560	12,286	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,333	9,997
1953	Wet	4,614	2,540	6,012	20,841	1,529	6,079	6,072	5,485	8,275	12,283	6,545	11,124
1954	Above Normal	4,333	2,494	5,707	2,778	1,517	6,614	7,182	3,421	7,668	12,724	9,991	9,911
1955	Dry	4,175	1,675	1,526	1,539	1,608	1,593	3,572	3,550	4,935	10,816	5,337	4,535
1956	Wet	1,403	1,685	2,172	19,650	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,908
1957	Above Normal	4,165	2,606	6,806	1,592	3,695	4,840	3,131	3,156	4,111	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,184	4,082	10,843
1959	Below Normal	4,699	2,636	6,482	1,462	7,657	2,117	4,258	3,597	6,804	12,352	9,767	5,369
1960	Dry	3,250	2,507	1,591	1,092	969	777	3,603	3,575	6,565	11,325	8,091	7,882
1961	Dry	1,214	1,698	1,401	1,077	963	888	2,999	3,599	5,141	11,642	5,524	1,757
1962	Below Normal	1,427	886	1,372	854	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,617	16,187	8,109	13,695	5,499	5,267	12,735	9,453	11,639
1964	Dry	4,029	1,984	1,560	1,465	1,488	1,510	3,893	3,327	4,197	10,960	5,807	8,156
1965	Wet	2,152	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,080	7,632	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,061	6,347	12,386	9,934	8,105
1967	Wet	2,342	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,607	11,535
1968	Below Normal	4,642	2,424	4,366	2,174	11,573	6,449	3,904	3,656	6,634	11,928	7,178	7,178
1969	Wet	3,005	1,575	1,523	9,865	12,367	6,318	9,203	15,400	6,407	4,555	4,388	9,843
1970	Wet	4,196	2,452	13,263	35,711	10,502	3,980	3,503	3,526	4,985	11,986	9,654	8,710
1971	Wet	4,239	2,729	2,142	2,122	2,104	6,354	6,305	10,580	8,197	11,804	8,332	11,577
1972	Below Normal	3,889	2,347	1,501	1,492	1,495	2,002	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,317	7,076
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,101	3,199	10,693
1975	Wet	4,072	2,399	1,576	1,626	7,313	12,729	2,610	10,960	8,991	10,776	3,013	11,269
1976	Critical	2,758	2,392	4,608	1,482	1,597	1,645	3,672	3,724	4,085	9,829	5,363	6,690
1977	Critical	3,692	1,089	1,212	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,407	6,175	3,627	4,681	10,482	8,732	8,541
1979	Below Normal	4,683	2,450	6,174	1,174	1,062	885	2,487	3,656	7,042	11,248	8,570	4,182
1980	Above Normal	3,970	1,758	1,675	7,331	17,951	5,136	2,891	3,337	3,604	6,606	2,976	5,440
1981	Dry	4,665	2,589	3,267	1,587	2,446	6,762	2,605	3,472	7,212	11,313	7,151	8,175
1982	Wet	2,265	1,071	13,213	8,118	17,776	13,215	20,114	10,721	6,684	6,401	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,678
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,579	5,775
1986	Wet	4,527	2,484	1,514	1,452	20,984	22,560	2,634	3,547	4,475	11,339	6,612	10,108
1987	Dry	4,742	2,480	5,750	1,652	1,578	1,490	2,812	4,658	6,010	6,718	2,877	2,635
1988	Critical	1,431	988	1,616	956	1,154	1,480	2,045	2,635	4,117	8,257	2,364	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,161	6,249
1990	Critical	1,974	2,439	3,328	668	664	574	3,757	2,256	3,615	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,293	883	1,255	1,689	2,055	4,767	9,377	2,217	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,417	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,555	4,954	9,632	6,981	11,929	9,925	10,217
1994	Critical	4,322	2,359	3,742	1,066	982	785	3,525	3,046	4,008	10,736	3,773	2,942
1995	Wet	2,129	1,101	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,266
1996	Wet	5,225	4,522	3,912	11,725	20,967	9,934	7,963	11,925	5,528	11,469	5,715	11,295
1997	Wet	4,179	2,525	14,839	40,731	10,066	5,233	3,529	3,385	4,676	11,334	6,299	11,048
1998	Wet	4,436	2,574	2,054	1,449	17,047	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,149	2,927	3,390	4,206	11,176	4,780	7,033
2000	Above Normal	4,421	2,412	6,319	1,538	8,791	9,179	2,367	3,685	6,518	12,831	9,662	9,423
2001	Dry	3,932	2,456	6,072	1,587	1,556	1,462	2,788	4,622	6,104	7,663	2,974	2,552
2002	Dry	2,637	1,230	1,654	996	1,078	776	3,326	2,836	4,105	10,616	3,309	6,506
2003	Above Normal	2,326	1,845	2,123	1,456	1,457	1,477	2,012	6,847	4,988	12,673	9,298	10,125

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	562	518	575	575	494	554	800	975	975	802	789	650
1924	Critical	576	515	448	387	393	376	371	366	347	327	308	295
1925	Dry	305	334	388	403	556	652	800	975	915	715	618	612
1926	Dry	602	567	533	489	575	634	800	779	628	475	389	387
1927	Wet	361	495	574	575	559	656	800	975	975	806	797	595
1928	Above Normal	577	492	512	518	546	644	800	953	832	563	496	426
1929	Critical	384	349	316	275	300	351	415	465	461	400	346	314
1930	Dry	300	280	415	493	557	669	770	793	701	484	443	447
1931	Critical	412	386	331	305	300	341	342	356	359	322	275	199
1932	Dry	154	161	293	405	575	671	793	975	975	906	770	650
1933	Critical	604	518	458	415	388	431	487	584	566	397	329	300
1934	Critical	263	229	317	422	519	624	596	483	295	273	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	936	789	605
1939	Dry	601	553	509	469	457	582	636	621	556	413	348	354
1940	Above Normal	344	324	316	571	555	634	800	975	975	760	720	518
1941	Wet	490	379	550	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	795	793	592
1944	Dry	505	409	357	329	393	520	583	690	656	510	434	401
1945	Below Normal	371	439	494	497	563	667	800	975	975	782	764	557
1946	Below Normal	546	571	575	571	563	659	800	975	975	764	699	564
1947	Dry	529	544	543	495	564	672	751	767	652	496	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	588	569
1950	Below Normal	533	484	426	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	653	517	553	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	539	523	552	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	510	520	581	703	708	615	529	508
1956	Wet	473	430	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	502	440	493	575	654	737	757	720	447	398	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	497	560	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	568	575	559	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	515	518	512	534	541	638	800	838	796	536	503	489
1967	Wet	448	466	575	570	555	646	800	975	975	950	800	636
1968	Below Normal	637	549	540	569	547	649	712	735	690	428	422	410
1969	Wet	378	412	479	543	522	647	800	975	975	876	766	600
1970	Wet	607	570	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	595
1974	Wet	597	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	500	483	482	575	673	800	975	975	938	800	640
1976	Critical	680	531	498	442	417	442	456	482	464	432	407	386
1977	Critical	378	356	313	281	250	245	233	236	214	177	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	536	487	559	575	668	800	975	908	712	692	611
1980	Above Normal	609	575	575	459	426	627	800	975	975	950	752	603
1981	Dry	550	467	426	425	433	576	667	693	654	497	431	424
1982	Wet	417	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	619	490
1987	Dry	489	437	380	341	375	492	552	536	469	287	243	261
1988	Critical	260	263	340	447	442	473	512	512	470	402	350	336
1989	Dry	328	402	453	481	529	631	800	833	645	480	417	399
1990	Critical	404	391	349	356	374	469	530	532	503	422	390	368
1991	Critical	317	271	218	157	116	309	451	583	612	484	290	232
1992	Critical	241	244	250	238	409	561	589	520	421	113	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	474	410	414	428	458	483	502	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	519	575	562	478	628	800	975	975	879	800	622
1997	Wet	555	501	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	585	484	432	571	538	644	800	975	940	683	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	477	410	415
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	600
2003	Above Normal	501	488	575	563	539	621	800	975	975	754	737	600

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Alternative 1 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	559	505	575	575	492	552	800	975	975	802	772	650
1924	Critical	530	470	402	342	348	331	326	322	313	305	299	294
1925	Dry	304	334	387	402	556	652	800	975	935	734	635	636
1926	Dry	625	575	541	497	575	634	800	808	638	486	419	374
1927	Wet	348	485	569	575	559	656	800	975	975	806	796	593
1928	Above Normal	574	492	512	517	546	644	800	953	831	562	497	427
1929	Critical	386	350	318	276	300	353	416	467	462	401	347	315
1930	Dry	300	280	414	492	556	669	770	793	701	485	449	452
1931	Critical	418	391	336	311	306	347	348	362	366	324	281	206
1932	Dry	161	167	300	411	575	671	793	975	975	906	800	620
1933	Critical	509	382	322	282	255	299	356	454	422	243	232	201
1934	Critical	195	160	264	371	468	573	545	432	244	223	93	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	574	523	467	429	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	950	800	607
1939	Dry	603	543	499	459	447	571	625	608	544	404	346	352
1940	Above Normal	342	324	316	571	555	634	800	975	975	760	701	499
1941	Wet	471	369	540	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	796	793	593
1944	Dry	511	402	351	322	386	513	576	683	649	506	431	399
1945	Below Normal	369	437	493	497	563	667	800	975	975	782	733	566
1946	Below Normal	557	575	575	571	563	659	800	975	975	764	698	560
1947	Dry	529	545	543	496	564	672	751	767	653	497	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	590	572
1950	Below Normal	536	487	428	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	650	499	535	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	541	525	554	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	509	520	581	703	708	615	529	502
1956	Wet	467	426	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	501	439	492	575	654	737	757	720	446	397	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	496	559	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	575	482	618	800	975	975	802	788	590
1964	Dry	569	575	560	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	516	521	515	537	544	641	800	838	796	534	502	488
1967	Wet	447	465	575	570	555	646	800	975	975	950	800	634
1968	Below Normal	636	522	517	546	547	649	712	735	690	426	419	407
1969	Wet	375	410	478	543	522	647	800	975	975	875	765	600
1970	Wet	607	571	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	554
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	581
1974	Wet	582	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	502	485	483	575	673	800	975	975	938	800	640
1976	Critical	680	530	497	442	417	441	456	482	464	431	407	385
1977	Critical	377	356	313	281	249	244	233	236	214	176	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	519	470	542	575	668	800	975	907	702	682	601
1980	Above Normal	599	575	575	459	426	627	800	975	975	873	676	561
1981	Dry	537	481	440	440	447	590	681	708	668	511	439	434
1982	Wet	427	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	624	492
1987	Dry	490	438	381	341	375	492	552	535	469	290	246	264
1988	Critical	263	266	343	450	442	473	511	511	469	401	349	336
1989	Dry	328	402	453	481	530	631	800	833	645	480	416	398
1990	Critical	404	390	349	355	374	468	529	531	503	421	389	368
1991	Critical	317	271	218	158	116	309	452	583	612	485	288	230
1992	Critical	239	242	248	236	406	558	587	519	420	112	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	475	410	415	428	458	483	503	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	503	575	562	478	628	800	975	975	879	800	622
1997	Wet	557	504	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	584	483	432	571	538	644	800	975	940	684	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	478	410	416
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	593
2003	Above Normal	500	486	575	563	539	621	800	975	975	754	737	600

Simulated Folsom Reservoir Release to American River (Node C8)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,782	2,655	5,866	4,511	4,484	1,875	3,093	4,510	2,907	5,062	1,808	4,041
1924	Critical	2,500	1,957	2,025	1,725	1,473	832	843	847	825	831	827	782
1925	Dry	870	825	822	820	6,205	2,147	4,783	4,490	3,872	5,063	3,168	1,681
1926	Dry	1,535	1,957	2,024	1,724	2,907	1,065	3,158	1,726	3,120	3,079	2,168	1,085
1927	Wet	1,534	1,592	1,610	3,567	13,419	4,633	7,644	4,714	5,387	4,760	1,807	5,051
1928	Above Normal	1,698	4,069	2,024	1,772	1,762	12,186	4,785	1,796	2,993	5,062	2,521	2,537
1929	Critical	1,535	1,676	1,775	1,509	1,295	1,316	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,107	1,132	1,167	1,123	1,128	2,638	1,790	1,796	2,872	4,473	2,282	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,290	1,063	1,074	1,077	1,112	1,357	1,229	1,901
1932	Dry	1,600	925	773	845	2,424	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,918	2,540	2,025	1,723	1,472	1,489	1,590	1,490	3,171	3,691	2,700	1,549
1934	Critical	1,723	1,718	1,035	872	809	826	2,078	2,566	3,728	860	2,184	1,622
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,909	1,956	2,025	5,123	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,515	2,778
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,668	4,266	4,869
1939	Dry	1,534	2,299	2,025	1,724	1,466	860	1,633	1,466	1,768	2,887	1,318	921
1940	Above Normal	1,355	1,352	1,345	3,086	10,582	10,509	6,190	3,157	1,962	5,062	2,262	5,051
1941	Wet	1,719	3,324	2,016	5,318	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,785	3,118	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,020	3,277	10,807	7,305	11,938	5,195	2,549	3,074	5,062	1,808	5,052
1944	Dry	2,732	2,760	2,025	1,725	1,450	1,441	1,481	1,492	2,322	3,709	2,944	1,974
1945	Below Normal	1,535	1,645	1,688	1,691	7,817	2,034	3,461	3,461	2,758	5,063	1,891	5,052
1946	Below Normal	1,891	2,762	8,731	5,147	2,574	3,053	3,589	3,637	2,039	5,062	2,687	3,928
1947	Dry	1,897	1,957	2,024	1,725	1,468	2,240	1,452	1,461	3,024	3,229	2,407	1,771
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,399	3,115	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,514	1,889
1950	Below Normal	1,535	1,957	2,025	2,632	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,567	3,900	2,020	6,815	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,034	2,025	1,722	3,014	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,500	1,776	1,786	1,794	1,806	2,725	3,065	1,726
1956	Wet	1,535	1,924	16,422	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,741	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,620	2,025	1,719	1,796	1,040	1,054	1,059	1,501	4,974	1,219	1,108
1960	Dry	1,536	1,605	1,677	1,429	1,240	3,364	1,949	1,778	1,807	1,866	2,844	1,847
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,164
1962	Below Normal	948	948	980	788	2,792	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,666	1,808	5,052
1964	Dry	1,913	3,674	2,280	2,356	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,887	2,204	2,017	1,762	1,762	1,176	1,362	1,194	1,220	4,658	1,611	1,216
1967	Wet	1,536	1,840	3,051	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,716
1968	Below Normal	1,536	3,583	2,090	1,717	6,808	2,047	1,505	1,513	1,544	4,711	1,545	1,540
1969	Wet	1,535	1,703	1,751	14,934	9,269	3,489	6,485	9,173	6,663	4,110	3,542	4,537
1970	Wet	1,535	2,297	5,558	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,189	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	3,226	4,305	3,115	4,663	1,807	3,486
1974	Wet	1,534	7,094	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,701	2,024	1,722	2,543	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,622	2,025	1,725	1,473	881	889	895	958	1,169	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,464	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,585	2,025	1,706	3,276	3,419	1,844	4,293	2,716	4,574	1,807	2,883
1980	Above Normal	1,534	2,436	2,268	17,695	13,166	3,708	2,961	2,964	3,261	2,993	5,057	4,148
1981	Dry	2,194	2,857	2,024	1,757	1,771	960	995	1,002	1,154	3,051	1,620	1,085
1982	Wet	1,534	5,331	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,234	4,115
1987	Dry	1,536	1,931	1,998	1,699	1,443	815	843	1,229	1,555	3,236	853	848
1988	Critical	833	909	841	794	1,340	910	816	840	1,279	1,188	858	851
1989	Dry	923	917	904	909	821	9,424	4,025	3,525	4,686	3,575	2,524	2,133
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,891	1,645	1,384
1991	Critical	1,454	1,411	1,442	1,231	1,041	1,020	1,062	1,070	1,804	3,550	4,402	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,630	1,902	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,816	2,684	4,072
1994	Critical	1,536	3,679	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,888	1,469	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,671	2,427	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,558	3,788	13,200	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,068	2,643	4,937
2000	Above Normal	1,769	3,224	2,025	2,507	11,529	4,098	2,474	2,209	2,028	5,062	1,926	2,637
2001	Dry	1,616	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,123	1,309	1,065
2002	Dry	1,170	829	1,316	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,608
2003	Above Normal	2,343	1,955	2,274	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Folsom Reservoir Release to American River (Node C8)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,831	2,824	5,653	4,511	4,524	1,875	3,060	4,512	2,910	5,062	2,092	3,756
1924	Critical	3,248	1,957	2,025	1,725	1,473	832	843	847	645	651	608	639
1925	Dry	870	825	822	820	6,191	2,147	4,783	4,489	3,534	5,063	3,197	1,588
1926	Dry	1,535	2,209	2,024	1,724	3,051	1,067	3,153	1,247	3,443	3,048	1,864	1,802
1927	Wet	1,534	1,530	1,525	3,496	13,418	4,633	7,644	4,714	5,387	13,418	1,827	5,051
1928	Above Normal	1,725	4,027	2,024	1,772	1,762	12,183	4,783	1,796	2,999	5,062	2,493	2,524
1929	Critical	1,535	1,680	1,772	1,509	1,318	1,295	1,301	1,496	1,805	1,812	1,807	1,584
1930	Dry	1,131	1,127	1,177	1,133	1,137	2,615	1,790	1,796	2,872	4,461	2,202	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,291	1,060	1,072	1,075	1,107	1,424	1,158	1,900
1932	Dry	1,599	923	773	845	2,535	2,217	1,790	3,466	5,007	3,455	3,353	4,554
1933	Critical	2,981	3,230	2,025	1,686	1,471	1,473	1,582	1,490	3,429	3,867	1,806	1,583
1934	Critical	1,230	1,729	783	846	809	826	2,082	2,571	3,734	860	2,197	788
1935	Below Normal	1,021	911	825	846	824	1,762	5,787	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,896	1,956	2,025	5,135	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,636	1,957	2,025	1,715	3,111	4,327	4,302	3,951	2,261	5,062	2,516	2,776
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,437	4,318	5,019
1939	Dry	1,534	2,501	2,025	1,724	1,466	864	1,646	1,500	1,746	2,849	1,207	923
1940	Above Normal	1,340	1,337	1,330	3,093	10,582	10,509	6,190	3,157	1,962	5,062	2,577	5,051
1941	Wet	1,726	3,170	2,016	5,151	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,777	3,126	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,017	3,281	10,807	7,305	11,938	5,195	2,549	3,074	5,053	1,808	5,052
1944	Dry	2,644	2,976	2,025	1,725	1,450	1,441	1,481	1,492	2,324	3,672	2,914	1,966
1945	Below Normal	1,535	1,634	1,673	1,677	7,821	2,034	3,463	2,760	2,212	5,063	2,393	4,403
1946	Below Normal	1,848	2,872	8,802	5,148	2,575	3,053	3,589	3,637	2,039	5,062	2,691	3,992
1947	Dry	1,822	1,957	2,024	1,725	1,468	2,250	1,452	1,461	3,012	3,232	2,409	1,778
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,402	3,113	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,476	1,888
1950	Below Normal	1,535	1,957	2,025	2,670	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,534
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,624	4,146	2,020	6,521	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,006	2,025	1,722	3,044	4,468	4,330	1,797	1,806	5,063	1,807	2,307
1955	Dry	1,536	1,957	2,015	1,685	2,501	1,776	1,786	1,794	1,806	2,726	3,062	1,821
1956	Wet	1,535	1,898	16,356	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,576	3,740	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,638	2,025	1,719	1,776	1,040	1,054	1,059	1,502	4,986	1,213	1,108
1960	Dry	1,536	1,603	1,674	1,427	1,238	3,366	1,950	1,778	1,807	1,867	2,844	1,848
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,162
1962	Below Normal	950	948	980	788	2,790	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,566	1,808	5,052
1964	Dry	1,908	3,678	2,277	2,359	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,872	2,171	2,017	1,762	1,762	1,175	1,412	1,193	1,220	4,685	1,601	1,216
1967	Wet	1,536	1,836	3,040	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,747
1968	Below Normal	1,536	4,009	2,024	1,717	6,409	2,047	1,505	1,513	1,544	4,755	1,544	1,540
1969	Wet	1,535	1,690	1,734	14,921	9,269	3,489	6,485	9,173	6,663	4,116	3,559	4,513
1970	Wet	1,535	2,285	5,570	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,843	3,220	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,190	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	2,326	4,305	3,115	4,663	1,807	3,734
1974	Wet	1,534	6,847	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,674	2,024	1,722	2,572	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,627	2,025	1,725	1,473	881	890	895	956	1,171	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,458	447
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,864	2,025	1,706	2,977	3,419	1,847	4,296	2,727	4,745	1,807	2,884
1980	Above Normal	1,534	2,265	2,270	17,696	13,168	3,708	2,961	2,964	3,261	4,255	5,045	3,583
1981	Dry	1,717	2,401	2,024	1,757	1,771	955	990	997	1,163	3,062	1,704	1,044
1982	Wet	1,534	5,506	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,300	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,139	4,192
1987	Dry	1,536	1,937	2,004	1,704	1,447	815	843	1,237	1,550	3,185	853	848
1988	Critical	833	909	841	794	1,399	912	816	840	1,279	1,184	858	851
1989	Dry	921	915	902	907	821	9,428	4,025	3,529	4,686	3,578	2,523	2,135
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,890	1,644	1,384
1991	Critical	1,452	1,410	1,440	1,229	1,043	1,019	1,060	1,068	1,804	3,551	4,444	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,620	1,891	5,024	398	435
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,815	2,684	4,072
1994	Critical	1,536	3,676	2,020	1,719	1,452	1,403	1,411	1,414	1,551	1,890	1,180	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,941	2,166	5,550	13,751	6,458	4,784	8,163	3,337	3,697	2,919	4,758
1997	Wet	2,520	3,786	13,241	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,969	2,643	4,937
2000	Above Normal	1,789	3,213	2,025	2,498	11,529	4,098	2,474	2,209	2,027	5,062	1,927	2,637
2001	Dry	1,615	2,421	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,104	1,315	1,065
2002	Dry	1,182	829	1,318	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,720
2003	Above Normal	2,260	1,955	2,250	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,119	16,634	25,948	25,447	17,370	11,333	20,994	15,796	12,691	20,085	15,348	14,149
1924	Critical	10,952	10,445	9,869	12,157	14,852	9,160	7,903	7,225	7,974	14,693	7,547	6,636
1925	Dry	7,262	7,575	12,380	12,052	49,385	16,631	23,176	13,706	12,502	19,398	13,269	13,395
1926	Dry	9,291	9,250	9,365	17,347	37,280	11,826	20,238	10,870	13,524	19,312	12,625	10,441
1927	Wet	7,945	21,302	18,523	31,633	73,779	41,778	42,649	24,401	18,451	22,024	16,348	29,746
1928	Above Normal	11,668	20,228	14,734	23,952	21,105	66,337	24,141	10,419	15,598	24,460	16,985	22,470
1929	Critical	11,331	13,477	11,628	12,618	16,071	12,112	8,435	8,917	10,286	9,514	9,665	6,784
1930	Dry	6,494	6,673	17,552	20,056	17,766	30,550	13,070	11,073	13,149	18,579	11,456	12,938
1931	Critical	8,190	8,313	8,222	13,389	11,476	8,436	9,593	7,514	7,701	12,698	7,564	6,650
1932	Dry	6,479	6,557	18,894	20,305	15,040	12,297	9,347	12,500	13,433	15,602	13,649	9,910
1933	Critical	8,057	7,924	9,490	14,084	12,304	13,985	9,501	8,540	10,550	10,400	9,785	8,180
1934	Critical	6,611	6,701	14,088	17,851	14,771	11,624	10,933	9,560	10,749	9,098	7,163	6,699
1935	Below Normal	6,484	11,077	9,903	26,605	13,222	25,791	40,882	18,841	15,094	19,834	14,841	14,987
1936	Below Normal	10,484	9,228	10,423	37,142	60,249	33,017	20,989	13,714	14,809	20,328	14,895	13,933
1937	Below Normal	10,819	9,673	13,893	13,300	33,771	35,918	20,818	13,896	16,271	19,039	13,117	9,775
1938	Wet	10,703	24,446	57,343	28,406	70,448	72,225	54,553	53,026	34,605	15,079	15,226	27,334
1939	Dry	12,536	13,232	13,791	10,713	12,179	9,609	9,064	9,998	9,651	19,787	14,697	15,105
1940	Above Normal	8,044	7,984	9,262	26,617	52,897	67,423	54,259	14,997	12,562	23,629	16,200	21,042
1941	Wet	10,989	13,586	34,251	62,267	65,241	60,969	49,696	38,615	16,023	17,457	15,190	30,471
1942	Wet	12,429	17,544	41,308	56,837	68,591	22,062	41,490	31,932	24,830	16,728	15,420	29,847
1943	Wet	12,742	19,386	18,276	59,674	47,791	57,277	25,373	15,479	12,439	23,112	15,782	29,616
1944	Dry	12,938	16,035	14,751	15,107	24,178	19,155	9,789	9,442	11,944	19,277	13,810	8,953
1945	Below Normal	7,959	14,527	15,976	13,141	43,597	20,961	12,312	12,687	11,925	19,744	15,819	14,210
1946	Below Normal	11,802	13,578	49,368	45,003	16,432	18,292	14,128	13,666	11,349	20,688	16,709	14,865
1947	Dry	11,855	11,379	15,154	11,571	17,513	19,660	12,724	9,628	13,147	20,150	15,133	14,731
1948	Below Normal	10,200	11,102	9,444	14,898	10,352	15,869	23,266	28,614	21,153	20,425	17,692	15,420
1949	Dry	10,948	10,274	13,339	11,364	11,828	40,246	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,892	9,509	10,015	20,039	34,080	19,962	14,593	13,889	21,057	16,339	14,887	15,877
1951	Above Normal	13,266	45,429	74,758	55,406	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,335
1952	Wet	12,005	17,509	36,467	58,575	59,093	52,707	53,626	58,987	36,121	18,325	16,353	26,355
1953	Wet	14,459	17,341	32,470	63,573	23,060	19,541	16,406	24,431	24,944	26,820	16,820	19,949
1954	Above Normal	11,992	19,182	14,845	24,346	45,036	43,628	38,790	12,296	14,223	24,719	17,093	22,851
1955	Dry	12,000	17,134	21,729	18,862	12,758	10,748	11,502	11,925	9,872	19,833	13,278	13,362
1956	Wet	8,304	11,036	49,606	75,069	59,456	34,215	18,077	39,217	20,637	17,385	15,396	29,692
1957	Above Normal	13,292	18,893	15,019	13,341	15,242	42,370	11,687	18,507	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,387	42,062	30,065	17,823	17,194	26,983
1959	Below Normal	14,999	18,084	15,271	21,633	41,662	15,896	10,338	10,616	13,509	23,554	17,298	14,083
1960	Dry	10,486	9,604	9,530	12,886	27,062	19,473	11,495	11,370	13,067	19,912	15,035	15,788
1961	Dry	8,602	12,706	19,169	12,644	33,442	18,478	10,191	10,464	11,180	20,708	12,888	10,975
1962	Below Normal	8,068	10,035	16,536	10,764	44,338	22,969	13,280	13,310	11,965	22,565	17,342	14,801
1963	Wet	34,384	16,242	27,945	16,909	61,938	25,006	64,449	26,359	14,140	24,311	16,509	28,674
1964	Dry	13,428	23,093	13,907	22,212	13,084	10,888	10,342	11,432	10,903	19,846	14,302	15,468
1965	Wet	8,927	15,562	44,229	70,874	32,673	19,743	40,271	17,537	15,172	22,261	15,881	29,819
1966	Below Normal	12,859	20,988	13,188	24,741	22,377	20,824	13,029	11,569	12,551	22,908	17,025	15,542
1967	Wet	10,350	15,097	36,472	36,587	46,618	45,914	34,380	43,172	38,246	14,633	15,713	28,484
1968	Below Normal	14,165	15,634	15,482	23,563	50,215	31,980	10,787	11,587	12,535	23,630	16,348	14,133
1969	Wet	11,556	12,017	22,849	64,355	69,086	42,925	39,682	45,518	22,432	13,631	13,745	27,734
1970	Wet	12,054	12,989	44,286	76,866	62,399	33,434	10,847	12,694	12,735	24,896	16,547	26,485
1971	Wet	13,805	19,596	47,245	46,379	22,418	39,151	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,107	15,292	15,877	17,107	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,047	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,278	15,375	18,445
1974	Wet	13,611	48,137	59,345	72,443	39,328	67,942	56,272	20,677	19,499	19,851	17,257	27,985
1975	Wet	14,685	19,011	15,116	14,187	49,321	58,498	20,190	28,779	24,124	19,537	15,314	29,391
1976	Critical	15,878	19,004	15,548	11,041	12,650	13,513	10,160	6,663	8,255	16,967	9,516	11,534
1977	Critical	10,906	8,010	8,201	9,722	10,768	8,117	8,658	5,448	8,239	8,882	9,904	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,877	54,972	33,814	18,604	15,959	20,042	16,287	21,504
1979	Below Normal	12,554	14,450	15,005	21,149	28,771	24,730	13,656	14,460	12,784	20,592	16,040	12,234
1980	Above Normal	10,682	15,797	19,733	68,349	67,316	43,189	16,867	14,116	12,751	16,017	15,070	13,166
1981	Dry	12,223	14,441	15,564	20,831	26,450	25,299	13,219	9,758	13,567	19,893	15,326	15,880
1982	Wet	9,923	33,633	67,946	59,224	66,794	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,286	76,341	47,363	33,779	34,019	13,369	12,142	12,200	23,632	15,875	28,006
1985	Dry	11,243	24,682	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,508	76,675	70,753	18,197	12,973	13,207	20,919	14,103	23,663
1987	Dry	12,002	11,989	15,111	13,732	19,283	22,742	9,359	10,802	13,471	17,792	9,350	8,689
1988	Critical	7,833	7,735	17,578	25,017	13,273	7,427	11,357	9,096	10,763	16,159	9,705	6,702
1989	Dry	6,623	9,572	9,952	12,282	8,837	45,550	21,142	13,700	13,635	20,815	15,033	15,879
1990	Critical	9,876	9,184	11,125	18,387	13,395	12,270	11,389	7,988	8,003	17,815	10,502	6,894
1991	Critical	6,595	6,686	7,181	9,618	8,977	28,664	11,738	7,176	9,636	17,363	9,725	6,843
1992	Critical	6,547	6,571	6,598	10,394	27,982	18,328	11,166	9,475	13,709	14,480	10,418	7,621
1993	Above Normal	7,688	6,672	12,616	46,928	48,092	38,920	37,440	26,003	26,194	19,731	16,502	22,740
1994	Critical	13,143	14,088	15,776	12,795	21,603	11,824	12,878	10,289	8,280	19,268	13,712	10,782
1995	Wet	7,610	8,336	15,277	63,130	49,951	77,297	50,308	58,378	38,017	17,119	18,024	23,059
1996	Wet	15,724	14,072	22,238	42,595	72,189	57,284	32,959	40,904	15,310	21,547	15,584	31,355
1997	Wet	11,692	17,501	50,733	77,914	51,973	22,127	16,219	12,074	12,716	24,528	16,386	28,994
1998	Wet	12,399	17,728	20,020	26,829	68,230	60,524	45,021	42,782	61,518	23,530	20,460	26,639
1999	Wet	16,285	26,797	34,936	38,330	61,292	54,457	22,714	18,635	16,896	21,508	15,902	26,763
2000	Above Normal	11,052	18,111	14,507	21,734	62,490	48,327	17,808	16,081	12,262	22,767	16,790	22,183
2001	Dry	9,224	14,023	14,419	16,674	23,517	22,304	11,493	9,348	13,401	19,337	9,680	9,601
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Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Alternative 1 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,557	30,020	27,513	22,710	49,265	35,401	18,463	15,447	23,851
1923	Below Normal	12,350	17,506	25,696	25,470	17,391	11,358	20,961	15,300	12,195	20,077	15,226	14,149
1924	Critical	12,455	9,948	11,545	12,154	14,786	9,172	7,910	7,229	7,984	10,167	7,581	6,641
1925	Dry	7,267	7,589	12,387	12,056	49,374	16,630	23,172	13,702	12,502	19,343	13,127	13,280
1926	Dry	8,802	9,023	9,363	17,349	37,425	11,825	20,227	10,872	13,530	19,703	12,752	10,388
1927	Wet	7,956	21,218	19,913	31,568	73,972	41,761	42,663	24,410	18,456	22,024	16,430	29,724
1928	Above Normal	11,692	20,186	14,734	23,954	21,107	66,340	24,132	10,419	15,605	24,430	16,996	22,499
1929	Critical	11,328	13,501	11,627	12,621	16,073	12,037	8,435	8,919	10,294	9,518	10,054	6,787
1930	Dry	6,497	6,675	17,565	20,068	17,777	30,528	13,070	11,073	13,150	18,591	11,457	12,936
1931	Critical	8,292	8,396	8,266	13,391	11,477	8,435	9,593	7,514	7,678	12,455	7,547	6,650
1932	Dry	6,479	6,557	18,898	20,308	15,153	12,298	9,347	12,500	13,434	15,600	15,492	10,984
1933	Critical	8,062	7,927	9,493	14,086	12,306	13,986	9,501	8,291	10,552	9,902	9,772	7,937
1934	Critical	6,602	6,696	13,888	17,800	14,779	11,616	10,933	9,561	10,754	9,072	7,177	6,701
1935	Below Normal	6,485	11,106	9,897	26,604	13,222	25,791	40,884	18,841	15,096	19,831	14,840	14,985
1936	Below Normal	10,765	9,503	10,422	37,155	59,540	33,024	20,988	13,714	14,809	20,377	14,895	14,273
1937	Below Normal	10,985	9,672	13,875	13,301	33,661	35,919	20,818	13,896	16,916	19,034	12,960	9,776
1938	Wet	10,703	24,445	57,445	28,403	70,315	72,226	54,553	53,026	34,605	15,079	15,226	28,270
1939	Dry	12,486	14,291	13,275	10,747	12,179	9,629	9,077	9,997	9,652	19,789	14,352	14,931
1940	Above Normal	8,043	7,984	9,207	26,631	52,666	67,414	54,258	14,996	12,561	23,623	16,515	21,483
1941	Wet	11,000	13,470	33,811	62,114	65,241	60,969	49,696	38,615	16,023	17,458	15,190	30,471
1942	Wet	12,395	17,578	41,308	56,837	68,591	22,063	41,492	31,935	24,833	16,728	15,419	30,324
1943	Wet	12,739	19,369	18,281	59,438	47,796	57,279	25,375	15,485	12,442	23,060	15,781	29,731
1944	Dry	12,848	16,658	14,738	15,120	24,186	19,162	9,790	9,443	11,945	19,186	13,821	8,944
1945	Below Normal	7,958	14,514	15,960	13,127	43,599	20,960	11,814	12,189	11,430	19,745	15,820	14,210
1946	Below Normal	11,334	13,990	49,992	44,990	16,596	17,610	14,131	13,666	11,527	20,689	16,710	14,865
1947	Dry	11,780	11,380	15,154	11,571	17,513	19,669	12,723	9,629	13,148	20,150	15,109	14,695
1948	Below Normal	10,214	11,101	9,443	14,898	10,350	15,868	23,266	28,609	21,153	20,433	17,692	15,416
1949	Dry	10,947	10,278	13,337	11,363	11,828	40,251	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,843	9,509	10,015	20,077	34,080	19,962	14,593	13,890	21,052	16,339	14,887	
1951	Above Normal	13,264	45,429	74,765	55,405	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,334
1952	Wet	12,005	17,509	36,466	58,574	59,093	52,707	53,627	58,991	36,130	18,336	16,353	26,738
1953	Wet	14,524	18,773	31,169	63,288	23,066	19,543	16,407	24,431	24,943	22,448	16,818	29,946
1954	Above Normal	11,993	19,039	14,846	24,453	45,065	43,629	38,790	12,296	14,224	24,719	17,093	22,852
1955	Dry	12,018	17,161	21,727	18,861	12,759	10,747	11,502	11,925	9,872	19,832	13,264	13,092
1956	Wet	8,304	11,006	49,529	75,090	59,455	34,214	18,076	39,217	20,637	17,385	15,396	29,721
1957	Above Normal	13,292	18,891	15,019	13,341	15,241	42,345	11,687	18,507	11,701	24,534	17,172	22,452
1958	Wet	15,701	16,669	22,782	36,742	69,347	68,124	67,388	42,063	30,065	17,284	17,194	26,985
1959	Below Normal	14,998	18,176	15,269	21,561	41,640	15,895	10,338	10,615	13,509	23,566	17,296	14,056
1960	Dry	10,462	9,542	9,505	12,884	27,060	19,474	11,495	11,370	13,066	19,912	15,079	15,791
1961	Dry	8,683	12,706	19,163	12,644	33,441	10,191	10,464	11,180	20,709	12,887	10,974	
1962	Below Normal	8,067	10,037	16,538	10,764	44,337	22,969	13,280	13,310	11,964	22,566	17,342	14,802
1963	Wet	34,384	16,242	27,945	16,908	61,935	25,006	64,449	26,359	14,140	24,312	16,509	28,641
1964	Dry	13,442	23,093	13,888	22,216	13,084	10,888	10,342	11,432	10,904	19,846	14,311	15,469
1965	Wet	8,938	15,562	44,229	70,874	32,673	19,744	40,277	17,537	15,172	22,265	15,883	29,822
1966	Below Normal	12,861	20,810	13,193	24,739	22,375	21,013	13,063	11,569	12,551	22,927	17,026	15,453
1967	Wet	10,353	15,094	36,499	36,587	46,618	45,914	34,380	43,172	38,247	14,634	15,713	28,674
1968	Below Normal	14,044	17,891	15,482	23,394	48,801	32,017	10,787	11,587	12,500	23,974	16,350	14,134
1969	Wet	11,240	12,004	22,830	64,426	69,085	42,924	39,682	45,518	22,432	13,840	13,745	27,595
1970	Wet	12,192	12,989	44,198	76,866	62,399	33,433	10,847	12,694	12,745	24,894	16,547	26,497
1971	Wet	13,794	19,604	47,239	46,378	22,418	39,138	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,106	15,291	15,876	17,106	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,046	19,896	25,895	57,646	64,317	46,818	15,319	16,757	15,618	22,277	15,375	19,561
1974	Wet	12,917	47,863	59,346	72,442	39,326	67,942	56,272	20,678	19,501	19,850	17,256	28,528
1975	Wet	14,678	18,872	15,118	14,185	48,983	58,526	20,188	28,778	24,123	19,537	15,312	29,392
1976	Critical	15,911	19,033	15,548	11,041	12,650	13,514	10,160	6,663	8,255	17,011	9,469	11,537
1977	Critical	10,859	8,006	8,191	9,728	10,761	8,117	8,658	5,450	8,239	8,882	9,913	6,430
1978	Above Normal	6,340	6,528	15,052	48,784	43,879	54,799	33,815	18,604	15,964	20,053	16,296	21,514
1979	Below Normal	12,551	15,845	15,034	21,175	28,489	24,741	13,682	14,463	12,782	20,591	16,039	13,576
1980	Above Normal	11,691	15,267	19,755	67,665	67,318	43,186	16,863	14,113	12,749	16,010	14,256	16,871
1981	Dry	11,719	12,545	15,564	20,525	25,369	25,292	13,213	9,753	13,569	19,897	15,273	15,733
1982	Wet	10,083	34,162	67,906	59,222	66,795	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,285	76,341	47,363	33,778	34,019	13,368	12,142	12,200	23,632	15,875	28,008
1985	Dry	11,243	24,681	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,152	22,508	76,675	70,754	18,197	12,973	13,207	20,919	15,261	22,539
1987	Dry	12,008	12,405	15,103	13,747	19,292	22,744	9,360	10,801	13,469	17,576	9,305	8,684
1988	Critical	7,832	7,734	17,578	25,017	13,273	7,429	11,357	9,096	10,763	16,123	9,700	6,702
1989	Dry	6,623	9,569	9,950	12,280	8,836	45,554	21,142	13,700	13,635	20,815	14,932	15,875
1990	Critical	9,897	9,181	11,160	18,386	13,394	12,269	11,389	7,988	8,003	17,815	10,503	6,894
1991	Critical	6,595	6,686	7,178	9,621	8,975	28,662	11,736	7,175	9,636	17,321	9,744	6,839
1992	Critical	6,547	6,571	6,592	10,391	27,980	18,326	11,166	9,475	13,709	14,472	10,417	7,616
1993	Above Normal	7,687	6,672	12,610	46,926	48,089	38,961	37,440	26,003	26,196	19,732	16,502	22,741
1994	Critical	13,143	14,065	15,776	12,792	21,601	11,823	12,878	10,289	8,280	19,268	13,715	10,782
1995	Wet	7,610	8,337	15,276	63,128	49,950	77,297	50,307	58,377	38,016	17,073	18,026	23,060
1996	Wet	15,720	15,496	21,758	42,516	72,089	57,290	32,957	40,904	15,311	21,546	15,583	31,354
1997	Wet	11,535	17,480	50,817	77,914	51,972	22,126	16,219	12,074	12,558	24,528	16,386	29,076
1998	Wet	12,395	17,729	20,020	26,827	68,241	60,524	45,021	42,785	61,522	23,535	20,465	26,644
1999	Wet	16,292	26,806	34,938	38,329	61,291	54,456	22,713	18,634	16,895	21,508	15,902	26,613
2000	Above Normal	11,147	18,057	14,519	21,671	62,511	48,327	17,807	16,081	12,262	22,766	16,792	22,185
2001	Dry	9,217	14,020	14,246	16,671	23,517	22,303	11,493	9,349	13,401	19,527	9,	

Change in Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Alternative 1 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	3	-9	-5	-3	-7	-13	12	13	10
1923	Below Normal	231	872	-252	22	21	25	-33	-496	-496	-8	-122	0
1924	Critical	1,503	-496	1,676	-3	-67	12	7	4	10	-4,526	34	4
1925	Dry	5	14	7	4	-11	-1	-4	-4	-1	-55	-142	-114
1926	Dry	-489	-227	-2	2	145	-1	-11	2	6	391	127	-53
1927	Wet	10	-83	1,390	-66	193	-17	13	9	4	-1	81	-23
1928	Above Normal	24	-41	0	2	2	3	-10	0	7	-30	11	29
1929	Critical	-4	24	-1	3	2	-75	1	2	8	3	389	3
1930	Dry	3	1	13	12	10	-22	0	0	1	11	0	-2
1931	Critical	103	83	43	2	1	-1	0	0	-23	-242	-16	0
1932	Dry	0	0	3	3	113	1	0	0	0	-2	1,843	1,074
1933	Critical	4	3	3	2	2	1	0	-250	2	-498	-13	-243
1934	Critical	-9	-6	-200	-50	7	-8	0	1	5	-26	15	2
1935	Below Normal	2	29	-6	0	0	1	2	1	2	-3	-1	-2
1936	Below Normal	281	275	0	13	-708	7	0	0	0	49	1	339
1937	Below Normal	166	-1	-18	1	-110	1	0	0	646	-5	-156	0
1938	Wet	0	0	102	-3	-133	1	0	0	0	0	0	936
1939	Dry	-50	1,060	-516	34	0	20	12	-1	1	2	-344	-174
1940	Above Normal	-1	0	-55	14	-231	-9	-1	0	-1	-6	315	441
1941	Wet	11	-116	-440	-152	0	0	0	0	0	1	1	0
1942	Wet	-35	34	0	0	0	1	3	3	3	-1	-1	477
1943	Wet	-3	-16	5	-236	4	1	2	6	3	-52	-1	114
1944	Dry	-90	622	-13	13	7	7	1	0	1	-91	10	-9
1945	Below Normal	-1	-13	-16	-14	2	0	-498	-498	-495	1	1	0
1946	Below Normal	-468	412	624	-13	164	-681	3	-1	177	1	1	0
1947	Dry	-75	1	0	0	0	10	0	1	0	1	-23	-36
1948	Below Normal	14	-1	-1	0	-3	0	0	-5	0	8	0	-4
1949	Dry	0	4	-2	-1	-1	5	0	0	0	0	-1	0
1950	Below Normal	-49	0	0	38	-1	0	0	0	0	-5	1	0
1951	Above Normal	-3	0	6	-1	0	0	0	0	1	0	0	0
1952	Wet	0	0	-1	0	0	0	1	4	9	12	0	383
1953	Wet	65	1,432	-1,301	-285	6	3	1	0	-1	-1	-2	-3
1954	Above Normal	0	-144	1	108	29	1	0	0	0	0	1	1
1955	Dry	18	26	-2	0	1	0	0	0	-1	-1	-14	-271
1956	Wet	0	-29	-77	21	-1	-1	-1	-1	0	0	0	29
1957	Above Normal	0	-1	0	0	0	-25	0	-1	0	0	0	-1
1958	Wet	0	0	0	0	0	0	1	0	0	2	0	2
1959	Below Normal	0	92	-2	-72	-21	-1	0	0	0	12	-2	-27
1960	Dry	-24	-62	-24	-2	-2	1	0	0	0	-1	44	3
1961	Dry	81	0	-6	0	0	0	0	0	0	0	-1	-1
1962	Below Normal	0	2	1	0	-1	0	0	0	0	0	0	1
1963	Wet	1	0	0	-1	-3	0	0	0	0	1	0	-34
1964	Dry	14	0	-19	4	0	0	0	0	0	0	9	1
1965	Wet	11	0	0	0	0	1	5	0	0	4	2	3
1966	Below Normal	2	-178	5	-2	-1	189	34	0	0	14	0	-89
1967	Wet	3	-3	27	0	0	0	0	0	0	0	0	190
1968	Below Normal	-121	2,257	0	-168	-1,414	37	0	0	-36	44	5	1
1969	Wet	-316	-13	-19	71	0	0	0	0	0	209	0	-139
1970	Wet	139	0	-88	0	0	0	0	0	10	-3	0	12
1971	Wet	-11	7	-5	-1	-1	-13	0	-1	0	0	0	0
1972	Below Normal	-1	-1	-1	0	0	0	0	0	0	0	0	0
1973	Above Normal	-2	0	-1	0	0	0	0	0	0	-1	0	1,117
1974	Wet	-694	-273	1	0	-2	0	0	1	2	-1	0	543
1975	Wet	-7	-138	2	-2	-338	28	-2	-1	-1	0	-2	0
1976	Critical	32	0	0	0	0	0	0	0	0	44	-47	2
1977	Critical	-47	-4	-10	5	-7	0	0	2	0	0	8	0
1978	Above Normal	0	0	1	0	2	7	1	0	4	11	9	11
1979	Below Normal	-3	1,394	29	26	-281	11	26	3	-1	-1	-1	1,341
1980	Above Normal	1,009	-531	22	-685	2	-3	-3	-3	-2	-7	-814	3,705
1981	Dry	-504	-1,896	0	-306	-1,081	-7	-5	-5	2	4	-53	-146
1982	Wet	160	529	-40	-2	1	0	0	0	0	0	1	0
1983	Wet	0	0	0	0	0	0	0	-1	-1	0	0	0
1984	Wet	0	0	0	-1	0	0	0	0	0	0	0	1
1985	Dry	0	-1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	1,158	-1,124
1987	Dry	6	416	-8	15	9	2	1	-1	-3	-216	-45	-5
1988	Critical	-1	0	0	0	0	2	0	0	0	-36	-5	0
1989	Dry	0	-3	-3	-2	0	3	0	0	0	0	-101	-4
1990	Critical	21	-3	35	-1	-1	-1	0	0	0	0	2	0
1991	Critical	0	0	-3	3	-2	-2	-2	-1	0	-42	18	-4
1992	Critical	0	0	-5	-3	-2	-2	0	0	0	-7	-1	-5
1993	Above Normal	-1	0	-6	-2	-2	41	-1	0	2	0	0	0
1994	Critical	-1	-23	0	-2	-2	-1	0	0	0	0	3	0
1995	Wet	0	1	-1	-2	0	0	-1	0	-1	-45	2	1
1996	Wet	-4	1,425	-480	-80	-100	6	-2	0	1	0	-1	-1
1997	Wet	-157	-20	84	0	-1	-1	0	0	-158	0	0	82
1998	Wet	-4	1	0	-2	10	0	0	3	3	4	5	5
1999	Wet	7	9	2	-1	-1	-1	-1	-1	-1	0	0	-149
2000	Above Normal	95	-54	12	-63	21	-1	-1	-1	0	-1	2	2
2001	Dry	-8	-3	-173	-3	0	-1	0	0	1	190	-46	3
2002	Dry	0	-1	0	6	-1	-1	0	0	0	0	-104	197
2003	Above Normal	0	-7	-72	1	-1	-1	-1	-1	0	0	0	5

X2 Position (Node X2_PRV)

Existing Condition (km)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	90	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	89
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	58	53	60	63	73	81	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	84	82	79	78	79	83	86	88	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	65	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	65	68	76	82	86	89
1946	Below Normal	90	90	56	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	49	57	70	83	74
1953	Wet	74	76	63	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	91	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	70	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	52	56	68	83	74
1968	Below Normal	74	76	81	71	52	58	67	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	51	58	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	68	77	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	91	83	78	50	47	49	61	65	70	78	84	81
1981	Dry	81	81	83	74	64	62	68	74	81	85	88	89
1982	Wet	90	71	49	48	48	48	47	52	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	64	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	54	62	73	74
1996	Wet	74	75	70	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	61	65	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	60	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

X2 Position (Node X2_PRV)

Alternative 1 (km)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	89	90	90	87	79	76	79	85	89	90	91	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	90
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	77	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	90	91	90	83	59	53	60	64	73	80	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	85	82	79	78	79	83	86	89	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	66	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	66	69	77	82	86	89
1946	Below Normal	90	90	55	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	50	57	70	83	74
1953	Wet	74	76	64	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	92	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	69	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	53	57	69	84	74
1968	Below Normal	74	76	81	71	52	58	68	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	52	59	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	69	78	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	90	84	79	50	47	50	61	65	70	78	84	81
1981	Dry	81	81	83	74	65	62	68	74	81	85	88	89
1982	Wet	90	70	49	48	48	48	47	53	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	65	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	55	62	74	74
1996	Wet	74	75	71	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	62	66	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	61	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

CalSim II Modeling Attachment: Alternative Plan 2, Existing Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

August 2014

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 2 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	255	260	350	466	121	100	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1930	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	100	114
1931	Critical	1,015	200	215	215	255	255	255	260	350	407	121	100	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	350	466	121	100	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	350
1960	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	100	114
1961	Critical	1,015	200	215	215	255	255	255	260	350	466	121	100	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	350	466	121	100	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	350	160	136	121	100	100	110
1976	Critical	1,015	200	215	215	255	255	255	260	160	82	121	100	100	104
1977	Critical	130	150	190	190	230	230	210	210	350	357	121	100	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	350	466	121	100	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	466	121	100	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	350	466	121	100	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	350	466	121	100	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a	n/a

Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 2 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-31	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	0%
1978	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,057	1,618	1,489	679	350	350	350	350	466	121	246	431
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	379
1927	Above Normal	1,015	1,618	352	494	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	485	350	350	350	350	466	121	100	1,190
1936	Above Normal	1,123	1,680	1,429	350	350	350	350	350	466	121	100	1,780
1937	Wet	2,556	2,817	3,437	1,420	350	350	350	350	466	198	482	2,460
1938	Wet	5,363	6,640	7,684	5,072	1,224	350	350	350	466	121	144	362
1939	Dry	1,015	358	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	973	350	350	350	350	350	466	121	100	2,361
1941	Wet	1,083	1,618	2,704	2,089	350	350	350	350	466	121	803	520
1942	Wet	1,015	1,618	350	402	350	350	350	350	466	121	2,192	651
1943	Wet	2,799	2,042	1,266	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	2,512
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	219	419	372
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	108	391
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	3,226	1,220	719
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	463
1952	Wet	2,207	3,064	4,691	3,444	350	350	350	350	466	121	201	378
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	2,210	4,253	724
1956	Wet	1,045	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	2,292	2,807	4,261	2,462	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	503
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	681	876
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	234	378
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	154	508
1967	Wet	1,095	3,064	4,095	3,379	3,869	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	2,199	3,546
1969	Wet	5,334	7,014	7,385	8,220	1,758	350	350	350	466	121	249	373
1970	Above Normal	1,032	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	1,424	445	350	350	350	350	466	121	1,294	422
1974	Wet	1,015	1,814	470	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	356	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	2,083
1978	Wet	2,404	4,393	4,479	4,962	1,727	350	350	350	466	121	245	396
1979	Above Normal	1,214	1,618	1,153	350	350	350	350	350	466	121	2,757	3,692
1980	Wet	2,168	1,618	1,658	2,265	1,092	350	350	350	466	121	118	365
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	1,139
1982	Wet	1,196	5,512	4,741	3,119	350	350	350	1,309	1,641	3,430	3,652	3,689
1983	Wet	5,582	7,467	7,667	9,052	5,367	350	350	350	889	3,112	886	373
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	4,798
1986	Wet	4,367	1,819	3,244	2,452	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	427
1993	Wet	1,047	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	181	720
1995	Wet	3,743	3,476	4,724	5,024	6,422	350	350	350	466	121	100	464
1996	Wet	2,549	1,668	1,012	496	350	350	350	350	466	2,241	10,309	2,294
1997	Wet	1,050	1,618	2,337	1,658	350	350	350	350	466	121	100	2,732
1998	Wet	2,344	2,839	3,986	4,979	5,121	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)

Alternative 2 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,059	1,664	417	586	612	534	551	656	852	384	119	412		
1923	Above Normal	1,059	1,664	417	586	612	534	551	467	522	378	306	158		
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1925	Below Normal	1,031	1,000	374	434	443	415	421	459	603	226	173	380		
1926	Dry	1,021	990	359	383	387	376	378	393	521	162	129	369		
1927	Above Normal	1,059	1,664	417	586	612	534	551	656	852	379	306	398		
1928	Below Normal	1,045	1,015	395	509	526	474	486	556	726	319	238	396		
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114		
1931	Critical	1,015	200	215	215	255	255	260	350	407	121	100	350		
1932	Above Normal	1,059	1,664	417	586	612	534	551	656	852	327	306	412		
1933	Dry	1,026	995	366	408	414	395	399	425	561	193	150	375		
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1935	Above Normal	1,059	1,664	417	586	612	534	551	656	852	376	306	398		
1936	Above Normal	1,059	1,664	417	586	612	534	551	656	852	378	100	362		
1937	Wet	1,059	1,618	383	586	612	534	551	656	852	121	100	738		
1938	Wet	2,458	4,622	4,844	3,525	1,158	489	494	489	610	260	239	362		
1939	Dry	1,015	396	417	586	612	534	551	656	852	376	306	398		
1940	Above Normal	1,059	1,664	417	586	612	534	551	656	852	216	100	377		
1941	Wet	1,059	1,664	1,724	1,894	612	534	551	656	852	220	100	412		
1942	Wet	1,059	1,664	417	586	612	534	551	656	852	384	100	412		
1943	Wet	1,059	1,664	417	586	612	534	551	656	852	384	306	398		
1944	Below Normal	1,049	1,019	402	532	552	492	506	587	765	349	259	401		
1945	Above Normal	1,059	1,664	417	586	612	534	551	656	852	380	306	412		
1946	Above Normal	1,059	1,664	417	586	612	534	551	656	852	380	306	412		
1947	Dry	1,039	1,008	386	477	491	449	458	515	674	280	210	376		
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362		
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362		
1950	Below Normal	1,038	1,008	385	474	488	447	456	511	669	121	100	388		
1951	Above Normal	1,059	1,664	417	586	612	534	551	656	852	381	306	377		
1952	Wet	1,059	1,618	1,658	1,658	489	489	494	489	610	260	239	362		
1953	Below Normal	1,015	1,030	417	586	612	534	551	656	852	378	306	412		
1954	Below Normal	1,031	1,000	374	435	445	417	423	461	606	228	174	380		
1955	Dry	1,020	989	358	377	380	371	373	385	511	155	123	350		
1956	Wet	1,015	1,664	1,724	1,894	612	534	551	656	852	383	306	412		
1957	Below Normal	1,059	1,030	417	586	612	534	551	656	852	375	306	412		
1958	Wet	1,059	1,664	1,658	1,801	489	489	494	489	610	260	239	362		
1959	Dry	1,015	1,016	397	515	533	478	491	564	736	327	243	383		
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114		
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1962	Below Normal	1,059	1,664	417	586	612	534	551	656	852	378	306	412		
1963	Above Normal	1,059	1,664	417	586	612	534	551	656	852	379	306	398		
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362		
1965	Wet	1,059	1,664	417	586	612	534	551	656	852	383	306	412		
1966	Below Normal	1,055	1,025	410	563	586	516	532	627	815	379	286	407		
1967	Wet	1,059	1,618	1,658	1,658	489	489	494	489	520	260	239	350		
1968	Dry	1,015	396	417	586	612	534	551	656	852	377	100	1,843		
1969	Wet	2,286	4,737	4,434	5,856	1,683	489	494	489	610	260	100	362		
1970	Above Normal	1,015	1,030	417	586	612	534	551	656	852	381	306	412		
1971	Below Normal	1,051	1,021	404	541	562	499	513	598	779	360	267	389		
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362		
1973	Above Normal	1,059	1,664	417	586	612	534	551	656	852	380	306	412		
1974	Wet	1,059	1,664	350	586	612	534	551	656	852	384	306	412		
1975	Wet	1,059	1,664	417	586	612	534	551	467	522	381	306	158		
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104		
1977	Critical	130	150	190	190	230	230	210	350	357	121	100	362		
1978	Wet	1,015	1,618	1,658	1,894	612	534	551	656	852	385	306	412		
1979	Above Normal	1,059	1,664	417	586	612	534	551	656	852	380	100	350		
1980	Wet	1,015	1,618	1,724	1,894	816	534	551	656	852	385	306	412		
1981	Dry	1,059	1,030	417	586	612	534	551	656	852	377	306	412		
1982	Wet	1,059	1,618	1,658	1,801	489	489	494	489	483	3,029	3,497	3,530		
1983	Wet	5,449	7,290	7,488	8,475	5,281	489	494	350	853	3,087	861	350		
1984	Above Normal	1,015	1,664	417	586	612	534	551	656	852	381	306	412		
1985	Dry	1,053	1,023	407	551	573	507	522	612	796	373	276	405		
1986	Wet	1,015	1,618	1,658	1,894	612	534	551	656	852	365	306	412		
1987	Critical	1,031	367	374	437	446	418	424	463	608	229	175	367		
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362		
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350		
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1993	Wet	1,059	1,664	1,724	1,894	612	534	551	656	852	380	306	412		
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1995	Wet	1,059	1,618	2,473	1,894	5,948	534	551	656	852	302	306	398		
1996	Wet	1,059	1,894	417	586	612	534	551	656	852	299	5,092	1,124		
1997	Wet	1,059	1,664	1,917	1,894	612	534	551	656	852	383	306	412		
1998	Wet	1,059	1,618	1,658	1,658	3,558	489	494	489	610	217	239	362		
1999	Above Normal	1,015	1,664	417	586	612	534	551	656	852	379	306	398		
2000	Above Normal	1,059	1,664	417	586	612	534	551	656	852	379	306	412		
2001	Dry	1,021	990	359	383	387	376	378	393	520	162	128	369		
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362		
2003	Below Normal	1,042	1,645	390	492	507	460	471	n/a	n/a	n/a	n/a	n/a		

Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 2 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	3	46	-1,073	-93	262	184	201	306	386	263	-127	-19
1923	Above Normal	45	46	67	236	262	184	201	306	386	258	206	48
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	16	16	24	84	93	65	72	109	137	105	73	18
1926	Dry	6	6	9	33	37	26	28	43	54	42	29	-10
1927	Above Normal	45	46	65	92	262	184	201	306	386	258	206	48
1928	Below Normal	30	31	45	159	176	124	136	206	260	199	139	33
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	45	46	67	236	262	184	201	306	386	206	206	49
1933	Dry	11	11	16	58	64	45	49	75	95	72	51	12
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	45	46	67	101	262	184	201	306	386	255	206	-792
1936	Above Normal	-64	-16	-1,012	236	262	184	201	306	386	258	0	-1,418
1937	Wet	-1,497	-1,200	-3,055	-834	262	184	201	306	386	-77	-382	-1,722
1938	Wet	-2,904	-2,018	-2,840	-1,547	-66	139	144	139	144	139	94	0
1939	Dry	0	38	67	236	262	184	201	306	386	256	206	48
1940	Above Normal	45	46	-556	236	262	184	201	306	386	95	0	-1,984
1941	Wet	-23	46	-980	-196	262	184	201	306	386	100	-703	-109
1942	Wet	45	46	67	184	262	184	201	306	386	263	-2,093	-239
1943	Wet	-1,739	-378	-850	236	262	184	201	306	386	263	206	48
1944	Below Normal	34	36	52	183	202	142	156	237	298	228	159	-2,111
1945	Above Normal	45	46	67	236	262	184	201	306	386	161	-114	40
1946	Above Normal	45	46	67	236	262	184	201	306	386	260	197	21
1947	Dry	24	25	36	127	141	99	108	165	208	159	111	26
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	23	24	35	124	138	97	106	161	203	-3,105	-1,121	-331
1951	Above Normal	45	46	67	236	262	184	201	306	386	260	206	-86
1952	Wet	-1,148	-1,446	-3,033	-1,786	139	139	144	139	144	139	38	-15
1953	Below Normal	0	46	67	236	262	184	201	306	386	257	206	49
1954	Below Normal	16	17	24	86	95	67	73	111	140	107	75	18
1955	Dry	5	5	8	27	30	21	23	36	45	-2,055	-4,130	-374
1956	Wet	-31	46	67	236	262	184	201	306	386	263	206	49
1957	Below Normal	45	46	67	236	262	184	201	306	386	255	206	49
1958	Wet	-1,232	-1,143	-2,604	-661	139	139	144	139	144	139	139	0
1959	Dry	0	32	47	165	183	128	141	214	269	206	144	33
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	45	46	67	236	262	184	201	306	386	258	206	-92
1963	Above Normal	45	46	67	236	262	184	201	306	386	258	206	48
1964	Dry	0	0	0	0	0	0	0	0	0	0	-582	-513
1965	Wet	45	46	67	236	262	184	201	306	386	262	71	34
1966	Below Normal	40	42	60	213	237	166	182	277	348	258	131	-101
1967	Wet	-36	-1,447	-2,437	-1,722	-3,380	139	144	139	54	139	139	0
1968	Dry	0	46	67	236	262	184	201	306	386	256	-2,099	-1,703
1969	Wet	-3,048	-2,277	-2,951	-2,364	-75	139	144	139	144	139	-150	-11
1970	Above Normal	-17	46	67	236	262	184	201	306	386	260	206	49
1971	Below Normal	36	37	54	192	212	149	164	249	313	240	167	39
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	45	46	-1,007	141	262	184	201	306	386	259	-989	-10
1974	Wet	45	-150	-120	236	262	184	201	306	386	263	206	49
1975	Wet	45	46	67	230	262	184	201	306	386	260	206	48
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-31	0	0	-1,720
1978	Wet	-1,389	-2,775	-2,822	-3,068	-1,115	184	201	306	386	264	60	15
1979	Above Normal	-154	46	-736	236	262	184	201	306	386	259	-2,657	-3,342
1980	Wet	-1,153	0	67	-372	-276	184	201	306	386	264	188	47
1981	Dry	45	46	67	236	262	184	201	306	386	257	206	-728
1982	Wet	-137	-3,894	-3,084	-1,318	139	139	144	-820	-1,158	-400	-154	-159
1983	Wet	-133	-177	-180	-576	-86	139	144	0	-36	-25	-25	-23
1984	Above Normal	0	46	67	236	262	184	201	306	386	260	206	49
1985	Dry	38	39	57	202	224	157	172	262	329	252	176	-4,394
1986	Wet	-3,352	-202	-1,587	-559	262	184	201	306	386	245	206	49
1987	Critical	16	17	25	87	96	68	74	113	142	109	76	18
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-64
1993	Wet	12	46	67	236	262	184	201	306	386	259	206	49
1994	Critical	0	0	0	0	0	0	0	0	0	0	-82	-357
1995	Wet	-2,683	-1,859	-2,251	-3,130	-474	184	201	306	386	181	206	-66
1996	Wet	-1,490	226	-595	90	262	184	201	306	386	-1,942	-5,218	-1,171
1997	Wet	10	46	-420	236	262	184	201	306	386	263	206	-2,321
1998	Wet	-1,284	-1,222	-2,328	-3,321	-1,563	139	144	139	144	96	139	0
1999	Above Normal	0	46	67	236	262	184	201	306	386	259	206	48
2000	Above Normal	45	46	67	236	262	184	201	306	386	259	206	49
2001	Dry	6	6	9	33	37	26	28	43	54	41	29	7
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	27	28	40	142	157	110	121	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	3%	-72%	-14%	75%	53%	58%	88%	83%	218%	-52%	-4%
1923	Above Normal	4%	3%	19%	67%	75%	53%	58%	191%	283%	213%	207%	43%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	2%	2%	7%	24%	27%	19%	20%	31%	29%	87%	74%	5%
1926	Dry	1%	1%	3%	9%	11%	7%	8%	12%	12%	34%	29%	-3%
1927	Above Normal	4%	3%	18%	19%	75%	53%	58%	88%	83%	214%	207%	14%
1928	Below Normal	3%	3%	13%	45%	50%	35%	39%	59%	56%	165%	139%	9%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	171%	207%	14%
1933	Dry	1%	1%	5%	17%	18%	13%	14%	21%	20%	60%	51%	3%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	4%	3%	19%	21%	75%	53%	58%	88%	83%	212%	207%	-67%
1936	Above Normal	-6%	-1%	-71%	67%	75%	53%	58%	88%	83%	213%	0%	-80%
1937	Wet	-59%	-43%	-89%	-59%	75%	53%	58%	88%	83%	-39%	-79%	-70%
1938	Wet	-54%	-30%	-37%	-30%	-5%	40%	41%	40%	31%	115%	65%	0%
1939	Dry	0%	11%	19%	67%	75%	53%	58%	88%	83%	212%	207%	14%
1940	Above Normal	4%	3%	-57%	67%	75%	53%	58%	88%	83%	79%	0%	-84%
1941	Wet	-2%	3%	-36%	-9%	75%	53%	58%	88%	83%	83%	-88%	-21%
1942	Wet	4%	3%	19%	46%	75%	53%	58%	88%	83%	218%	-95%	-37%
1943	Wet	-62%	-19%	-67%	67%	75%	53%	58%	88%	83%	218%	207%	14%
1944	Below Normal	3%	4%	15%	52%	58%	41%	45%	68%	64%	189%	160%	-84%
1945	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	73%	-27%	11%
1946	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	215%	182%	5%
1947	Dry	2%	3%	10%	36%	40%	28%	31%	47%	44%	132%	111%	7%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	2%	2%	10%	36%	39%	28%	30%	46%	44%	-96%	0%	-46%
1951	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	215%	207%	-19%
1952	Wet	-52%	-47%	-65%	-52%	40%	40%	41%	40%	31%	115%	19%	-4%
1953	Below Normal	0%	5%	19%	67%	75%	53%	58%	88%	83%	213%	207%	14%
1954	Below Normal	2%	2%	7%	24%	27%	19%	21%	32%	30%	89%	75%	5%
1955	Dry	1%	1%	2%	8%	9%	6%	7%	10%	10%	-93%	-52%	-52%
1956	Wet	-3%	3%	4%	14%	75%	53%	58%	88%	83%	218%	207%	14%
1957	Below Normal	4%	5%	19%	67%	75%	53%	58%	88%	83%	211%	207%	14%
1958	Wet	-54%	-41%	-61%	-27%	40%	40%	41%	40%	31%	115%	140%	0%
1959	Dry	0%	3%	13%	47%	52%	37%	40%	61%	58%	171%	145%	10%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	214%	207%	-18%
1963	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	213%	207%	14%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-85%	-59%
1965	Wet	4%	3%	19%	67%	75%	53%	58%	88%	83%	217%	30%	9%
1966	Below Normal	4%	4%	17%	61%	68%	47%	52%	79%	75%	214%	85%	-20%
1967	Wet	-3%	-47%	-60%	-51%	-87%	40%	41%	40%	12%	115%	140%	0%
1968	Dry	0%	13%	19%	67%	75%	53%	58%	88%	83%	212%	-95%	-48%
1969	Wet	-57%	-32%	-40%	-29%	-4%	40%	41%	40%	31%	115%	-60%	-3%
1970	Above Normal	-2%	5%	19%	67%	75%	53%	58%	88%	83%	216%	207%	14%
1971	Below Normal	4%	4%	16%	55%	61%	43%	47%	71%	67%	199%	168%	11%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	4%	3%	-71%	32%	75%	53%	58%	88%	83%	215%	-76%	-2%
1974	Wet	4%	-8%	-26%	67%	75%	53%	58%	88%	83%	218%	207%	14%
1975	Wet	4%	3%	19%	65%	75%	53%	58%	191%	283%	216%	207%	43%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	-83%
1978	Wet	-58%	-63%	-63%	-62%	-65%	53%	58%	88%	83%	219%	25%	4%
1979	Above Normal	-13%	3%	-64%	67%	75%	53%	58%	88%	83%	215%	-96%	-91%
1980	Wet	-53%	0%	4%	-16%	-25%	53%	58%	88%	83%	219%	160%	13%
1981	Dry	4%	5%	19%	67%	75%	53%	58%	88%	83%	213%	207%	-64%
1982	Wet	-11%	-71%	-65%	-42%	40%	40%	41%	-63%	-71%	-12%	-4%	-4%
1983	Wet	-2%	-2%	-2%	-6%	-2%	40%	41%	0%	-4%	-1%	-3%	-6%
1984	Above Normal	0%	3%	19%	67%	75%	53%	58%	88%	83%	216%	207%	14%
1985	Dry	4%	4%	16%	58%	64%	45%	49%	75%	71%	209%	177%	-92%
1986	Wet	-77%	-11%	-49%	-23%	75%	53%	58%	88%	83%	203%	207%	14%
1987	Critical	2%	5%	7%	25%	28%	19%	21%	32%	30%	90%	76%	5%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1993	Wet	1%	3%	4%	14%	75%	53%	58%	88%	83%	215%	207%	14%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-45%	-50%
1995	Wet	-72%	-53%	-48%	-62%	-7%	53%	58%	88%	83%	150%	207%	-14%
1996	Wet	-58%	14%	-59%	18%	75%	53%	58%	88%	83%	-87%	-51%	-51%
1997	Wet	1%	3%	-18%	14%	75%	53%	58%	88%	83%	218%	207%	-85%
1998	Wet	-55%	-43%	-58%	-67%	-31%	40%	41%	40%	31%	80%	140%	0%
1999	Above Normal	0%	3%	19%	67%	75%	53%	58%	88%	83%	214%	207%	14%
2000	Above Normal	4%	3%	19%	67%	75%	53%	58%	88%	83%	214%	207%	14%
2001	Dry	1%	1%	3%	9%	10%	7%	8%	12%	12%	34%	29%	2%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	3%	2%	11%	41%	45%	32%	35%	n/a	n/a	n/a	n/a	n/a

Simulated Merced River Inflow to San Joaquin River (Node C566)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	684	582	159	757	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	49	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	494	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	329	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	82	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	117	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	640	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,414	236	145	338	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,022	435	558	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	223	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	521	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	426	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	747	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	478	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,390	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	394	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	83	44
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,071	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	385	240	149	114	390
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Merced River Inflow to San Joaquin River (Node C566)

Alternative 2 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal			469	304	962	1,270	1,017	261	209	685	582	159	756	598
1924	Critical			593	385	382	396	320	273	253	43	63	88	45	49
1925	Below Normal			282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry			266	354	375	375	336	271	493	621	61	51	37	51
1927	Above Normal			274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal			426	352	389	361	493	341	330	202	271	179	88	80
1929	Critical			296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical			276	367	359	361	375	303	675	346	31	53	35	93
1931	Critical			276	385	372	382	408	292	99	98	84	124	76	75
1932	Above Normal			266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry			310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical			298	383	405	466	469	311	416	282	113	113	66	29
1935	Above Normal			282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal			368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet			707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet			442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry			833	397	383	443	509	453	641	583	135	67	73	68
1940	Above Normal			331	424	418	573	489	280	419	1,413	236	145	337	416
1941	Wet			459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet			718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet			494	549	783	2,172	1,974	3,163	910	1,132	435	449	941	490
1944	Below Normal			475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal			357	489	446	441	2,450	834	450	729	222	934	937	421
1946	Above Normal			840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry			520	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal			319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal			348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal			326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal			329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet			347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal			450	428	334	1,080	727	358	427	267	190	140	126	55
1954	Below Normal			360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry			314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet			311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal			580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet			424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry			483	395	382	395	564	335	748	651	172	107	116	94
1960	Critical			307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical			286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal			264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal			346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry			411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet			346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal			474	866	812	1,055	724	346	480	345	257	206	165	79
1967	Wet			293	366	400	408	424	1,388	1,756	2,666	4,147	4,063	1,494	797
1968	Dry			747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet			275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal			825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal			383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry			359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal			309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet			815	776	1,095	1,690	870	1,126	325	2,088	393	841	1,054	586
1975	Wet			667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical			1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical			354	311	322	373	253	234	569	361	173	130	81	44
1978	Wet			268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal			509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet			698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry			629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet			401	405	414	484	2,070	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet			1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal			1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry			526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet			405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical			558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical			356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical			256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical			305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical			248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical			270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet			206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical			739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet			239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet			474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet			613	845	3,494	9,912	2,144	1,191	760	499	240	149	114	274
1998	Wet			389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal			741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal			285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry			380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry			239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal			227	316	353	327	287	241	251	513	160	80	66	41

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	515	1,062	1,438	1,170	3,946	3,113	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,462	2,252	1,534	2,485	1,260	907	278	840	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,021	494	145	132	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	939	192	61	90	534
1927	Above Normal	503	1,312	918	848	2,869	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,502	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	945	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,929	2,382	2,860	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	10,479	4,847	3,471	5,652	952	696	892	949
1938	Wet	690	1,321	3,705	3,085	13,421	17,288	9,804	13,009	9,480	2,490	1,293	1,126
1939	Dry	1,148	1,382	874	869	1,429	1,810	1,071	889	283	93	126	632
1940	Above Normal	609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,345	8,907	4,884	3,560	5,828	4,214	1,919	1,186	1,029
1942	Wet	985	1,357	2,203	3,126	3,378	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	5,894	3,405	8,308	3,029	1,737	658	610	1,022	977
1944	Below Normal	723	1,335	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	6,340	3,365	2,303	1,161	521	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	206	194	568
1947	Dry	779	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	6,680	4,077	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,547	2,644	6,515	4,672	9,170	6,072	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	5,651	10,548	5,009	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,779	9,122	7,615	4,760	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,473	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,549	1,561	1,707	2,840	1,543	701	327	336	789
1966	Below Normal	713	2,088	1,482	1,676	1,714	1,525	1,267	590	372	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,515	8,592	8,332	7,405	6,065	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	7,382	16,131	12,297	12,746	15,291	14,063	3,062	1,334	1,234
1970	Above Normal	1,124	1,277	935	5,402	2,453	2,814	1,631	1,156	519	292	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	3,304	1,791	3,038	2,610	2,485	591	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,211	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	982	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	772	802	1,986	5,563	6,239	9,003	6,666	8,429	2,704	1,381	1,927
1979	Above Normal	731	1,320	883	2,422	3,699	3,939	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	8,667	11,878	7,878	2,410	2,244	4,000	2,374	1,314	1,069
1981	Dry	851	1,203	886	970	1,257	1,813	1,583	746	338	195	221	580
1982	Wet	681	1,160	921	1,862	4,221	5,874	14,647	9,622	4,541	2,356	1,492	1,775
1983	Wet	1,684	5,177	11,197	14,233	17,664	22,797	13,906	13,974	18,260	11,028	2,570	1,705
1984	Above Normal	1,909	5,396	10,022	6,043	6,327	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	11,828	13,251	5,080	5,207	3,304	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,259	2,542	1,859	1,671	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,423	2,092	10,475	6,197	9,824	9,607	9,191	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,231	4,294	2,482	2,240	463	461	1,001	984
1997	Wet	881	2,179	9,675	32,141	8,846	2,564	2,249	2,231	1,581	184	178	875
1998	Wet	628	1,119	814	2,665	13,014	6,322	7,551	8,215	11,954	9,055	1,586	1,280
1999	Above Normal	1,008	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,929	3,299	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,249	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	515	1,062	1,438	1,170	3,961	3,139	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,268	2,210	1,534	2,485	1,260	907	278	839	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,020	494	145	131	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	938	193	61	91	534
1927	Above Normal	503	1,312	918	848	2,868	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,505	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	890	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,378	2,382	2,814	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	9,168	4,060	2,331	2,977	952	696	982	949
1938	Wet	690	1,321	3,705	2,851	11,635	14,487	7,888	10,311	8,011	2,490	1,293	1,126
1939	Dry	1,238	1,382	874	869	1,429	1,810	1,071	890	283	93	126	632
1940	Above Normal	609	1,108	845	2,243	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,344	7,029	4,911	3,560	5,056	4,061	1,919	1,186	1,029
1942	Wet	1,048	1,357	2,203	2,523	3,186	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	3,787	3,286	6,384	2,798	1,611	658	502	1,022	977
1944	Below Normal	723	1,327	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	4,791	3,365	2,304	1,161	520	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	205	194	568
1947	Dry	778	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	3,712	3,170	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,413	2,684	6,068	3,452	6,289	4,375	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	3,991	6,783	4,667	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,226	7,723	5,359	4,251	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,475	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,423	1,561	1,707	2,840	1,543	701	327	335	788
1966	Below Normal	713	2,088	1,482	1,676	1,713	1,525	1,268	590	371	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,513	7,295	6,016	5,769	4,236	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	5,388	14,306	9,402	10,583	12,488	11,817	2,915	1,334	1,234
1970	Above Normal	1,133	1,277	935	5,392	2,453	2,757	1,631	1,156	519	292	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	248	584
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	2,557	1,791	3,038	2,566	2,485	590	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,163	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	983	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	742	802	1,986	4,325	4,935	6,368	3,990	5,547	2,704	1,380	1,927
1979	Above Normal	731	1,320	883	2,422	3,608	3,773	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	6,156	8,102	6,777	2,410	2,244	3,682	2,374	1,314	1,069
1981	Dry	851	1,234	886	970	1,257	1,813	1,584	746	338	194	221	580
1982	Wet	681	1,160	921	1,862	4,100	5,721	10,873	6,693	3,409	2,356	1,492	1,775
1983	Wet	1,684	4,076	10,510	13,274	17,467	22,670	13,738	13,804	17,712	11,004	2,570	1,705
1984	Above Normal	1,909	5,359	9,997	6,018	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	7,865	9,824	4,889	3,699	2,808	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,254	2,542	1,859	1,670	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,417	2,092	8,591	4,434	7,691	6,662	8,551	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,223	3,577	2,495	2,240	463	461	1,001	984
1997	Wet	881	2,131	7,097	26,313	7,629	2,564	2,249	1,932	1,581	184	178	760
1998	Wet	628	1,119	814	2,653	10,362	5,249	6,392	6,006	8,808	7,633	1,586	1,280
1999	Above Normal	1,061	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,811	3,212	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,248	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,208	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,472	3,236	1,433	660	647	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,690	1,509	2,014	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	338	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,606	1,354	3,321	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	867	743	316	321	348	341
1982	Wet	439	421	600	955	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,771	2,678	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,207	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,474	3,274	1,433	660	611	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,720	1,494	1,999	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	338	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,617	1,349	3,316	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	866	743	316	321	348	341
1982	Wet	439	421	600	956	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,802	2,648	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,352	1,692	2,037	1,774	4,632	3,746	5,421	3,695	12,191	3,447	1,605	1,623
1923	Above Normal	1,564	1,915	2,905	4,441	4,211	2,398	5,571	2,710	1,563	900	1,485	1,839
1924	Critical	1,617	1,485	1,406	1,338	1,482	1,756	778	551	297	286	334	704
1925	Below Normal	935	1,495	1,220	1,135	2,421	2,272	3,748	2,749	1,018	569	599	1,044
1926	Dry	1,174	1,559	1,294	1,193	1,795	1,827	2,870	1,870	625	479	553	1,036
1927	Above Normal	1,097	1,761	1,370	1,305	3,388	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal	1,597	2,074	1,559	1,520	2,150	5,272	2,799	1,501	855	615	609	1,072
1929	Critical	1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical	970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical	898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal	876	1,381	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry	1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical	1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal	922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal	1,494	1,744	1,409	1,514	8,604	5,888	6,183	3,453	1,185	1,034	1,545	1,620
1937	Wet	1,832	1,818	1,509	2,207	14,261	9,350	7,014	7,218	1,637	1,294	1,534	1,633
1938	Wet	1,537	1,967	5,627	4,698	20,533	25,108	15,341	18,530	13,950	6,239	1,957	1,830
1939	Dry	2,198	2,060	1,478	1,463	2,334	3,232	1,932	1,742	722	521	599	1,148
1940	Above Normal	1,206	1,605	1,284	2,655	3,295	6,192	6,204	3,126	1,251	867	995	1,530
1941	Wet	1,463	1,673	3,124	3,613	13,919	9,811	8,168	7,138	5,546	4,522	1,891	1,680
1942	Wet	1,792	1,958	2,851	6,406	6,813	5,076	6,825	6,271	6,002	5,140	1,929	1,805
1943	Wet	1,674	2,214	1,918	9,317	6,662	14,541	6,808	3,349	2,729	1,743	1,612	1,517
1944	Below Normal	1,594	1,946	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	668	1,026
1945	Above Normal	1,257	1,798	1,326	1,372	8,860	7,336	4,666	2,673	1,113	1,743	1,720	1,592
1946	Above Normal	1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	877	1,249
1947	Dry	1,556	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	444	564	1,003
1948	Below Normal	1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal	1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	553	616	997
1950	Below Normal	1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal	1,227	2,154	11,476	7,838	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet	1,177	1,542	1,737	5,393	3,459	10,357	9,362	14,342	10,539	5,899	2,025	1,832
1953	Below Normal	1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	748	701	1,037
1954	Below Normal	1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,724	937	611	641	1,031
1955	Dry	1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet	1,041	1,484	6,092	17,719	9,177	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal	1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet	1,304	1,472	1,296	1,494	3,011	9,563	15,319	12,611	9,899	4,632	1,990	1,942
1959	Dry	1,593	1,616	1,390	1,413	2,599	2,765	2,344	1,701	677	508	579	1,140
1960	Critical	1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical	761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal	800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal	1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,118	1,261	937	856	1,279
1964	Dry	1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet	1,082	1,427	1,985	7,346	5,105	4,774	6,070	2,784	1,117	927	1,119	1,655
1966	Below Normal	1,414	2,580	3,592	2,781	3,757	2,647	2,109	1,362	670	526	540	903
1967	Wet	1,016	1,355	1,875	1,751	1,847	5,121	13,193	12,341	13,951	12,634	2,278	2,083
1968	Dry	1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet	1,038	1,520	1,295	8,849	21,587	16,230	17,946	22,182	21,658	6,938	1,885	1,850
1970	Above Normal	2,460	2,039	2,083	11,398	5,039	5,920	3,060	2,507	867	777	731	1,164
1971	Below Normal	1,415	1,620	1,579	1,524	1,672	2,997	2,969	2,323	925	659	668	1,041
1972	Dry	1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal	978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet	1,808	2,359	3,728	6,169	3,546	6,878	5,305	3,942	3,973	2,020	1,684	1,834
1975	Wet	2,118	2,290	1,657	1,360	5,808	6,901	4,768	3,307	5,171	2,545	1,798	1,690
1976	Critical	2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical	812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet	681	1,042	1,053	2,418	6,113	6,819	10,540	8,167	11,335	3,181	1,917	2,474
1979	Above Normal	1,241	2,031	1,495	3,468	7,356	8,246	4,437	7,387	1,086	923	1,503	1,547
1980	Wet	1,691	1,910	1,713	11,739	18,639	11,711	4,891	4,441	9,123	5,946	1,971	1,871
1981	Dry	1,711	2,006	1,406	1,664	1,867	2,623	2,538	1,572	700	560	647	1,019
1982	Wet	1,237	1,581	1,522	2,818	10,899	11,498	23,940	16,091	9,443	6,099	2,176	4,255
1983	Wet	4,980	8,330	16,538	19,516	24,390	38,925	19,077	21,966	22,643	17,358	5,528	3,899
1984	Above Normal	2,968	10,882	17,499	10,213	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry	1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet	1,120	1,496	1,272	1,099	14,502	21,309	8,086	8,552	7,044	1,686	1,805	1,998
1987	Critical	2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	402	813
1988	Critical	857	1,319	1,051	1,051	1,236	1,490	953	764	361	160	251	687
1989	Critical	686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical	796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical	717	1,179	887	803	1,102	2,520	1,400	808	274	140	209	514
1992	Critical	710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet	626	1,101	939	3,854	2,741	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical	1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet	677	1,146	879	2,941	2,245	18,465	11,008	19,443	14,781	17,595	3,657	1,928
1996	Wet	1,573	1,697	1,271	1,971	10,899	9,216	5,341	5,029	3,594	1,310	1,570	1,620
1997	Wet	1,591	2,705	15,970	49,876	12,565	5,392	3,557	3,569	2,118	741	752	1,465
1998	Wet	1,438	1,457	1,246	3,606	20,288	11,420	11,512	13,886	19,029	15,856	2,196	1,947
1999	Above Normal	2,090	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	859	1,227
2000	Above Normal	1,246	1,500	1,073	1,316	8,852	7,050	4,502	3,360	2,228	734	967	1,385
2001	Dry	1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry	906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal	876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Alternative 2 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			1,352	1,692	2,037	1,774	4,646	3,772	5,421	3,695	12,190	3,447	1,605	1,623
1923	Above Normal			1,564	1,915	2,905	4,247	4,169	2,398	5,571	2,710	1,562	899	1,484	1,839
1924	Critical			1,617	1,485	1,406	1,338	1,482	1,756	778	552	297	287	334	704
1925	Below Normal			936	1,495	1,220	1,135	2,421	2,272	3,748	2,748	1,017	567	597	1,043
1926	Dry			1,173	1,559	1,294	1,193	1,795	1,827	2,871	1,870	626	481	554	1,036
1927	Above Normal			1,097	1,761	1,370	1,305	3,387	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal			1,597	2,074	1,559	1,520	2,150	5,272	2,800	1,501	855	615	609	1,072
1929	Critical			1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical			970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical			898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal			876	1,327	2,028	1,682	4,127	2,297	3,634	2,438	1,095	752	713	1,074
1933	Dry			1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	727	449	507	875
1934	Critical			1,072	1,415	1,216	1,230	1,730	1,783	982	814	379	287	334	711
1935	Above Normal			922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal			1,494	1,744	1,409	1,514	8,053	5,889	6,182	3,453	1,185	997	1,545	1,620
1937	Wet			1,832	1,818	1,509	2,207	12,951	8,563	5,874	4,542	1,294	1,294	1,534	1,633
1938	Wet			1,537	1,967	5,627	4,464	18,747	22,306	13,424	15,832	12,481	6,239	1,957	1,830
1939	Dry			2,288	2,060	1,478	1,463	2,334	3,232	1,932	1,741	721	519	598	1,148
1940	Above Normal			1,205	1,605	1,284	2,677	3,294	6,192	6,204	3,126	1,252	868	996	1,531
1941	Wet			1,463	1,673	3,124	3,612	12,041	9,838	8,168	6,366	5,392	4,521	1,890	1,680
1942	Wet			1,855	1,958	2,851	5,802	6,622	5,076	6,825	6,271	6,002	5,139	1,929	1,805
1943	Wet			1,674	2,214	1,918	7,210	6,544	12,617	6,619	3,207	2,714	1,634	1,611	1,517
1944	Below Normal			1,594	1,938	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	667	1,026
1945	Above Normal			1,257	1,798	1,326	1,372	7,311	7,336	4,666	2,673	1,112	1,743	1,720	1,591
1946	Above Normal			1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	876	1,249
1947	Dry			1,555	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	445	564	1,003
1948	Below Normal			1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal			1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	554	616	997
1950	Below Normal			1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal			1,227	2,154	8,509	6,930	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet			1,177	1,542	1,737	5,260	3,499	9,910	8,155	11,460	8,843	5,899	2,025	1,832
1953	Below Normal			1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	747	701	1,037
1954	Below Normal			1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,725	937	612	641	1,031
1955	Dry			1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet			1,041	1,484	4,432	13,954	8,835	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal			1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet			1,304	1,472	1,296	1,494	3,011	9,011	13,933	10,355	9,389	4,631	1,989	1,942
1959	Dry			1,593	1,616	1,390	1,413	2,599	2,765	2,346	1,701	677	508	579	1,140
1960	Critical			1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical			761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal			800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal			1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,117	1,261	937	856	1,279
1964	Dry			1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet			1,082	1,427	1,985	7,221	5,105	4,774	6,069	2,784	1,116	926	1,118	1,654
1966	Below Normal			1,414	2,580	3,592	2,781	3,757	2,647	2,110	1,361	670	525	539	903
1967	Wet			1,016	1,355	1,875	1,751	1,847	5,120	11,910	10,026	12,315	10,805	2,278	2,083
1968	Dry			1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet			1,038	1,520	1,295	6,854	19,763	13,335	15,783	19,378	19,413	6,791	1,885	1,850
1970	Above Normal			2,469	2,039	2,083	11,387	5,039	5,863	3,060	2,507	867	777	731	1,164
1971	Below Normal			1,415	1,620	1,579	1,524	1,672	2,969	2,323	2,969	925	659	668	1,041
1972	Dry			1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal			978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet			1,808	2,359	3,728	5,421	3,546	6,878	5,283	3,936	3,967	2,019	1,683	1,834
1975	Wet			2,118	2,290	1,657	1,360	5,807	6,853	4,768	3,307	5,172	2,545	1,798	1,690
1976	Critical			2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical			812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet			681	1,013	1,053	2,418	4,875	5,515	7,905	5,491	8,453	3,179	1,916	2,473
1979	Above Normal			1,241	2,031	1,495	3,468	7,265	8,080	4,437	7,388	1,086	923	1,503	1,547
1980	Wet			1,691	1,910	1,713	9,228	14,863	10,610	4,892	4,441	8,805	5,945	1,970	1,871
1981	Dry			1,711	2,037	1,406	1,664	1,867	2,623	2,538	1,572	699	559	646	1,019
1982	Wet			1,237	1,581	1,522	2,818	10,778	11,346	20,165	13,162	8,311	6,099	2,176	4,255
1983	Wet			4,980	7,229	15,851	18,556	24,193	38,798	18,909	21,795	22,095	17,334	5,528	3,899
1984	Above Normal			2,968	10,846	17,474	10,188	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry			1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet			1,120	1,496	1,272	1,099	10,539	17,882	7,895	7,045	6,548	1,686	1,805	1,998
1987	Critical			2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	401	813
1988	Critical			857	1,319	1,051	1,051	1,236	1,489	953	764	361	160	251	687
1989	Critical			686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical			796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical			717	1,179	887	803	1,102	2,520	1,400	808	274	139	209	514
1992	Critical			710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet			626	1,101	939	3,854	2,736	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical			1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet			677	1,146	879	2,935	2,245	16,581	9,244	17,308	11,835	16,953	3,655	1,927
1996	Wet			1,572	1,697	1,271	1,971	10,891	8,499	5,384	4,999	3,594	1,309	1,569	1,619
1997	Wet			1,591	2,657	13,393	44,049	11,349	5,392	3,557	3,269	2,118	741	752	1,350
1998	Wet			1,438	1,457	1,246	3,595	17,636	10,347	10,352	11,677	15,881	14,433	2,195	1,946
1999	Above Normal			2,143	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	860	1,227
2000	Above Normal			1,246	1,500	1,073	1,316	8,735	6,963	4,502	3,360	2,228	734	967	1,385
2001	Dry			1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry			906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal			876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	409	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	239	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,038	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,306
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	414	411	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	441	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	725	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,561	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,209	1,375	1,424	678	586	1,244
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,708	1,284	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,712	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,164	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	407	372	394
1982	Wet	951	263	291	387	2,141	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	408	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	430	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	406	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	721	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,060	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,284
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	413	410	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	442	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	724	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,560	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,211	1,375	1,424	678	586	1,242
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,709	1,283	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,713	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,163	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	406	372	394
1982	Wet	951	263	291	387	2,142	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)
Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,674	6,916	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,199	5,884	4,555	8,178	5,688	3,704	2,308	2,475	2,826
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,782	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,909	3,154	6,524	5,811	2,389	1,632	1,543	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,387	2,524	4,590	3,403	1,684	1,396	1,475	1,923
1927	Above Normal			2,310	2,481	2,056	2,100	4,105	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,226	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,857	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal			2,704	2,374	2,004	2,255	9,773	7,735	8,256	5,703	2,734	2,162	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	15,063	11,257	9,074	9,802	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,989	22,091	30,573	19,083	23,003	16,654	8,681	3,186	3,742
1939	Dry			3,884	2,946	2,284	2,426	3,053	3,836	3,890	3,511	1,646	1,423	1,535	2,062
1940	Above Normal			2,573	2,187	1,819	3,283	4,069	9,454	9,197	6,018	3,136	1,924	1,948	2,480
1941	Wet			2,890	2,378	3,909	4,589	15,152	13,633	11,281	11,335	8,124	6,419	2,937	2,678
1942	Wet			3,282	2,914	3,758	7,510	8,313	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,860	12,585	9,730	19,983	10,027	6,557	4,936	2,933	2,734	2,636
1944	Below Normal			3,163	2,804	2,347	2,392	3,217	3,847	5,291	4,208	2,300	1,621	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	9,767	10,149	7,006	5,714	3,140	3,064	2,793	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,872	1,854	2,176
1947	Dry			2,927	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	13,706	12,214	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,183	4,533	13,413	12,654	18,383	13,273	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,586	1,944	1,638	1,973
1954	Below Normal			2,571	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,591	3,454	2,757	1,717	1,401	1,310	1,425	1,791
1956	Wet			2,164	1,984	7,433	20,580	11,760	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,398	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	12,169	19,197	15,958	12,255	6,064	3,107	3,678
1959	Dry			3,137	2,423	2,175	2,281	4,061	3,561	4,365	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,313	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,586	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,940	6,458	5,829	8,558	5,218	2,985	1,935	2,139	2,612
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,407	2,769	1,580	1,399	1,358	1,686
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,512	16,042	15,499	16,178	15,023	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	9,639	24,219	21,599	21,738	25,964	25,803	9,851	4,226	4,041
1970	Above Normal			4,083	2,964	3,540	16,875	8,731	8,648	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	6,629	4,584	8,915	7,742	5,731	5,832	3,391	2,823	2,863
1975	Wet			3,661	3,086	2,478	2,348	6,465	8,980	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,359	1,279	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,484	1,500	3,086	6,714	8,120	13,545	11,698	12,675	4,351	2,890	3,354
1979	Above Normal			2,759	2,981	2,355	4,075	8,238	9,502	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	12,348	19,970	16,637	7,081	7,307	11,321	7,287	3,173	2,763
1981	Dry			3,395	2,885	2,045	2,240	2,478	3,434	4,580	3,656	1,711	1,505	1,446	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,458	15,884	28,326	19,415	11,929	8,432	4,669	7,487
1983	Wet			7,323	11,331	21,068	26,611	32,173	48,957	23,465	26,046	28,311	24,310	9,136	7,934
1984	Above Normal			4,879	16,567	24,066	15,447	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	15,427	27,272	12,254	11,543	9,576	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,995	1,138	847	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,842	3,822	3,815	3,770	8,155	4,318	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,700	3,427	20,103	13,128	22,852	16,328	19,518	4,764	2,947
1996	Wet			3,256	2,722	2,116	2,699	11,541	11,123	8,095	7,543	5,683	2,521	2,598	2,753
1997	Wet			3,203	3,640	18,846	60,096	23,048	10,630	5,981	6,306	4,009	1,896	2,023	2,824
1998	Wet			3,061	2,183	2,015	4,204	22,462	15,034	14,667	16,729	20,588	19,724	5,596	4,854
1999	Above Normal			4,520	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,918	2,037	2,376	2,762
2000	Above Normal			2,852	2,308	1,692	2,229	9,455	9,454	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal			1,889	1,850	1,854	1,7								

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Alternative 2 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,689	6,943	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,005	5,842	4,555	8,178	5,688	3,703	2,307	2,474	2,825
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,783	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,910	3,154	6,524	5,810	2,388	1,629	1,541	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,386	2,524	4,591	3,404	1,686	1,398	1,477	1,924
1927	Above Normal			2,310	2,481	2,056	2,100	4,104	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,228	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,803	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,251	1,127	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal			2,704	2,374	2,004	2,255	9,222	7,737	8,254	5,703	2,734	2,125	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	13,753	10,469	7,957	7,126	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,755	20,305	27,772	17,167	20,305	15,184	8,681	3,186	3,720
1939	Dry			3,973	2,946	2,284	2,426	3,053	3,836	3,890	3,510	1,644	1,421	1,533	2,061
1940	Above Normal			2,573	2,187	1,819	3,306	4,069	9,455	9,198	6,017	3,137	1,925	1,949	2,480
1941	Wet			2,891	2,378	3,909	4,589	13,274	13,660	11,280	10,564	7,971	6,418	2,937	2,678
1942	Wet			3,345	2,914	3,758	6,907	8,121	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,861	10,478	9,611	18,058	9,838	6,415	4,921	2,824	2,733	2,636
1944	Below Normal			3,163	2,797	2,347	2,392	3,217	3,847	5,291	4,207	2,300	1,620	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	8,218	10,149	7,006	5,713	3,139	3,063	2,792	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,871	1,854	2,176
1947	Dry			2,926	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	10,739	11,306	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,050	4,573	12,965	11,447	15,501	11,577	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,585	1,943	1,638	1,972
1954	Below Normal			2,570	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,310	2,591	3,454	2,757	1,717	1,401	1,424	1,791
1956	Wet			2,164	1,984	5,773	16,815	11,418	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,399	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	11,616	17,813	13,702	11,746	6,062	3,106	3,676
1959	Dry			3,136	2,423	2,175	2,281	4,061	3,561	4,367	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,312	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,800	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,587	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,815	6,458	5,829	8,558	5,218	2,984	1,934	2,138	2,611
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,409	2,769	1,580	1,398	1,568	1,685
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,511	14,760	13,184	14,543	13,194	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	7,644	22,394	18,703	19,575	23,160	23,556	9,705	4,226	4,041
1970	Above Normal			4,092	2,964	3,540	16,865	8,731	8,590	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	5,881	4,584	8,915	7,720	5,726	5,825	3,390	2,822	2,862
1975	Wet			3,661	3,085	2,478	2,348	6,465	8,932	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,813	2,023	2,048	2,308	2,414	3,333	2,734	1,358	1,278	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,455	1,500	3,086	5,476	6,816	10,910	9,021	9,792	4,349	2,888	3,353
1979	Above Normal			2,759	2,981	2,355	4,075	8,147	9,336	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	9,837	16,194	15,536	7,081	7,306	11,003	7,287	3,173	2,763
1981	Dry			3,395	2,916	2,045	2,240	2,478	3,434	4,580	3,656	1,710	1,504	1,445	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,338	15,732	24,552	16,486	10,797	8,432	4,669	7,487
1983	Wet			7,323	10,230	20,381	25,651	31,976	48,831	23,297	25,875	27,764	24,287	9,136	7,934
1984	Above Normal			4,879	16,531	24,040	15,421	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	11,464	23,845	12,063	10,036	9,080	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,994	1,138	846	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,837	3,822	3,815	3,770	8,155	4,317	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,694	3,427	18,219	11,364	20,718	13,382	18,876	4,762	2,946
1996	Wet			3,256	2,621	2,116	2,699	11,533	10,405	8,138	7,513	5,682	2,520	2,598	2,753
1997	Wet			3,203	3,592	16,269	54,268	21,832	10,630	5,981	6,006	4,009	1,896	2,023	2,709
1998	Wet			3,061	2,183	2,015	4,193	19,810	13,961	13,507	14,520	17,441	18,301	5,595	4,853
1999	Above Normal			4,573	3,549	3,327	5,185	11,795	7,998	6,847	5,282	3,277	1,919	2,037	2,376
2000	Above Normal			2,852	2,308	1,692	2,229	9,338	9,367	6,662	5,669	4,057	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal														

Simulated Exports Through Jones Pumping Plant (Node D418)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,600	4,600	4,600	3,559	3,216	4,510	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,055	4,263	4,270	3,572	4,430	3,040	1,016	800	3,387	4,600	4,100	4,600
1924	Critical	4,600	4,592	3,823	3,359	2,175	800	966	854	384	800	1,272	2,773
1925	Dry	3,098	1,214	3,996	3,197	2,382	2,624	1,080	959	3,035	4,408	3,764	3,431
1926	Dry	3,652	4,011	3,396	3,213	1,775	800	1,135	800	2,390	3,510	2,935	3,926
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,330	3,643
1928	Above Normal	2,926	4,092	4,600	3,440	2,182	4,288	863	800	2,558	3,900	4,600	4,252
1929	Critical	3,124	2,711	4,600	3,298	3,317	2,413	800	800	683	2,130	4,600	3,142
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,376	2,407	2,972
1931	Critical	3,211	3,300	3,177	3,184	3,622	1,224	800	800	390	600	1,239	2,870
1932	Dry	3,082	2,244	4,600	3,423	4,120	1,037	800	800	713	800	3,134	4,600
1933	Critical	3,157	2,907	4,072	3,895	1,739	1,397	800	800	579	800	4,525	4,287
1934	Critical	3,222	2,272	2,682	587	844	1,023	800	800	451	600	1,240	2,703
1935	Below Normal	2,794	3,225	4,204	3,511	2,922	2,500	850	800	3,017	3,455	1,875	4,478
1936	Below Normal	4,229	3,780	4,250	2,216	1,575	2,135	1,026	800	2,761	4,324	3,158	4,600
1937	Below Normal	4,241	4,200	4,044	2,264	1,151	1,126	1,129	1,218	1,451	3,296	2,512	4,600
1938	Wet	3,492	4,600	3,537	830	936	2,075	2,380	4,313	4,600	4,600	4,600	4,490
1939	Dry	3,905	800	4,600	3,398	4,322	1,774	800	800	448	4,600	3,436	4,359
1940	Above Normal	3,507	3,781	2,379	2,590	3,327	4,600	1,144	800	2,743	3,963	4,284	3,511
1941	Wet	3,288	3,132	4,248	3,993	4,600	4,600	1,405	1,410	3,950	4,600	4,600	4,600
1942	Wet	3,462	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,752	4,600	3,940	4,600	4,600	4,600	1,248	812	3,710	4,600	4,600	4,600
1944	Dry	3,666	4,488	4,269	3,399	3,692	2,466	873	800	1,868	4,244	2,859	3,263
1945	Below Normal	3,517	4,600	3,965	3,409	4,109	4,254	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,441	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,559	4,600	4,325	4,099	3,534	1,341	1,008	800	1,711	4,600	3,447	4,127
1948	Below Normal	3,626	4,467	3,549	2,022	800	2,530	800	800	2,681	3,804	4,600	4,600
1949	Dry	4,600	4,422	4,273	3,214	3,324	1,941	800	800	1,734	4,600	4,053	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,247	4,600	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,282	1,202	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,598	3,951	4,600	1,576	2,291	4,600	4,600	4,600	4,600
1953	Wet	3,341	4,476	4,600	3,168	3,884	3,708	847	800	1,938	4,600	4,600	4,600
1954	Above Normal	2,579	4,446	4,057	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,332	4,528	4,600	3,565	3,628	2,507	851	800	583	4,600	4,046	4,600
1956	Wet	3,368	4,095	4,600	4,600	4,600	1,840	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	3,997	2,395	1,989	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,456	2,168	3,070	3,287	1,078	857	1,664	4,584	4,600	3,542
1960	Dry	3,689	3,508	3,650	3,185	2,240	2,432	800	1,222	1,522	4,069	2,879	4,408
1961	Dry	3,617	4,164	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600
1962	Below Normal	3,450	3,997	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,222
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,887
1964	Dry	3,338	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,436
1967	Wet	3,889	3,784	3,806	3,725	3,622	4,483	2,000	1,930	4,600	4,600	4,600	4,566
1968	Below Normal	4,090	2,298	4,600	3,384	2,282	3,528	868	968	1,661	4,600	4,600	3,601
1969	Wet	4,071	4,016	4,600	4,435	4,502	1,992	2,711	4,005	4,600	4,600	4,600	4,143
1970	Wet	4,021	800	4,112	4,600	3,355	2,511	800	800	1,844	4,107	4,600	4,115
1971	Wet	3,557	2,595	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,905	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	2,657
1974	Wet	4,600	4,600	4,414	4,425	3,930	3,644	962	800	3,432	4,600	4,600	4,600
1975	Wet	4,374	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	3,983	4,600	3,724	4,600	2,947	1,294	800	439	2,590	980	1,720
1977	Critical	2,704	3,696	3,066	2,959	3,518	800	800	800	185	600	4,065	1,574
1978	Above Normal	2,408	1,592	2,921	2,880	4,600	4,600	1,688	1,456	4,600	4,600	4,600	4,600
1979	Below Normal	3,885	3,953	4,395	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,600	3,011	4,600	4,600	4,206	1,841	879	905	4,450	4,600	4,600	2,470
1981	Dry	4,180	4,600	4,600	3,391	3,394	2,923	1,134	898	1,648	4,600	3,913	4,600
1982	Wet	4,562	4,600	3,662	3,848	4,600	3,753	2,735	2,420	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	1,978	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,770	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,175	1,526	1,435	3,905	4,600	4,600	800
1987	Dry	2,980	1,618	4,324	3,296	3,360	2,351	800	800	1,631	4,486	2,815	3,262
1988	Critical	4,540	3,902	3,319	2,335	800	800	1,018	800	351	3,107	4,432	1,893
1989	Dry	2,748	2,941	3,077	3,172	1,125	1,207	1,130	815	2,355	4,600	2,444	4,378
1990	Critical	3,222	3,351	3,912	3,080	2,180	1,023	800	915	241	3,017	3,916	1,622
1991	Critical	3,262	2,939	2,921	800	1,931	1,276	1,021	856	1,069	2,201	3,685	2,127
1992	Critical	1,974	3,286	1,916	1,833	1,696	2,393	800	800	1,445	4,600	4,581	1,360
1993	Above Normal	1,925	2,681	3,426	3,138	4,136	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,467	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,546	4,141	3,450	2,992	3,630	4,600	1,635	4,337	4,600	4,600	4,600	4,600
1996	Wet	2,830	2,165	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600
1997	Wet	3,054	4,600	4,600	4,600	4,600	3,563	800	800	3,167	4,334	4,600	4,600
1998	Wet	3,194	2,628	4,600	3,006	4,600	4,600	1,827	2,083	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,042	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,911
2000	Above Normal	2,539	4,600	3,862	2,220	4,600	4,600	827	800	3,287	3,093	4,600	4,600
2001	Dry	2,798	4,600	3,966	3,464	3,050	2,973	1,002	800	1,617	4,600	3,161	3,459
2002	Dry	4,105	3,222	3,914	2,649	2,586	2,604	800	800	1,672	4,600	4,600	3,967
2003	Above Normal	4,197	4,389	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,681

Simulated Exports Through Jones Pumping Plant (Node D418)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,219	4,517	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,166	4,600	4,270	3,522	4,248	3,044	1,016	800	3,053	4,600	3,986	4,600
1924	Critical	4,600	4,079	3,320	3,802	2,175	800	966	854	385	800	1,561	2,779
1925	Dry	3,098	1,214	3,997	3,197	2,382	2,625	1,080	959	2,908	4,161	3,910	3,356
1926	Dry	3,661	4,063	3,398	3,213	1,775	800	1,135	833	2,391	3,958	2,900	3,988
1927	Wet	3,604	4,600	3,718	2,344	3,961	3,707	800	800	2,870	4,600	4,415	3,622
1928	Above Normal	2,950	4,078	4,600	3,440	2,182	4,288	863	800	2,558	3,897	4,600	4,262
1929	Critical	3,123	2,724	4,600	3,298	3,317	2,424	800	800	683	2,126	4,600	3,148
1930	Dry	3,375	2,760	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,388	2,407	2,972
1931	Critical	3,211	3,299	3,177	3,184	3,622	1,227	800	800	390	600	1,239	2,872
1932	Dry	3,081	2,205	4,600	3,423	4,140	1,036	800	800	713	800	3,134	4,600
1933	Critical	3,601	3,657	4,074	3,277	1,135	1,397	800	800	579	800	4,505	4,064
1934	Critical	3,285	2,126	2,849	577	832	1,025	800	800	451	600	1,240	2,702
1935	Below Normal	2,606	3,230	4,204	3,511	2,923	2,500	850	800	3,017	3,453	4,173	4,477
1936	Below Normal	4,228	3,779	4,251	2,216	1,980	2,239	1,026	800	2,761	4,335	3,158	4,600
1937	Below Normal	4,240	4,199	4,046	3,451	1,151	1,681	989	883	966	3,279	2,511	4,600
1938	Wet	3,493	4,600	4,600	1,674	1,041	2,630	2,141	2,531	4,600	4,600	4,600	4,490
1939	Dry	3,924	1,188	4,600	3,398	4,320	1,774	800	860	448	4,600	3,218	4,252
1940	Above Normal	3,867	3,788	2,378	2,596	3,327	4,600	1,144	800	2,743	3,961	4,600	3,954
1941	Wet	3,294	2,956	4,248	3,993	4,600	4,600	1,405	1,313	3,916	4,600	4,600	4,600
1942	Wet	3,476	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,751	4,600	3,940	4,600	4,600	4,600	1,224	800	4,058	4,600	4,600	4,600
1944	Dry	3,700	4,600	4,261	3,399	3,692	2,466	873	800	1,868	4,151	2,779	3,251
1945	Below Normal	3,516	4,600	3,965	3,409	3,709	4,600	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,107	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,557	4,600	4,322	4,098	3,534	1,341	1,008	800	1,711	4,600	3,412	4,108
1948	Below Normal	3,631	4,468	3,547	2,022	800	2,530	800	800	2,681	3,812	4,600	4,600
1949	Dry	4,600	4,421	4,272	3,214	3,324	1,941	800	800	1,734	4,600	4,054	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,249	4,256	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,275	1,540	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,563	3,962	4,600	1,426	1,930	4,600	4,600	4,600	4,600
1953	Wet	3,300	4,600	4,600	2,717	3,884	3,708	847	800	1,937	4,600	4,600	4,600
1954	Above Normal	2,581	4,349	4,058	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,341	4,534	4,600	3,565	3,628	2,507	851	800	583	4,600	4,038	4,600
1956	Wet	3,367	4,100	4,600	4,600	4,600	2,258	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,286
1958	Wet	4,600	4,600	3,707	2,531	4,097	4,552	2,222	1,707	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,455	2,168	3,070	3,421	1,078	857	1,664	4,584	4,600	3,523
1960	Dry	3,691	3,509	3,648	3,185	2,240	2,432	800	1,222	1,522	4,069	2,869	4,411
1961	Dry	3,616	4,160	4,600	3,291	2,049	3,302	800	802	352	4,600	3,435	4,600
1962	Below Normal	3,450	3,998	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,223
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,853
1964	Dry	3,351	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,378
1967	Wet	3,888	3,784	3,806	3,725	3,622	4,482	1,840	1,641	4,600	4,600	4,600	4,600
1968	Below Normal	4,030	4,559	4,600	3,384	2,282	3,528	968	868	1,661	4,600	4,600	3,601
1969	Wet	4,070	4,040	4,600	3,920	4,600	1,992	2,441	4,266	4,600	4,600	4,600	4,325
1970	Wet	4,011	800	4,112	4,600	3,101	2,527	800	800	1,844	4,113	4,600	4,104
1971	Wet	3,560	2,594	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,351
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,904	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	3,774
1974	Wet	3,931	4,600	4,414	4,232	3,930	4,600	959	800	3,430	4,600	4,600	4,600
1975	Wet	4,371	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	4,003	4,600	3,725	4,600	2,947	1,294	800	439	2,624	986	1,721
1977	Critical	2,666	3,691	3,061	2,953	3,512	800	800	800	185	600	4,027	1,576
1978	Above Normal	2,421	1,574	2,932	2,880	4,333	4,440	1,359	1,121	4,497	4,600	4,600	4,600
1979	Below Normal	3,879	4,600	4,414	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,410	3,165	4,600	4,247	4,600	1,825	879	905	4,393	4,600	4,600	3,690
1981	Dry	3,744	3,869	4,600	3,391	3,394	2,472	1,134	898	1,648	4,600	3,908	4,505
1982	Wet	4,561	4,600	3,662	3,848	4,600	4,309	2,735	2,054	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	3,170	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,792	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,481	1,502	1,246	3,819	4,600	4,600	800
1987	Dry	2,982	1,936	4,318	3,296	3,360	2,351	800	800	1,631	4,446	2,767	3,258
1988	Critical	4,541	3,903	3,319	2,335	800	800	1,018	800	351	3,066	4,426	1,903
1989	Dry	2,749	2,941	3,072	3,172	1,124	1,207	1,130	815	2,355	4,600	2,462	4,375
1990	Critical	3,221	3,349	3,911	3,080	2,179	1,023	800	915	241	3,018	3,919	1,623
1991	Critical	3,261	2,942	2,918	800	1,932	1,276	1,021	856	1,069	2,168	3,702	2,126
1992	Critical	1,972	3,288	1,917	1,819	1,696	2,393	800	800	1,445	4,600	4,580	1,356
1993	Above Normal	1,925	2,679	3,425	3,138	4,135	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,453	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,547	4,141	3,450	2,990	3,630	4,600	1,414	2,581	4,600	4,600	4,600	4,600
1996	Wet	2,828	3,715	3,774	2,814	4,600	4,600	1,011	930	3,353	4,600	4,600	4,600
1997	Wet	3,021	4,600	4,600	4,600	4,600	3,673	800	800	3,214	4,212	4,600	4,600
1998	Wet	3,190	2,627	4,600	3,003	4,600	4,600	1,682	1,807	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,041	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,841
2000	Above Normal	2,585	4,600	3,870	2,220	4,600	4,600	827	800	3,287	3,096	4,600	4,600
2001	Dry	2,793	4,600	4,069	3,464	3,050	2,973	1,002	800	1,617	4,600	3,099	3,460
2002	Dry	4,105	3,222	3,914	2,649	2,585	2,604	800	800	1,672	4,600	4,600	3,940
2003	Above Normal	4,197	4,392	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,688

Simulated Exports Through Banks Pumping Plant (Node D419)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,959	5,601	7,186	3,559	3,216	4,510	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,055	3,867	4,270	3,572	4,120	2,868	1,016	700	2,628	7,005	7,180	6,680
1924	Critical	4,494	3,129	2,819	3,039	2,175	300	300	656	300	6,690	300	574
1925	Dry	2,268	2,888	3,996	3,197	2,382	4,289	1,080	959	2,368	7,180	4,672	6,680
1926	Dry	2,996	2,712	2,755	3,213	1,775	300	1,135	866	2,390	6,915	4,312	3,523
1927	Wet	1,492	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,235	3,300	7,103	3,440	2,182	4,288	863	700	2,558	6,567	6,748	6,680
1929	Critical	3,586	2,505	4,682	3,298	3,317	2,874	1,605	1,136	300	300	316	826
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,267	300	450
1932	Dry	993	1,525	7,175	3,423	4,090	4,058	300	700	300	7,005	5,332	2,384
1933	Critical	2,177	1,906	2,174	2,672	4,862	1,634	753	700	300	2,025	505	882
1934	Critical	1,045	1,167	4,041	5,971	4,237	1,531	300	773	300	677	323	514
1935	Below Normal	1,450	3,225	3,776	3,511	2,838	2,500	850	700	2,311	7,005	7,180	6,680
1936	Below Normal	3,838	2,803	3,070	2,216	8,437	7,201	1,026	700	2,761	7,005	7,180	6,459
1937	Below Normal	4,600	2,742	6,488	5,008	8,500	6,244	1,129	1,218	4,366	7,005	5,994	3,132
1938	Wet	4,968	6,680	6,090	7,618	6,858	6,581	2,380	6,177	6,680	7,005	7,180	4,619
1939	Dry	3,905	1,309	6,112	3,398	2,732	1,774	512	921	300	6,829	5,538	6,830
1940	Above Normal	2,018	1,039	3,390	2,590	3,327	5,688	1,144	700	2,743	6,612	6,680	6,680
1941	Wet	3,288	2,113	4,248	3,993	8,500	7,561	1,405	1,410	3,950	7,005	7,180	6,201
1942	Wet	3,462	1,625	4,209	4,978	5,168	4,938	1,188	1,157	3,865	7,005	7,180	5,712
1943	Wet	3,752	2,359	3,940	5,895	6,045	7,561	1,248	812	2,761	6,797	7,180	6,448
1944	Dry	3,666	1,151	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,561	2,612
1945	Below Normal	2,064	6,680	3,965	3,409	4,109	6,583	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,620	6,680	5,642	4,135	2,986	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,193	4,877	4,325	2,839	3,534	1,341	1,008	700	1,711	6,929	5,855	6,680
1948	Below Normal	4,234	3,527	2,269	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,613	2,682	4,273	3,214	3,324	1,941	700	700	1,734	6,915	5,839	6,680
1950	Below Normal	1,652	1,914	2,198	2,232	2,589	3,445	700	700	2,101	7,005	7,180	6,680
1951	Above Normal	5,711	6,680	7,678	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,809	3,933	4,598	3,951	7,561	1,576	2,291	5,777	6,680	7,180	5,792
1953	Wet	3,341	1,950	7,104	3,168	3,884	3,708	847	728	1,938	7,005	7,180	6,680
1954	Above Normal	2,579	796	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,332	3,826	7,027	3,565	3,018	2,402	851	700	300	6,929	3,609	5,309
1956	Wet	1,947	3,880	5,996	8,500	6,716	6,484	852	930	4,244	7,005	7,180	5,673
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,395	1,989	5,277	7,005	7,180	6,680
1959	Below Normal	3,768	2,611	7,078	2,168	3,070	3,843	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	4,011	2,760	2,348	3,185	2,240	2,432	300	1,222	1,522	6,915	5,965	6,922
1961	Dry	1,436	4,164	6,989	3,291	2,049	3,302	758	802	85	7,077	3,426	2,914
1962	Below Normal	853	2,679	2,928	2,483	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,053	3,400	2,737	2,177	700	700	300	6,915	4,220	6,698
1965	Wet	2,927	3,011	3,905	5,512	4,366	4,221	1,064	700	2,832	7,005	7,180	6,561
1966	Below Normal	3,269	5,350	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,379	3,784	3,806	3,725	3,622	4,483	2,000	1,930	6,680	6,970	7,180	6,680
1968	Below Normal	4,090	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,778	4,016	7,046	4,435	3,771	3,852	2,711	4,346	6,680	6,680	6,680	4,468
1970	Wet	4,021	300	4,112	8,500	6,676	6,650	700	700	1,844	7,115	7,030	4,115
1971	Wet	3,557	5,487	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	347	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,022
1974	Wet	5,411	6,680	4,414	4,425	3,930	6,017	962	700	3,432	7,005	7,180	6,135
1975	Wet	4,374	2,738	7,133	3,388	3,229	5,625	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,031	1,701	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,492	6,953
1977	Critical	3,226	1,460	1,174	1,772	697	300	300	557	262	552	300	1,371
1978	Above Normal	300	1,690	2,921	2,880	4,706	4,954	1,688	1,456	5,346	7,005	7,180	6,680
1979	Below Normal	3,885	2,853	7,110	3,922	5,343	4,855	864	1,116	1,955	7,005	7,180	5,118
1980	Above Normal	4,612	3,011	7,071	6,095	4,813	4,271	879	905	4,450	7,005	7,180	646
1981	Dry	3,759	1,512	7,054	3,391	3,394	2,923	1,134	898	1,648	6,929	5,910	6,930
1982	Wet	3,161	6,680	3,662	3,848	7,955	7,232	6,125	2,420	5,213	7,005	7,180	6,680
1983	Wet	6,680	6,680	6,741	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,787	6,533	837	700	2,030	6,680	6,934	5,818
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	8,439	6,600	1,526	1,435	4,453	7,115	5,533	6,680
1987	Dry	3,596	300	7,077	3,296	3,360	2,351	549	1,794	1,631	5,012	1,053	2,302
1988	Critical	461	849	3,319	2,335	456	1,651	1,018	972	300	5,022	300	1,262
1989	Dry	300	2,941	3,077	3,172	1,113	1,207	1,130	815	2,355	6,915	6,408	7,160
1990	Critical	3,318	2,305	3,243	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	375	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	615
1992	Critical	714	526	1,386	1,346	1,696	2,393	700	700	1,445	1,599	300	2,133
1993	Above Normal	1,925	494	3,426	3,138	4,136	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,082	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,820	3,448
1995	Wet	928	1,953	3,450	2,992	3,630	7,561	1,635	6,177	6,680	6,680	7,180	6,680
1996	Wet	2,830	2,614	3,774	2,814	7,842	6,904	1,005	934	3,353	7,005	7,180	6,680
1997	Wet	2,988	1,883	7,678	8,500	8,500	7,230	700	759	2,872	6,031	7,030	6,680
1998	Wet	3,194	2,033	7,048	3,006	8,500	7,561	1,827	2,083	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,042	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,911
2000	Above Normal	2,539	530	6,989	2,220	5,162	5,699	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,798	1,228	7,073	3,464	3,050	2,973	1,002	733	1,617	6,664	779	3,371
2002	Dry	300	3,222	3,914	2,649	3,868	2,604	740	700	1,672	6,929	2,833	6,740
2003	Above Normal	300	1,720	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Exports Through Banks Pumping Plant (Node D419)

Alternative 2 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,959	5,601	7,186	3,559	3,219	4,517	1,020	944	6,191	7,005	7,180	6,680		
1923	Below Normal	4,166	4,396	4,270	3,522	4,281	2,872	1,016	700	2,788	7,005	7,180	6,680		
1924	Critical	5,748	3,149	5,010	2,596	2,175	300	300	656	300	2,212	322	570		
1925	Dry	2,270	2,891	3,997	3,197	2,382	4,288	1,080	959	2,494	7,180	4,504	6,680		
1926	Dry	2,498	2,222	2,755	3,213	1,775	300	1,135	833	2,391	6,915	4,448	4,518		
1927	Wet	1,487	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680		
1928	Above Normal	3,234	3,274	7,103	3,440	2,182	4,288	863	700	2,558	6,548	6,748	6,680		
1929	Critical	3,564	2,498	4,680	3,298	3,317	2,833	1,605	1,136	300	300	609	820		
1930	Dry	1,130	941	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,778	6,680		
1931	Critical	1,933	1,646	1,358	3,184	2,030	856	300	300	300	4,220	300	448		
1932	Dry	993	1,494	7,175	3,423	4,110	4,059	300	700	300	7,005	6,897	2,377		
1933	Critical	1,733	1,156	2,228	3,290	5,468	1,634	753	700	300	1,733	507	856		
1934	Critical	1,112	1,028	3,976	5,981	4,250	1,439	300	773	300	675	322	514		
1935	Below Normal	1,638	3,230	3,775	3,511	2,839	2,500	850	700	2,311	7,005	7,180	6,680		
1936	Below Normal	3,845	2,813	3,071	2,216	8,437	7,099	1,026	700	2,761	7,005	7,180	6,478		
1937	Below Normal	4,601	2,743	6,488	3,821	8,500	6,347	989	883	4,851	7,005	5,769	3,137		
1938	Wet	4,969	6,680	5,027	6,652	7,303	6,688	2,141	2,531	6,448	7,005	7,180	5,748		
1939	Dry	3,924	1,850	5,812	3,398	2,733	1,774	523	860	300	6,829	5,431	6,830		
1940	Above Normal	1,657	1,032	3,346	2,596	3,327	5,688	1,144	700	2,743	6,611	6,680	6,680		
1941	Wet	3,294	2,173	4,248	3,993	8,360	7,561	1,405	1,313	3,916	7,005	7,180	6,201		
1942	Wet	3,476	1,659	4,209	4,666	5,069	4,938	1,188	1,157	3,865	7,005	7,180	6,190		
1943	Wet	3,751	2,343	3,940	4,805	5,984	7,561	1,224	789	2,408	6,798	7,180	6,407		
1944	Dry	3,700	1,654	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,655	2,617		
1945	Below Normal	2,064	6,680	3,965	3,409	3,709	6,237	870	700	1,971	6,901	7,180	6,680		
1946	Below Normal	5,650	6,680	5,641	4,135	3,150	3,396	762	700	1,974	6,823	6,893	6,680		
1947	Dry	5,119	4,878	4,322	2,839	3,534	1,341	1,008	700	1,711	6,929	5,872	6,680		
1948	Below Normal	4,235	3,528	2,267	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680		
1949	Dry	3,612	2,686	4,272	3,214	3,324	1,941	700	700	1,734	6,915	5,838	6,680		
1950	Below Normal	1,607	1,914	2,198	2,232	2,589	3,445	700	700	2,099	7,005	7,180	6,680		
1951	Above Normal	5,709	6,680	7,649	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974		
1952	Wet	3,452	4,810	3,933	4,563	3,962	7,561	1,426	1,930	5,008	6,680	7,180	6,340		
1953	Wet	3,300	3,264	7,104	2,717	3,884	3,708	847	727	1,937	7,005	7,180	6,680		
1954	Above Normal	2,581	750	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680		
1955	Dry	3,341	3,847	7,027	3,565	3,017	2,402	851	700	300	6,929	3,607	5,139		
1956	Wet	1,949	3,880	5,138	8,500	6,813	6,484	852	930	4,244	7,005	7,180	5,702		
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680		
1958	Wet	6,680	3,541	3,707	2,531	4,097	7,561	2,222	1,707	5,046	7,005	7,180	6,680		
1959	Below Normal	3,768	2,705	7,078	2,168	3,070	3,710	1,078	857	1,664	6,929	6,930	6,930		
1960	Dry	3,989	2,697	2,326	3,185	2,240	2,432	300	1,222	1,522	6,915	6,008	6,922		
1961	Dry	1,518	4,160	6,989	3,291	2,049	3,302	758	802	85	7,077	3,425	2,913		
1962	Below Normal	853	2,680	2,928	2,484	3,134	3,833	938	700	1,712	7,180	7,079	6,680		
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680		
1964	Dry	3,980	6,680	6,040	3,400	2,737	2,177	700	700	300	6,915	4,227	6,698		
1965	Wet	2,938	3,011	3,905	5,448	4,366	4,221	1,064	700	2,832	7,005	7,180	6,563		
1966	Below Normal	3,269	5,172	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930		
1967	Wet	3,383	3,784	3,806	3,725	3,622	4,482	1,840	1,641	6,274	6,970	7,180	6,680		
1968	Below Normal	4,030	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930		
1969	Wet	4,513	4,040	7,046	3,920	5,106	4,065	2,441	4,567	6,680	6,680	6,680	4,445		
1970	Wet	4,011	300	4,112	8,500	6,863	6,647	700	700	1,844	7,115	7,030	4,104		
1971	Wet	3,560	5,473	3,949	3,305	3,363	4,041	878	700	2,647	7,005	7,180	6,680		
1972	Below Normal	3,542	344	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078		
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,021		
1974	Wet	5,387	6,680	4,414	4,232	3,930	5,061	959	700	3,430	7,005	7,180	6,680		
1975	Wet	4,371	2,601	7,133	3,388	3,229	5,600	886	700	3,755	7,005	7,180	6,680		
1976	Critical	6,057	1,713	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,455	6,953		
1977	Critical	3,210	1,461	1,177	1,763	697	300	300	557	263	552	300	1,369		
1978	Above Normal	300	1,670	2,932	2,880	4,333	4,440	1,359	1,121	4,142	7,005	7,180	6,680		
1979	Below Normal	3,879	3,586	7,110	3,922	5,295	4,769	864	1,116	1,955	7,005	7,180	5,992		
1980	Above Normal	5,407	3,165	7,071	4,247	6,011	4,493	879	905	4,393	7,005	6,441	3,137		
1981	Dry	3,697	382	7,054	3,391	3,394	2,472	1,134	898	1,648	6,929	5,869	6,930		
1982	Wet	3,319	6,680	3,662	3,848	7,893	7,409	6,125	2,054	4,699	7,005	7,180	6,680		
1983	Wet	6,680	6,680	7,678	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350		
1984	Wet	6,451	6,100	6,760	6,720	6,785	6,533	837	700	2,030	6,680	6,934	5,819		
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779		
1986	Wet	4,566	5,784	4,274	2,133	6,390	7,561	1,502	1,246	4,366	7,115	6,691	5,554		
1987	Dry	3,600	399	7,077	3,296	3,360	2,351	550	1,794	1,631	4,838	1,054	2,302		
1988	Critical	460	848	3,319	2,335	457	1,652	1,018	972	300	5,025	300	1,262		
1989	Dry	300	2,941	3,072	3,172	1,112	1,207	1,130	815	2,355	6,915	6,309	7,160		
1990	Critical	3,340	2,303	3,280	3,080	2,160	1,023	300	915	241	6,929	647	1,823		
1991	Critical	374	505	1,287	300	1,271	1,276	1,021	856	2,097	6,977	339	614		
1992	Critical	710	524	1,386	1,335	1,696	2,393	700	700	1,445	1,590	300	2,132		
1993	Above Normal	1,925	493	3,425	3,138	4,135	3,936	700	700	3,963	7,005	7,180	6,680		
1994	Critical	3,937	1,073	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,822	3,447		
1995	Wet	927	1,953	3,450	2,990	3,630	7,561	1,414	2,581	5,728	6,680	7,180	6,680		
1996	Wet	2,828	2,491	3,774	2,814	7,838	6,533	1,011	930	3,353	7,005	7,180	6,680		
1997	Wet	2,945	1,823	7,678	8,500	8,500	7,120	700	700	2,772	6,055	7,030	6,680		
1998	Wet	3,190	2,035	7,048	3,003	8,500	7,561	1,682	1,807	6,680	6,843	7,180	6,680		
1999	Wet	6,680	6,680	4,041	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,841		
2000	Above Normal	2,585	481	6,989	2,220	5,102	5,654	827	700	2,622	6,670	7,030	6,680		
2001	Dry	2,793	1,225	6,856	3,464	3,050	2,973	1,002	733	1,617	6,855	773	3,372		
2002	Dry	300	3,222	3,914	2,649	3,867	2,604	740	700	1,672	6,929	2,757	6,894		
2003	Above Normal	300	1,710	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680		

Simulated Delta Outflow (Node C406)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,582	38,547	27,287	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,449	28,507	15,652	9,731	28,544	18,759	7,395	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,861	12,829	9,729	6,838	4,554	4,000	4,057	4,265	3,000
1925	Dry	3,000	4,746	6,968	8,197	71,022	12,819	29,103	17,529	6,052	5,000	3,908	3,763
1926	Dry	4,000	4,500	4,500	13,736	45,784	12,516	26,064	10,317	5,313	5,000	3,771	3,000
1927	Wet	4,000	13,471	14,309	32,183	123,586	41,799	52,715	27,489	13,238	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,846	22,620	83,504	27,647	10,514	8,357	10,796	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,767	18,724	16,275	30,158	12,393	9,335	7,031	5,000	3,968	3,539
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,859	13,675	17,089	14,946	10,448	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,220	7,772	13,453	9,558	8,078	7,243	4,000	3,028	3,000
1934	Critical	3,237	4,257	9,674	14,258	14,096	10,625	9,673	7,031	7,100	4,000	3,595	3,000
1935	Below Normal	3,000	6,205	3,680	28,620	10,144	27,101	53,978	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,130	80,304	32,439	27,832	17,506	9,319	6,500	4,000	4,026
1937	Below Normal	4,000	4,500	5,300	10,571	46,723	49,321	27,840	20,023	10,540	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,701	27,585	146,268	168,808	78,004	68,333	38,112	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,679	6,871	8,329	10,184	9,673	9,107	5,750	5,000	4,072	4,128
1940	Above Normal	4,000	4,500	4,500	34,080	64,932	108,798	71,910	18,365	6,166	10,339	4,000	11,563
1941	Wet	5,938	10,625	37,481	97,479	117,345	89,197	77,818	48,377	13,338	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,432	136,485	23,690	54,800	40,451	22,690	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,410	79,608	54,829	86,051	33,920	19,695	7,679	10,339	4,000	19,531
1944	Dry	7,500	12,514	5,090	11,278	23,061	18,762	12,498	10,389	6,508	5,000	3,783	3,036
1945	Below Normal	4,000	6,001	10,828	9,268	52,936	22,234	17,088	15,811	7,282	6,500	4,000	3,868
1946	Below Normal	4,284	5,028	67,028	46,193	15,036	18,055	18,055	16,160	6,692	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,450	7,464	14,019	20,031	13,169	8,135	7,100	5,000	4,311	3,695
1948	Below Normal	4,000	4,500	4,508	12,625	11,145	13,395	26,934	30,180	14,799	6,500	4,000	4,047
1949	Dry	4,000	4,500	6,235	7,620	7,982	46,552	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,862	35,749	16,395	22,187	15,303	7,636	6,643	4,000	4,212
1951	Above Normal	4,423	44,786	100,165	67,172	69,478	29,251	18,776	19,060	5,813	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,696	82,178	74,675	62,784	75,164	75,194	37,257	11,708	6,560	18,906
1953	Wet	9,375	13,340	28,655	99,143	20,989	16,041	19,421	26,445	20,631	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,848	23,333	52,065	43,369	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,837	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,906	3,531
1956	Wet	4,000	4,500	91,250	163,624	82,041	37,916	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,920	44,636	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	117,613	103,525	55,788	30,546	8,000	6,031	18,125
1959	Below Normal	9,219	13,595	5,072	21,540	48,739	12,078	10,577	9,621	7,100	8,308	4,000	4,606
1960	Dry	4,000	4,500	4,500	8,897	28,519	17,241	12,125	9,388	6,422	5,099	4,211	3,926
1961	Dry	4,000	5,699	8,487	8,976	33,039	13,935	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,448	6,000	57,823	21,151	15,972	14,331	6,167	7,346	4,000	3,798
1963	Wet	29,357	5,771	23,187	16,740	74,782	23,450	97,294	30,772	8,479	10,645	4,000	20,078
1964	Dry	7,813	15,625	4,655	20,288	9,684	7,912	10,189	10,218	7,856	5,000	3,901	4,278
1965	Wet	4,000	11,219	78,769	113,428	32,999	17,253	50,528	20,619	9,868	8,627	4,000	20,000
1966	Below Normal	7,813	15,469	6,711	24,645	20,514	18,743	13,495	10,198	6,422	8,292	4,000	4,279
1967	Wet	4,000	9,620	35,377	49,973	50,705	55,955	57,456	57,721	41,627	14,314	4,931	19,531
1968	Below Normal	8,125	13,813	5,218	21,833	58,583	30,016	11,290	10,961	6,258	8,649	4,000	3,722
1969	Wet	4,000	5,845	15,103	118,572	135,706	66,477	60,224	64,655	34,667	8,000	4,000	22,188
1970	Wet	7,031	14,607	52,271	207,212	75,482	37,004	13,563	13,225	7,610	10,840	4,000	18,594
1971	Wet	8,438	15,313	49,791	47,951	19,098	41,070	26,094	29,829	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,347	4,000	11,875
1974	Wet	6,094	51,156	63,984	131,775	38,719	107,386	69,175	24,178	15,301	8,000	5,589	18,594
1975	Wet	8,438	14,544	5,568	10,130	57,405	82,799	26,916	31,984	20,652	8,000	4,182	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,237	3,477	3,008	3,008
1977	Critical	5,618	3,500	4,433	6,427	7,714	7,239	7,100	4,000	4,000	4,000	3,312	3,000
1978	Above Normal	3,628	3,941	10,777	67,598	50,897	69,286	47,894	25,804	14,740	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,029	20,962	33,570	27,212	18,827	20,299	7,817	6,500	4,000	3,221
1980	Above Normal	4,000	12,141	10,723	106,942	132,004	61,857	21,767	19,088	12,378	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,215	19,051	22,375	24,102	14,012	9,083	7,100	5,000	4,048	4,459
1982	Wet	4,000	27,889	85,349	75,861	99,591	83,030	140,148	47,504	20,816	8,000	4,518	18,750
1983	Wet	15,097	41,206	83,302	109,093	177,813	259,856	89,969	80,191	71,445	33,993	16,957	24,769
1984	Wet	13,604	81,647	156,943	63,546	36,629	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	212,647	144,060	26,875	20,732	11,012	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,051	9,480	15,543	22,759	8,904	7,727	7,100	5,000	3,771	3,000
1988	Critical	4,000	4,500	12,444	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,579	4,648	4,695	7,511	8,636	48,435	19,688	11,116	5,781	5,000	4,232	4,929
1990	Critical	4,000	4,500	4,500	14,125	11,400	11,358	10,062	6,753	4,000	4,000	3,914	3,000
1991	Critical	3,336	4,031	3,500	9,616	7,407	33,304	10,482	5,114	4,000	4,275	3,394	3,000
1992	Critical	4,358	3,500	3,695	8,553	32,764	16,472	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,954	3,935	7,801	63,669	55,657	39,291	40,052	27,708	23,456	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,611	19,108	8,421	11,274	8,544	4,153	4,000	4,264	3,000
1995	Wet	4,454	3,500	9,781	113,084	51,076	210,596	67,878	83,985	41,904	22,187	9,297	13,750
1996	Wet	11,875	12,555	18,160	47,468	123,503	68,278	46,005	48,657	11,021	8,000	4,000	21,250
1997	Wet	7,813	15,625	78,366	278,487	72,312	21,727	19,106	14,431	6,858	11,454	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,984	221,879	81,743	62,932	59,459	73,844	28,384	12,379	19,494
1999	Wet	8,839	20,119	30,415	39,856	93,073	30,201	21,749	11,220	21,749	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,572	21,813	111,009	63,064	22,048	18,923	6,284	10,438	4,000	11,719
2001	Dry	5,781	10,469	4,775	13,264	23,780	22,927	12,660	8,216	7,100	5,000	4,046	3,000
2002	Dry	4,000	5,758	27,611	48,492	14,232	17,039	16,513	12,956	4,816	5,000	4,555	3,728
2003	Above Normal	4,000	4,500	38,330	61,320	20,609	17,826	28,890	43,216	7,785	8,516	4,000	11

Simulated Delta Outflow (Node C406)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,584	38,543	27,293	28,926	56,314	37,312	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,193	28,436	15,652	9,747	28,497	18,261	7,078	6,500	4,000	4,548
1924	Critical	4,294	4,500	4,500	7,852	12,804	9,729	6,845	4,559	4,000	4,000	3,977	3,000
1925	Dry	3,000	4,749	6,969	8,195	71,005	12,816	29,099	17,527	6,061	5,000	3,871	3,722
1926	Dry	4,000	4,500	4,500	13,741	45,934	12,516	26,049	10,317	5,313	5,030	3,790	3,000
1927	Wet	4,000	13,516	14,369	32,212	124,208	41,796	52,725	27,495	13,243	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,809	20,847	22,621	83,497	27,649	10,515	8,356	10,780	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,135	9,013	7,691	7,100	7,243	4,000	3,071	3,000
1930	Dry	3,000	4,172	12,772	18,729	16,278	30,143	12,393	9,335	7,031	5,000	3,970	3,538
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,501	7,817	5,389	4,000	4,000	3,846	3,000
1932	Dry	3,000	3,874	13,678	17,090	15,012	10,444	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,222	7,772	13,454	9,558	7,825	7,243	4,000	3,036	3,000
1934	Critical	3,110	4,544	9,367	14,204	14,100	10,625	9,673	7,031	7,100	4,000	3,597	3,000
1935	Below Normal	3,000	6,212	3,680	28,622	10,147	27,104	53,981	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,136	79,238	32,442	27,832	17,506	9,319	6,500	4,000	4,036
1937	Below Normal	4,000	4,500	5,298	10,573	45,413	47,828	27,004	18,017	11,185	6,500	4,000	3,000
1938	Wet	4,000	16,452	62,728	27,472	143,457	165,321	76,567	71,063	36,874	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,517	6,903	8,329	10,203	9,673	9,105	5,751	5,000	3,979	4,070
1940	Above Normal	4,000	4,500	4,500	34,106	64,579	108,696	71,908	18,365	6,166	10,338	4,000	11,563
1941	Wet	5,938	10,625	36,992	97,325	115,602	89,224	77,818	47,799	13,255	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,032	78,141	136,393	23,691	54,803	40,456	22,694	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,415	78,140	54,777	84,129	33,783	19,595	7,673	10,183	4,000	19,688
1944	Dry	7,344	12,514	5,086	11,309	23,084	18,782	12,498	10,390	6,508	5,000	3,778	3,035
1945	Below Normal	4,000	5,990	10,813	9,255	52,191	22,234	16,590	15,313	6,810	6,500	4,000	3,868
1946	Below Normal	4,130	5,443	68,873	46,181	15,036	17,373	18,058	16,159	6,869	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,456	7,464	14,019	20,042	13,168	8,136	7,100	5,000	4,307	3,685
1948	Below Normal	4,000	4,500	4,512	12,626	11,145	13,396	26,934	30,176	14,799	6,500	4,000	4,044
1949	Dry	4,000	4,500	6,236	7,620	7,982	46,560	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,898	35,749	16,395	22,187	15,303	7,636	6,642	4,000	4,212
1951	Above Normal	4,423	44,786	97,266	66,271	69,141	29,251	18,776	19,060	5,814	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,697	82,114	74,695	62,337	74,263	73,043	36,349	11,730	6,572	18,750
1953	Wet	9,531	13,340	27,241	99,674	20,996	16,044	19,422	26,482	20,632	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,849	23,442	52,093	43,368	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,836	17,366	8,906	12,781	8,160	11,712	6,520	5,000	3,905	3,440
1956	Wet	4,000	4,500	90,518	160,022	81,602	37,497	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,173	14,920	44,607	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,279	39,116	150,855	116,504	102,489	54,096	30,267	8,000	6,029	18,125
1959	Below Normal	9,219	13,595	5,071	21,465	48,715	12,077	10,578	9,622	7,100	8,321	4,000	4,596
1960	Dry	4,000	4,500	4,500	8,896	28,518	17,243	12,125	9,388	6,422	5,099	4,223	3,928
1961	Dry	4,000	5,706	8,480	8,974	33,035	13,934	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,449	6,000	57,824	21,152	15,972	14,331	6,167	7,346	4,000	3,799
1963	Wet	29,358	5,771	23,187	16,739	74,775	23,450	97,294	30,772	8,479	10,646	4,000	20,078
1964	Dry	7,813	15,625	4,648	20,292	9,684	7,912	10,189	10,218	7,857	5,000	3,903	4,278
1965	Wet	4,000	11,219	78,771	113,367	32,999	17,254	50,533	20,619	9,867	8,629	4,000	20,000
1966	Below Normal	7,813	15,469	6,716	24,643	20,513	18,933	13,531	10,198	6,422	8,305	4,000	4,248
1967	Wet	4,000	9,617	35,405	49,972	50,705	55,955	56,497	55,985	40,398	12,483	4,932	19,688
1968	Below Normal	8,125	13,813	5,218	21,665	56,319	30,055	11,290	10,961	6,219	8,688	4,000	3,722
1969	Wet	4,000	5,782	15,084	117,903	132,360	63,367	58,601	61,370	32,420	8,000	4,000	21,875
1970	Wet	7,188	14,607	52,158	207,201	75,548	36,937	13,563	13,225	7,619	10,832	4,000	18,594
1971	Wet	8,438	15,313	49,795	47,950	19,098	41,086	26,093	29,829	14,859	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,271	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,774	80,290	88,155	54,599	19,666	19,045	9,383	8,646	4,000	11,875
1974	Wet	6,094	50,766	63,983	131,410	38,717	107,385	69,161	24,175	15,302	8,000	5,591	18,594
1975	Wet	8,438	14,544	5,570	10,128	56,871	82,881	26,914	31,983	20,651	8,000	4,180	19,375
1976	Critical	8,281	15,625	5,094	6,483	7,990	9,120	4,000	4,000	4,401	4,250	3,461	3,009
1977	Critical	5,623	3,500	4,425	6,448	7,714	7,239	7,100	4,000	4,000	4,000	3,323	3,000
1978	Above Normal	3,616	3,950	10,752	67,596	50,290	68,678	45,918	23,795	13,164	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,039	20,986	33,242	27,096	18,851	20,303	7,817	6,500	4,000	3,693
1980	Above Normal	4,284	11,288	10,744	104,331	126,639	60,501	21,769	19,089	12,177	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,218	18,744	21,291	24,997	13,976	9,077	7,100	5,000	4,038	4,408
1982	Wet	4,000	28,608	85,206	75,836	99,533	82,143	136,373	45,307	20,197	8,000	4,515	18,750
1983	Wet	15,095	40,104	81,677	106,941	177,614	259,729	89,800	80,019	70,896	33,969	16,956	24,768
1984	Wet	13,603	81,610	156,917	63,519	36,608	34,934	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,683	11,910	9,950	11,354	11,620	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,468	22,424	210,728	139,366	26,731	19,601	10,689	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,047	9,494	15,551	22,760	8,904	7,727	7,100	5,000	3,775	3,000
1988	Critical	4,000	4,500	12,443	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,578	4,644	4,701	7,508	8,636	48,438	19,688	11,116	5,781	5,000	4,207	4,928
1990	Critical	4,000	4,500	4,500	14,123	11,400	11,357	10,063	6,753	4,000	4,000	3,913	3,000
1991	Critical	3,338	4,028	3,500	9,620	7,407	33,301	10,480	5,113	4,000	4,265	3,396	3,000
1992	Critical	4,363	3,500	3,689	8,575	32,761	16,470	9,711	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,952	3,938	7,800	63,667	55,653	39,334	40,052	27,709	23,458	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,608	19,106	8,420	11,274	8,544	4,153	4,000	4,265	3,000
1995	Wet	4,453	3,500	9,781	113,070	51,075	208,711	66,554	87,201	39,908	21,495	9,297	13,750
1996	Wet	11,875	12,555	17,679	47,379	122,695	67,988	46,037	48,636	11,024	8,000	4,000	21,250
1997	Wet	7,813	15,625	75,890	272,657	71,095	21,727	19,106	14,191	6,761	11,552	4,000	18,594
1998	Wet	7,813	15,313	10,646	46,970	219,302	80,669	62,061	57,811	70,713	26,975	12,394	19,507
1999	Wet	8,908	20,132	30,421	39,854	93,071	30,200	21,748	11,219	8,000	4,000	20,000	20,000
2000	Above Normal	7,500	15,354	4,577	21,750	11,095	63,020	22,045	18,923	6,283	10,434	4,000	11,719
2001	Dry	5,781	10,469	4,713	13,268	23,784	22,928	12,660	8,216	7,100	5,000	4,068	3,000
2002	Dry	4,000	5,758	27,611	48,502	14,232	17,038	16,513	12,956	4,816	5,000	4,527	3,796
2003	Above Normal	4,000	4,500	38,215	61,322	20,608	17,825	28,889	43,216	7,785	8,516	4,000	11,

Change in Simulated Delta Outflow (Node C406)
 Alternative 2 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	1	-4	6	-8	-13	-24	0	0	0
1923	Below Normal	0	0	-256	-70	0	16	-47	-497	-317	0	0	0
1924	Critical	294	0	0	-9	-25	0	6	5	0	-57	-288	0
1925	Dry	0	3	1	-2	-17	-3	-4	-1	10	0	-37	-40
1926	Dry	0	0	0	5	150	0	-15	0	0	30	19	0
1927	Wet	0	46	60	29	622	-3	9	6	5	0	0	0
1928	Above Normal	0	0	1	1	1	-7	2	1	-1	-16	0	0
1929	Critical	0	0	0	1	0	0	0	0	0	0	-86	0
1930	Dry	0	45	5	5	3	-15	0	0	0	0	2	-1
1931	Critical	0	0	0	0	0	-5	0	0	0	0	-4	0
1932	Dry	0	16	2	2	66	-4	0	0	0	0	0	0
1933	Critical	0	0	0	2	0	1	0	-253	0	0	8	0
1934	Critical	-127	287	-307	-54	4	0	0	0	0	0	2	0
1935	Below Normal	0	7	0	3	2	2	2	0	0	0	0	0
1936	Below Normal	0	0	0	6	-1,067	3	0	0	0	0	0	10
1937	Below Normal	0	0	-1	2	-1,310	-1,493	-836	-2,007	646	0	0	0
1938	Wet	0	1	27	-113	-2,811	-3,486	-1,437	2,730	-1,238	0	0	0
1939	Dry	0	0	-162	31	0	19	0	-2	1	0	-93	-58
1940	Above Normal	0	0	0	26	-353	-101	-2	0	0	-1	0	0
1941	Wet	0	0	-489	-154	-1,743	28	0	-578	-84	0	0	0
1942	Wet	0	0	1	-291	-92	1	3	5	4	0	0	0
1943	Wet	0	0	5	-1,468	-52	-1,922	-137	-100	-7	-156	0	156
1944	Dry	-156	0	-4	31	24	19	1	0	0	0	-4	0
1945	Below Normal	0	-11	-15	-13	-745	0	-498	-498	-472	0	0	0
1946	Below Normal	-154	414	1,845	-12	0	-682	3	-1	177	0	0	0
1947	Dry	0	0	7	0	1	10	-2	1	0	0	-4	-10
1948	Below Normal	0	0	4	0	0	1	0	-4	0	0	0	-4
1949	Dry	0	0	1	0	0	7	0	0	0	0	0	0
1950	Below Normal	0	0	0	36	0	0	0	0	0	-1	0	0
1951	Above Normal	-1	1	-2,899	-902	-337	0	0	0	1	-1	0	0
1952	Wet	0	0	1	-64	19	-447	-901	-2,151	-908	22	11	-156
1953	Wet	156	0	-1,414	531	7	3	1	37	1	0	0	0
1954	Above Normal	0	0	1	110	28	0	0	0	0	0	0	0
1955	Dry	0	0	-1	0	0	0	0	0	0	0	-1	-92
1956	Wet	0	0	-731	-3,602	-439	-419	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	-1	-30	0	0	0	0	0	0
1958	Wet	0	0	-1	-1	-1	-1,109	-1,035	-1,692	-279	0	-1	0
1959	Below Normal	0	0	-1	-75	-24	-1	1	1	0	14	0	-10
1960	Dry	0	0	0	-1	-1	1	0	0	0	0	11	1
1961	Dry	0	7	-7	-3	-3	-1	0	0	0	0	0	0
1962	Below Normal	0	0	1	0	1	0	0	0	0	0	0	0
1963	Wet	1	0	0	-1	-7	0	0	0	0	1	0	0
1964	Dry	0	0	-7	4	0	0	0	0	0	0	2	0
1965	Wet	0	0	1	-61	0	1	5	0	-1	2	0	0
1966	Below Normal	0	0	5	-2	-1	190	36	0	0	13	0	-31
1967	Wet	0	-3	27	-1	0	0	-958	-1,736	-1,229	-1,829	1	156
1968	Below Normal	0	0	0	-168	-2,265	39	0	0	-39	39	0	0
1969	Wet	0	-63	-19	-669	-3,347	-3,109	-1,623	-3,285	-2,247	0	0	-313
1970	Wet	156	0	-112	-10	66	-67	0	0	9	-8	0	0
1971	Wet	0	0	4	0	0	16	-1	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	4	0	0	0	0	0	0
1973	Above Normal	0	0	-1	0	-1	0	0	0	0	-1	0	0
1974	Wet	0	-390	0	-365	-2	-1	-14	-4	1	0	1	0
1975	Wet	0	0	3	-2	-535	82	-2	-1	-1	0	-2	0
1976	Critical	0	0	0	-1	0	0	0	0	0	12	-16	1
1977	Critical	5	0	-8	21	0	0	0	0	0	0	12	0
1978	Above Normal	-12	9	-25	-3	-607	-608	-1,976	-2,009	-1,576	0	0	0
1979	Below Normal	0	0	10	23	-329	-116	24	4	0	0	0	472
1980	Above Normal	284	-853	21	-2,611	-5,365	-1,357	2	1	-201	0	0	0
1981	Dry	0	0	3	-307	-1,084	895	-36	-6	0	0	-10	-51
1982	Wet	0	718	-144	-25	-58	-887	-3,775	-2,197	-619	0	-3	0
1983	Wet	-2	-1,102	-1,625	-2,152	-198	-128	-169	-172	-549	-24	-1	-1
1984	Wet	-1	-37	-26	-27	-22	-1	0	0	0	0	0	0
1985	Dry	0	-7	-1	-1	-1	-1	0	0	0	0	0	0
1986	Wet	0	0	-1	-1	-1,919	-4,694	-145	-1,131	-322	0	0	0
1987	Dry	0	0	-3	14	8	2	0	0	0	0	5	0
1988	Critical	0	0	-1	0	0	0	0	0	0	0	0	0
1989	Dry	-1	-4	6	-3	0	3	-1	0	0	0	-25	-2
1990	Critical	0	0	0	-2	0	-1	0	0	0	0	-1	0
1991	Critical	1	-3	0	5	0	-2	-2	-2	0	-10	2	0
1992	Critical	5	0	-6	22	-2	-2	-1	0	0	0	0	0
1993	Above Normal	-1	3	-1	-2	-4	42	0	1	2	0	0	0
1994	Critical	0	0	0	-2	-2	-1	0	0	0	0	1	0
1995	Wet	-1	0	0	-14	-1	-1,884	-1,324	3,216	-1,996	-691	0	0
1996	Wet	0	0	-481	-89	-808	-290	31	-22	3	0	0	0
1997	Wet	0	0	-2,476	-5,829	-1,217	0	0	-240	-97	98	0	0
1998	Wet	0	0	0	-14	-2,577	-1,073	-870	-1,648	-3,131	-1,409	15	13
1999	Wet	69	13	6	-1	-2	24	-1	-1	-1	0	0	0
2000	Above Normal	0	0	4	-63	87	-44	-3	0	-1	-5	0	0
2001	Dry	0	0	-62	4	5	2	0	0	0	0	22	0
2002	Dry	0	0	0	10	0	-1	0	0	0	0	-28	69
2003	Above Normal	0	0	-115	2	-1	0	0	0	0	0	0	0

Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	215	233	306	389	439	348	217	247	524	503	342	292
1923	Above Normal	303	333	427	439	439	439	437	506	458	364	237	214
1924	Critical	248	294	321	348	344	344	380	376	276	182	145	165
1925	Below Normal	150	149	179	212	270	248	308	378	369	289	193	183
1926	Dry	208	227	261	292	323	322	428	523	452	287	173	176
1927	Above Normal	178	217	279	334	439	454	461	470	489	402	255	213
1928	Below Normal	233	309	362	408	417	466	488	523	442	276	181	179
1929	Critical	161	154	175	198	192	167	195	274	250	183	148	179
1930	Critical	154	136	152	179	192	174	251	255	263	181	146	179
1931	Critical	171	180	199	223	239	203	250	264	205	148	131	155
1932	Above Normal	144	131	194	265	408	408	389	424	477	426	269	220
1933	Dry	231	254	282	320	310	305	303	226	282	241	170	183
1934	Critical	184	180	227	283	305	342	429	403	298	195	159	170
1935	Above Normal	160	161	203	276	336	300	347	475	513	388	240	205
1936	Above Normal	222	253	283	335	439	479	524	524	501	380	242	205
1937	Wet	212	235	282	329	439	479	466	524	524	421	265	220
1938	Wet	238	266	428	439	421	397	361	307	524	524	422	346
1939	Dry	357	374	408	439	439	478	524	505	386	249	156	166
1940	Above Normal	180	175	191	322	414	475	499	524	504	335	180	156
1941	Wet	166	188	288	412	439	448	409	435	524	523	378	304
1942	Wet	311	335	430	439	439	465	421	399	524	500	346	288
1943	Wet	301	354	410	412	439	479	524	524	496	379	244	210
1944	Below Normal	217	243	276	318	331	337	312	367	352	269	185	187
1945	Above Normal	201	247	315	369	439	457	442	458	470	406	265	225
1946	Above Normal	272	353	439	439	439	451	474	523	492	355	218	193
1947	Dry	218	289	386	439	439	465	472	523	418	266	170	178
1948	Below Normal	175	175	196	220	212	151	166	228	293	236	159	174
1949	Below Normal	193	199	228	258	265	238	285	374	384	251	167	179
1950	Below Normal	195	203	233	286	349	324	394	457	434	297	183	184
1951	Above Normal	204	359	381	439	439	453	443	435	388	278	188	188
1952	Wet	194	200	277	428	421	391	374	480	524	521	408	343
1953	Below Normal	336	341	387	439	439	440	442	393	331	279	191	190
1954	Below Normal	190	192	219	260	293	301	379	495	450	317	200	181
1955	Dry	193	208	251	304	328	311	285	297	344	242	171	182
1956	Wet	182	181	351	351	439	479	413	368	446	412	289	240
1957	Below Normal	265	293	326	373	395	390	357	357	410	309	206	200
1958	Wet	216	230	284	336	406	373	393	453	524	502	371	313
1959	Dry	311	316	337	388	436	478	523	497	400	254	147	177
1960	Critical	179	169	183	205	229	217	306	337	293	196	160	174
1961	Critical	166	183	222	249	272	236	297	295	242	159	147	167
1962	Below Normal	157	147	177	206	357	322	362	429	488	402	255	216
1963	Above Normal	234	260	284	335	439	449	412	421	461	404	265	230
1964	Dry	249	321	375	418	404	400	411	403	349	230	168	178
1965	Wet	163	177	314	439	439	411	364	378	400	335	260	228
1966	Below Normal	240	342	429	439	439	477	523	523	424	258	153	159
1967	Wet	147	158	377	439	439	388	369	333	524	524	444	363
1968	Dry	302	290	313	353	335	378	428	432	350	236	160	171
1969	Wet	166	186	241	351	379	248	188	421	524	524	445	354
1970	Above Normal	318	320	359	439	439	479	471	475	449	311	208	200
1971	Below Normal	199	221	304	384	415	401	404	397	367	263	183	190
1972	Dry	204	220	288	339	361	413	385	386	338	210	137	178
1973	Above Normal	175	189	242	324	414	407	305	469	524	398	254	216
1974	Wet	243	336	439	439	439	459	407	470	523	404	274	236
1975	Wet	256	289	335	385	421	450	365	370	496	389	239	211
1976	Critical	267	332	371	402	413	440	457	439	313	185	144	182
1977	Critical	184	188	200	218	222	224	245	218	184	143	131	151
1978	Wet	139	131	208	367	439	479	410	430	524	524	434	439
1979	Above Normal	393	391	414	439	439	479	515	524	509	363	228	200
1980	Wet	222	262	305	380	405	473	489	503	524	524	416	349
1981	Dry	354	368	402	439	439	464	476	521	439	272	179	184
1982	Wet	179	230	300	422	439	441	524	524	524	523	440	440
1983	Wet	439	432	418	412	439	464	272	161	524	524	515	454
1984	Above Normal	404	437	407	439	439	478	471	515	461	333	225	213
1985	Dry	234	287	341	392	403	407	475	522	421	267	165	181
1986	Wet	183	203	276	371	393	479	506	494	524	456	313	273
1987	Critical	301	322	349	388	391	416	469	479	379	253	167	171
1988	Critical	170	175	204	265	284	276	344	355	295	197	160	178
1989	Critical	157	144	171	200	214	236	339	379	316	203	159	180
1990	Critical	176	173	199	231	242	234	324	310	246	180	155	168
1991	Critical	153	134	150	167	158	167	177	216	256	183	147	186
1992	Critical	171	168	198	231	273	266	371	414	305	204	163	176
1993	Wet	159	151	189	377	439	419	351	444	520	506	358	302
1994	Critical	318	335	369	412	415	446	481	485	404	262	169	177
1995	Wet	197	222	275	439	439	468	412	382	524	524	489	385
1996	Wet	292	269	300	366	439	479	453	524	524	414	280	244
1997	Wet	258	358	429	351	422	479	523	524	464	336	206	186
1998	Wet	202	237	285	395	439	441	497	348	524	524	452	364
1999	Above Normal	307	309	344	409	421	445	420	472	484	334	212	201
2000	Above Normal	215	226	254	336	411	466	498	523	515	357	223	197
2001	Dry	217	244	274	313	316	357	374	477	400	252	168	179
2002	Dry	168	172	237	306	332	315	399	443	404	277	175	175
2003	Below Normal	167	213	265	333	367	353	312	363	425	282	188	185

Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Alternative 2 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	125	107	34	-49	-99	-8	123	93	-184	-163	-2	48
1923	Above Normal	37	7	-87	-99	-99	-99	-97	-166	-118	-24	103	126
1924	Critical	92	47	19	-8	-4	-4	-40	-36	64	158	195	175
1925	Below Normal	190	191	161	128	70	92	32	-38	-29	52	147	157
1926	Dry	132	114	79	48	17	19	-88	-183	-112	53	167	165
1927	Above Normal	162	123	61	6	-99	-113	-121	-130	-149	-62	85	127
1928	Below Normal	108	31	-22	-68	-76	-126	-148	-183	-102	64	159	161
1929	Critical	180	187	165	142	148	173	145	66	90	157	192	161
1930	Critical	186	205	188	161	148	167	89	85	77	159	194	162
1931	Critical	169	160	141	117	101	137	90	76	135	192	209	185
1932	Above Normal	196	209	146	75	-68	-68	-49	-84	-137	-86	71	120
1933	Dry	109	86	58	20	30	36	38	114	58	99	170	157
1934	Critical	156	160	113	57	35	-2	-89	-63	42	145	181	171
1935	Above Normal	180	179	137	64	4	40	-7	-134	-173	-48	100	136
1936	Above Normal	118	87	57	5	-99	-138	-184	-184	-161	-40	99	135
1937	Wet	128	105	58	11	-99	-138	-126	-184	-184	-81	75	120
1938	Wet	102	74	-88	-99	-80	-57	-21	33	-75	-75	-82	-6
1939	Dry	-17	-34	-68	-99	-99	-138	-184	-165	-46	91	184	174
1940	Above Normal	160	165	149	18	-74	-135	-159	-184	-163	5	160	185
1941	Wet	175	152	53	-72	-99	-108	-69	-95	-184	-183	-38	36
1942	Wet	30	5	-90	-99	-99	-125	-81	-59	-184	-160	-6	52
1943	Wet	39	-14	-70	-72	-99	-138	-184	-184	-156	-38	96	130
1944	Below Normal	123	97	64	22	9	3	28	-26	-12	72	155	153
1945	Above Normal	140	93	25	-29	-99	-117	-102	-118	-130	-66	76	115
1946	Above Normal	68	-13	-99	-99	-99	-111	-133	-183	-152	-15	122	147
1947	Dry	122	52	-46	-99	-99	-125	-132	-183	-78	75	170	162
1948	Below Normal	165	165	144	120	128	189	174	112	48	104	181	166
1949	Below Normal	147	141	112	82	75	103	55	-34	-44	89	173	161
1950	Below Normal	145	137	107	54	-8	16	-53	-117	-94	43	157	156
1951	Above Normal	136	-19	-41	-99	-99	-113	-103	-95	-48	62	152	152
1952	Wet	146	140	63	-88	-81	-51	-34	-140	-184	-181	-68	-3
1953	Below Normal	4	-1	-47	-99	-99	-100	-102	-53	9	61	150	150
1954	Below Normal	150	148	122	80	47	39	-39	-155	-110	23	141	159
1955	Dry	147	132	89	36	13	29	55	43	-4	98	169	158
1956	Wet	158	159	-2	4	-99	-138	-73	-28	-106	-72	51	100
1957	Below Normal	75	47	14	-33	-55	-50	-17	-17	-70	31	135	141
1958	Wet	124	110	56	4	-66	-33	-53	-113	-184	-161	-31	27
1959	Dry	30	24	4	-48	-95	-138	-183	-156	-60	86	193	163
1960	Critical	161	171	157	135	111	124	34	3	47	144	180	166
1961	Critical	175	157	118	91	68	104	44	45	98	181	193	173
1962	Below Normal	183	193	163	134	-17	18	-22	-89	-147	-62	85	124
1963	Above Normal	106	80	56	6	-99	-109	-72	-81	-121	-64	75	110
1964	Dry	91	19	-35	-78	-64	-60	-71	-63	-9	110	172	162
1965	Wet	177	163	26	-98	-99	-71	-24	-38	-60	6	80	112
1966	Below Normal	100	-2	-89	-99	-99	-137	-183	-183	-84	82	187	181
1967	Wet	193	182	-37	-99	-99	-48	-29	7	-184	-95	-104	-23
1968	Dry	38	50	27	-12	5	-38	-88	-92	-10	104	180	169
1969	Wet	174	154	99	6	-39	92	152	-81	-75	-75	-105	-14
1970	Above Normal	22	20	-19	-99	-99	-138	-131	-134	-109	29	132	140
1971	Below Normal	141	119	36	-44	-75	-61	-64	-57	-26	77	157	151
1972	Dry	137	120	52	1	-21	-73	-45	-46	2	130	203	162
1973	Above Normal	165	151	99	16	-74	-67	35	-129	-184	-58	86	124
1974	Wet	97	4	-99	-99	-99	-119	-67	-130	-183	-64	67	104
1975	Wet	84	52	5	-45	-81	-109	-25	-30	-156	-49	101	129
1976	Critical	73	8	-31	-62	-73	-100	-117	-99	28	155	197	158
1977	Critical	156	152	140	122	118	116	95	122	156	197	209	189
1978	Wet	201	209	132	-23	-99	-138	-70	-90	-184	-87	-94	-99
1979	Above Normal	-53	-51	-74	-99	-99	-138	-174	-137	-139	-23	112	140
1980	Wet	118	78	35	-40	-65	-133	-149	-163	-134	-75	-76	-8
1981	Dry	-14	-28	-62	-99	-99	-124	-136	-181	-99	68	161	156
1982	Wet	162	110	40	-81	-99	-101	-184	-184	-136	-134	-100	-100
1983	Wet	-99	-75	-75	-72	-99	-106	68	179	-75	-75	-96	-113
1984	Above Normal	-64	-75	-67	-75	-78	-83	-83	-110	-120	7	115	127
1985	Dry	106	54	-1	-51	-63	-66	-135	-182	-81	73	175	159
1986	Wet	157	137	64	-31	-53	-138	-166	-154	-128	-116	27	67
1987	Critical	39	19	-8	-48	-51	-76	-129	-139	-39	87	173	169
1988	Critical	170	165	136	75	56	65	-3	-15	45	143	180	162
1989	Critical	184	196	169	140	126	104	1	-39	24	137	181	160
1990	Critical	164	167	142	109	99	106	16	30	94	160	185	172
1991	Critical	187	206	190	173	182	173	163	125	84	157	193	154
1992	Critical	169	172	142	109	67	74	-31	-74	35	136	177	164
1993	Wet	182	189	151	-37	-99	-79	-11	-104	-180	-166	-18	38
1994	Critical	22	5	-29	-72	-75	-106	-141	-145	-64	78	171	163
1995	Wet	143	118	65	-95	-99	-128	-72	-42	-99	-75	-98	-45
1996	Wet	48	71	41	-26	-99	-117	-113	-78	-81	-74	60	96
1997	Wet	82	-17	-89	-10	-75	-75	-78	-75	-124	4	134	154
1998	Wet	138	104	55	-55	-99	-101	-157	-8	-167	-75	-112	-23
1999	Above Normal	33	31	-4	-69	-81	-105	-80	-131	-144	6	128	139
2000	Above Normal	126	114	86	4	-71	-125	-158	-183	-175	-17	117	143
2001	Dry	123	96	66	28	24	-17	-33	-137	-59	88	172	161
2002	Dry	172	169	103	34	8	25	-59	-103	-64	63	165	165
2003	Below Normal	173	127	75	7	-27	-13	28	-23	-85	59	152	155

**Percent Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)
From Existing Condition**

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	58%	46%	11%	-13%	-23%	-2%	57%	38%	-35%	-32%	-1%	17%
1923	Above Normal	12%	2%	-20%	-23%	-23%	-23%	-22%	-33%	-26%	-7%	44%	59%
1924	Critical	37%	16%	6%	-2%	-1%	-1%	-11%	-10%	23%	87%	134%	106%
1925	Below Normal	126%	128%	90%	61%	26%	37%	10%	-10%	-8%	18%	76%	86%
1926	Dry	64%	50%	30%	17%	5%	6%	-21%	-35%	-25%	19%	97%	94%
1927	Above Normal	91%	57%	22%	2%	-23%	-25%	-26%	-28%	-30%	-15%	33%	60%
1928	Below Normal	46%	10%	-6%	-17%	-18%	-27%	-30%	-35%	-23%	23%	88%	90%
1929	Critical	112%	121%	94%	72%	77%	104%	74%	24%	36%	86%	130%	90%
1930	Critical	121%	151%	123%	90%	77%	96%	36%	33%	29%	87%	133%	90%
1931	Critical	99%	89%	71%	52%	42%	68%	36%	29%	66%	130%	160%	119%
1932	Above Normal	137%	160%	76%	28%	-17%	-17%	-13%	-20%	-29%	-20%	27%	55%
1933	Dry	47%	34%	21%	6%	10%	12%	12%	50%	20%	41%	100%	86%
1934	Critical	85%	89%	50%	20%	12%	-1%	-21%	-16%	14%	74%	114%	101%
1935	Above Normal	112%	111%	68%	23%	1%	13%	-2%	-28%	-34%	-12%	42%	66%
1936	Above Normal	53%	34%	20%	2%	-23%	-29%	-35%	-35%	-32%	-10%	41%	66%
1937	Wet	60%	45%	20%	3%	-23%	-27%	-35%	-35%	-35%	-19%	28%	54%
1938	Wet	43%	28%	-21%	-23%	-19%	-14%	-6%	11%	-14%	-14%	-19%	-2%
1939	Dry	-5%	-9%	-17%	-23%	-23%	-29%	-35%	-33%	-12%	36%	118%	105%
1940	Above Normal	88%	94%	78%	6%	-18%	-28%	-32%	-35%	-32%	1%	89%	119%
1941	Wet	105%	81%	18%	-17%	-23%	-24%	-17%	-22%	-35%	-35%	-10%	12%
1942	Wet	10%	1%	-21%	-23%	-23%	-27%	-19%	-15%	-35%	-32%	-2%	18%
1943	Wet	13%	-4%	-17%	-18%	-23%	-29%	-35%	-35%	-31%	-10%	40%	62%
1944	Below Normal	57%	40%	23%	7%	3%	1%	9%	-7%	-4%	27%	84%	81%
1945	Above Normal	70%	37%	8%	-8%	-23%	-23%	-26%	-26%	-28%	-16%	29%	51%
1946	Above Normal	25%	-4%	-23%	-23%	-23%	-25%	-28%	-35%	-31%	-4%	56%	76%
1947	Dry	56%	18%	-12%	-23%	-23%	-27%	-28%	-35%	-19%	28%	100%	91%
1948	Below Normal	94%	94%	74%	55%	61%	125%	105%	49%	16%	44%	114%	95%
1949	Below Normal	76%	71%	49%	32%	28%	43%	19%	-9%	-11%	36%	104%	90%
1950	Below Normal	75%	68%	46%	19%	-2%	5%	-14%	-26%	-22%	14%	86%	85%
1951	Above Normal	67%	-5%	-11%	-23%	-23%	-25%	-23%	-22%	-12%	23%	81%	81%
1952	Wet	76%	70%	23%	-21%	-19%	-13%	-9%	-29%	-35%	-35%	-17%	-1%
1953	Below Normal	1%	0%	-12%	-23%	-23%	-23%	-13%	-13%	3%	22%	78%	79%
1954	Below Normal	79%	77%	56%	31%	16%	13%	-10%	-31%	-24%	7%	70%	87%
1955	Dry	76%	64%	35%	12%	9%	9%	19%	15%	-1%	40%	99%	87%
1956	Wet	87%	88%	-1%	1%	-23%	-29%	-18%	-8%	-24%	-17%	18%	42%
1957	Below Normal	28%	16%	4%	-9%	-14%	-13%	-5%	-5%	-17%	10%	65%	70%
1958	Wet	57%	48%	20%	1%	-16%	-9%	-13%	-25%	-35%	-8%	9%	9%
1959	Dry	10%	8%	1%	-12%	-22%	-29%	-35%	-32%	-15%	34%	132%	92%
1960	Critical	90%	101%	86%	66%	48%	57%	11%	1%	16%	73%	112%	95%
1961	Critical	105%	86%	53%	37%	25%	44%	15%	15%	41%	114%	132%	104%
1962	Below Normal	116%	131%	93%	65%	-5%	6%	-6%	-21%	-30%	-15%	33%	57%
1963	Above Normal	45%	31%	20%	2%	-23%	-24%	-17%	-19%	-26%	-16%	28%	48%
1964	Dry	36%	6%	-9%	-19%	-16%	-15%	-17%	-16%	-2%	48%	102%	91%
1965	Wet	109%	92%	8%	-22%	-23%	-17%	-7%	-10%	-15%	2%	31%	49%
1966	Below Normal	41%	-1%	-21%	-23%	-23%	-29%	-35%	-35%	-20%	32%	122%	113%
1967	Wet	131%	116%	-10%	-23%	-23%	-12%	-8%	2%	-35%	-18%	-23%	-6%
1968	Dry	13%	17%	9%	-4%	2%	-10%	-21%	-21%	-3%	44%	113%	96%
1969	Wet	105%	83%	41%	2%	-10%	37%	81%	-19%	-14%	-14%	-24%	-4%
1970	Above Normal	7%	6%	-5%	-23%	-23%	-29%	-28%	-28%	-24%	9%	63%	70%
1971	Below Normal	71%	54%	12%	-11%	-18%	-15%	-16%	-14%	-7%	29%	86%	79%
1972	Dry	67%	55%	18%	0%	-6%	-18%	-12%	-12%	1%	62%	148%	91%
1973	Above Normal	94%	79%	41%	5%	-18%	-16%	12%	-27%	-35%	-15%	34%	57%
1974	Wet	40%	1%	-23%	-23%	-23%	-26%	-17%	-28%	-35%	-16%	24%	44%
1975	Wet	33%	18%	2%	-12%	-19%	-24%	-7%	-8%	-31%	-13%	42%	61%
1976	Critical	27%	2%	-8%	-15%	-18%	-23%	-26%	-23%	9%	83%	137%	87%
1977	Critical	85%	81%	70%	56%	53%	52%	39%	56%	84%	138%	160%	125%
1978	Wet	144%	160%	63%	-6%	-23%	-29%	-17%	-21%	-35%	-17%	-22%	-23%
1979	Above Normal	-14%	-13%	-18%	-23%	-23%	-29%	-34%	-26%	-27%	-6%	49%	70%
1980	Wet	53%	30%	11%	-10%	-16%	-28%	-30%	-32%	-26%	-14%	-18%	-2%
1981	Dry	-4%	-8%	-15%	-23%	-23%	-27%	-29%	-35%	-23%	25%	90%	84%
1982	Wet	91%	48%	13%	-19%	-23%	-23%	-35%	-35%	-26%	-26%	-23%	-23%
1983	Wet	-23%	-17%	-18%	-18%	-23%	-23%	25%	111%	-14%	-14%	-19%	-25%
1984	Above Normal	-16%	-17%	-16%	-17%	-18%	-17%	-18%	-21%	-26%	2%	51%	60%
1985	Dry	45%	19%	0%	-13%	-16%	-16%	-28%	-35%	-19%	27%	106%	87%
1986	Wet	86%	68%	23%	-8%	-13%	-29%	-33%	-31%	-24%	-25%	9%	24%
1987	Critical	13%	6%	-2%	-12%	-13%	-18%	-27%	-29%	-10%	34%	104%	98%
1988	Critical	100%	95%	67%	28%	20%	23%	-1%	-4%	15%	73%	113%	91%
1989	Critical	117%	137%	99%	70%	59%	44%	0%	-10%	7%	68%	114%	89%
1990	Critical	94%	96%	71%	47%	41%	45%	5%	10%	38%	89%	119%	102%
1991	Critical	122%	153%	127%	104%	115%	104%	92%	58%	33%	86%	132%	83%
1992	Critical	99%	102%	72%	47%	24%	28%	-8%	-18%	11%	67%	109%	93%
1993	Wet	114%	125%	80%	-10%	-23%	-19%	-3%	-23%	-35%	-3%	-5%	12%
1994	Critical	7%	1%	-8%	-18%	-18%	-24%	-29%	-30%	-16%	30%	101%	93%
1995	Wet	72%	53%	24%	-22%	-23%	-27%	-17%	-11%	-19%	-14%	-20%	-12%
1996	Wet	16%	26%	14%	-7%	-23%	-24%	-25%	-15%	-15%	-18%	22%	39%
1997	Wet	32%	-5%	-21%	-3%	-18%	-16%	-15%	-14%	-27%	1%	65%	83%
1998	Wet	68%	44%	19%	-14%	-23%	-23%	-32%	-2%	-32%	-14%	-25%	-6%
1999	Above Normal	11%	10%	-1%	-17%	-19%	-24%	-19%	-28%	-30%	2%	60%	69%
2000	Above Normal	59%	50%	34%	1%	-17%	-27%	-32%	-35%	-34%	-5%	52%	72%
2001	Dry	57%	39%	24%	9%	8%	-5%	-9%	-29%	-15%	35%	102%	90%
2002	Dry	103%	98%	44%	11%	2%	8%	-15%	-23%	-16%	23%	94%	94%
2003	Below Normal	104%	60%	28%	2%	-7%	-4%	9%	-6%	-20%	21%	81%	84%

Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 2 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	482	500	573	656	747	709	677	857	1,220	1,169	960	794
1923	Above Normal	699	676	725	777	738	731	719	772	697	570	417	375
1924	Critical	388	409	420	434	425	424	460	454	353	256	217	235
1925	Below Normal	219	218	248	280	338	317	379	454	452	379	290	280
1926	Dry	298	308	337	363	394	393	500	610	539	374	261	262
1927	Above Normal	261	296	355	409	523	535	535	620	710	597	431	373
1928	Below Normal	371	424	461	494	499	549	583	650	570	409	315	309
1929	Critical	278	256	266	280	273	247	274	352	325	256	218	248
1930	Critical	222	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	478	462	504	625	576	422	367
1933	Dry	361	361	376	403	392	386	385	311	368	328	259	270
1934	Critical	266	256	299	351	373	410	497	471	367	265	230	239
1935	Above Normal	229	230	271	345	405	370	419	552	680	551	403	360
1936	Above Normal	359	367	382	421	575	637	673	810	772	607	435	374
1937	Wet	359	357	388	434	628	748	834	1,091	1,186	992	746	610
1938	Wet	536	518	696	784	807	957	1,017	1,117	1,331	1,331	1,298	1,122
1939	Dry	1,046	1,029	1,029	1,050	986	1,018	1,093	1,004	807	584	413	368
1940	Above Normal	351	320	319	435	523	582	600	742	760	584	414	363
1941	Wet	349	348	441	565	708	777	844	954	1,134	1,115	929	764
1942	Wet	687	667	734	841	844	844	897	949	1,144	1,083	874	713
1943	Wet	621	626	641	783	812	976	1,065	1,208	1,152	954	737	615
1944	Below Normal	530	511	505	513	469	474	457	514	495	410	323	319
1945	Above Normal	318	347	400	444	642	653	623	684	720	620	447	385
1946	Above Normal	409	466	584	666	670	678	695	802	743	574	411	367
1947	Dry	371	417	498	545	564	589	596	660	551	394	295	297
1948	Below Normal	283	271	281	299	289	228	242	303	366	307	229	242
1949	Below Normal	260	266	294	324	331	304	351	441	452	320	237	248
1950	Below Normal	264	271	301	354	417	394	474	545	528	403	295	294
1951	Above Normal	306	448	748	954	1,044	1,031	967	892	775	593	432	379
1952	Wet	353	334	394	531	578	601	709	986	1,219	1,210	1,064	904
1953	Below Normal	804	776	790	860	805	793	763	677	590	515	398	364
1954	Below Normal	339	317	327	355	372	381	461	580	541	413	301	281
1955	Dry	286	292	329	377	401	384	359	372	420	320	250	260
1956	Wet	258	254	550	815	1,010	1,075	1,102	1,112	1,240	1,191	1,025	860
1957	Below Normal	774	749	734	738	686	675	634	620	644	513	383	358
1958	Wet	353	343	382	421	485	517	648	901	1,096	1,058	899	761
1959	Dry	673	649	640	662	651	717	756	719	598	425	297	313
1960	Critical	299	272	273	286	306	293	382	412	366	268	231	243
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	391	441	524	602	531	399	360
1963	Above Normal	363	365	375	413	594	603	563	570	633	567	423	378
1964	Dry	378	426	465	495	479	475	486	478	423	303	241	249
1965	Wet	233	247	384	620	720	686	630	631	627	536	438	387
1966	Below Normal	378	456	526	588	593	630	711	765	649	461	341	333
1967	Wet	302	291	494	573	645	660	714	805	1,169	1,331	1,304	1,159
1968	Dry	1,058	1,033	1,038	1,060	1,020	1,038	1,025	954	784	574	412	365
1969	Wet	326	321	359	589	725	761	820	1,192	1,331	1,331	1,307	1,130
1970	Above Normal	1,048	1,028	1,046	1,187	1,159	1,197	1,144	1,097	976	750	546	454
1971	Below Normal	403	392	451	510	522	509	523	522	494	398	320	323
1972	Dry	322	320	373	414	436	488	459	460	412	283	209	248
1973	Above Normal	245	259	311	393	483	472	436	661	772	606	430	371
1974	Wet	375	444	532	671	696	771	833	999	1,091	903	702	591
1975	Wet	527	515	524	541	524	550	458	529	717	585	415	370
1976	Critical	406	447	470	488	495	521	538	519	391	261	217	253
1977	Critical	254	258	270	288	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,316	1,331	1,305	1,256
1979	Above Normal	1,151	1,115	1,110	1,182	1,166	1,224	1,260	1,331	1,331	1,123	884	722
1980	Wet	636	624	624	869	1,046	1,154	1,209	1,265	1,331	1,331	1,287	1,112
1981	Dry	1,006	971	963	973	909	914	885	882	753	542	401	366
1982	Wet	332	360	413	520	634	695	993	1,214	1,331	1,331	1,258	1,180
1983	Wet	1,236	1,331	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,331
1984	Above Normal	1,276	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,308	1,113	927	783
1985	Dry	697	696	705	713	649	648	703	741	622	443	326	327
1986	Wet	311	311	368	452	731	1,006	1,140	1,289	1,331	1,275	1,305	894
1987	Critical	796	762	742	737	662	681	721	712	578	414	296	283
1988	Critical	270	266	288	343	357	349	416	427	367	269	231	248
1989	Critical	226	212	239	268	282	304	406	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	588	631	822	955	910	728	606
1994	Critical	536	509	506	516	470	501	538	545	467	329	240	248
1995	Wet	268	292	345	547	640	830	951	1,051	1,331	1,331	1,331	1,253
1996	Wet	1,135	1,087	1,104	1,157	1,246	1,331	1,329	1,331	1,331	1,254	1,058	867
1997	Wet	776	821	1,004	1,266	1,331	1,331	1,331	1,331	1,322	1,096	858	707
1998	Wet	607	593	600	671	808	879	997	973	1,331	1,331	1,330	1,197
1999	Above Normal	1,118	1,105	1,129	1,181	1,178	1,172	1,135	1,159	1,128	901	694	590
2000	Above Normal	514	480	471	520	538	587	616	722	735	556	404	363
2001	Dry	362	366	379	405	405	446	462	565	487	338	253	262
2002	Dry	247	247	310	377	403	385	469	514	475	349	247	246
2003	Below Normal	237	283	335	403	436	424	394	453	522	390	304	299

Change in Simulated End-of-Month Temperance Flat Reservoir Storage (Node S17)
 Alternative 2 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	482	500	573	656	747	709	677	857	1,220	1,169	960	794
1923	Above Normal	699	676	725	777	738	731	719	772	697	570	417	375
1924	Critical	388	409	420	434	425	424	460	454	353	256	217	235
1925	Below Normal	219	218	248	280	338	317	379	454	452	379	290	280
1926	Dry	298	308	337	363	394	393	500	610	539	374	261	262
1927	Above Normal	261	296	355	409	523	535	535	620	710	597	431	373
1928	Below Normal	371	424	461	494	499	549	583	650	570	409	315	309
1929	Critical	278	256	266	280	273	247	274	352	325	256	218	248
1930	Critical	222	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	478	462	504	625	576	422	367
1933	Dry	361	361	376	403	392	386	385	311	368	328	259	270
1934	Critical	266	256	299	351	373	410	497	471	367	265	230	239
1935	Above Normal	229	230	271	345	405	370	419	552	680	551	403	360
1936	Above Normal	359	367	382	421	575	637	673	810	772	607	435	374
1937	Wet	359	357	388	434	628	748	834	1,091	1,186	992	746	610
1938	Wet	536	518	696	784	807	957	1,017	1,117	1,331	1,331	1,298	1,122
1939	Dry	1,046	1,029	1,029	1,050	986	1,018	1,093	1,004	807	584	413	368
1940	Above Normal	351	320	319	435	523	582	600	742	760	584	414	363
1941	Wet	349	348	441	565	708	777	844	954	1,134	1,115	929	764
1942	Wet	687	667	734	841	844	844	897	949	1,144	1,083	874	713
1943	Wet	621	626	641	783	812	976	1,065	1,208	1,152	954	737	615
1944	Below Normal	530	511	505	513	469	474	457	514	495	410	323	319
1945	Above Normal	318	347	400	444	642	653	623	684	720	620	447	385
1946	Above Normal	409	466	584	666	670	678	695	802	743	574	411	367
1947	Dry	371	417	498	545	564	589	596	660	551	394	295	297
1948	Below Normal	283	271	281	299	289	228	242	303	366	307	229	242
1949	Below Normal	260	266	294	324	331	304	351	441	452	320	237	248
1950	Below Normal	264	271	301	354	417	394	474	545	528	403	295	294
1951	Above Normal	306	448	748	954	1,044	1,031	967	892	775	593	432	379
1952	Wet	353	334	394	531	578	601	709	986	1,219	1,210	1,064	904
1953	Below Normal	804	776	790	860	805	793	763	677	590	515	398	364
1954	Below Normal	339	317	327	355	372	381	461	580	541	413	301	281
1955	Dry	286	292	329	377	401	384	359	372	420	320	250	260
1956	Wet	258	254	550	815	1,010	1,075	1,102	1,112	1,240	1,191	1,025	860
1957	Below Normal	774	749	734	738	686	675	634	620	644	513	383	358
1958	Wet	353	343	382	421	485	517	648	901	1,096	1,058	899	761
1959	Dry	673	649	640	662	651	717	756	719	598	425	297	313
1960	Critical	299	272	273	286	306	293	382	412	366	268	231	243
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	391	441	524	602	531	399	360
1963	Above Normal	363	365	375	413	594	603	563	570	633	567	423	378
1964	Dry	378	426	465	495	479	475	486	478	423	303	241	249
1965	Wet	233	247	384	620	720	686	630	631	627	536	438	387
1966	Below Normal	378	456	526	588	593	630	711	765	649	461	341	333
1967	Wet	302	291	494	573	645	660	714	805	1,169	1,331	1,304	1,159
1968	Dry	1,058	1,033	1,038	1,060	1,020	1,038	1,025	954	784	574	412	365
1969	Wet	326	321	359	589	725	761	820	1,192	1,331	1,331	1,307	1,130
1970	Above Normal	1,048	1,028	1,046	1,187	1,159	1,197	1,144	1,097	976	750	546	454
1971	Below Normal	403	392	451	510	522	509	523	522	494	398	320	323
1972	Dry	322	320	373	414	436	488	459	460	412	283	209	248
1973	Above Normal	245	259	311	393	483	472	436	661	772	606	430	371
1974	Wet	375	444	532	671	696	771	833	999	1,091	903	702	591
1975	Wet	527	515	524	541	524	550	458	529	717	585	415	370
1976	Critical	406	447	470	488	495	521	538	519	391	261	217	253
1977	Critical	254	258	270	288	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,316	1,331	1,305	1,256
1979	Above Normal	1,151	1,115	1,110	1,182	1,166	1,224	1,260	1,331	1,331	1,123	884	722
1980	Wet	636	624	624	869	1,046	1,154	1,209	1,265	1,331	1,331	1,287	1,112
1981	Dry	1,006	971	963	973	909	914	885	882	753	542	401	366
1982	Wet	332	360	413	520	634	695	993	1,214	1,331	1,331	1,258	1,180
1983	Wet	1,236	1,331	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,331
1984	Above Normal	1,276	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,308	1,113	927	783
1985	Dry	697	696	705	713	649	648	703	741	622	443	326	327
1986	Wet	311	311	368	452	731	1,006	1,140	1,289	1,331	1,275	1,058	894
1987	Critical	796	762	742	737	662	681	721	712	578	414	296	283
1988	Critical	270	266	288	343	357	349	416	427	367	269	231	248
1989	Critical	226	212	239	268	282	304	406	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	588	631	822	955	910	728	606
1994	Critical	536	509	506	516	470	501	538	545	467	329	240	248
1995	Wet	268	292	345	547	640	830	951	1,051	1,331	1,331	1,331	1,253
1996	Wet	1,135	1,087	1,104	1,157	1,246	1,331	1,329	1,331	1,331	1,254	1,058	867
1997	Wet	776	821	1,004	1,266	1,331	1,331	1,331	1,331	1,322	1,096	858	707
1998	Wet	607	593	600	671	808	879	997	973	1,331	1,331	1,330	1,197
1999	Above Normal	1,118	1,105	1,129	1,181	1,178	1,172	1,135	1,159	1,128	901	694	590
2000	Above Normal	514	480	471	520	538	587	616	722	735	556	404	363
2001	Dry	362	366	379	405	405	446	462	565	487	338	253	262
2002	Dry	247	247	310	377	403	385	469	514	475	349	247	246
2003	Below Normal	237	283	335	403	436	424	394	453	522	390	304	299

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,425	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,361	1,397	1,332	1,057	1,216
1938	Wet	1,181	1,189	1,275	1,350	1,532	1,663	1,761	2,027	2,233	2,188	2,094	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,629	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,559	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,615	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,511	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,411
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Alternative 2 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,424	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	897	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,360	1,396	1,331	1,056	1,214
1938	Wet	1,179	1,187	1,273	1,349	1,531	1,662	1,759	2,026	2,232	2,187	2,093	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,630	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,558	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,614	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,512	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,141	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,412
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,474	1,722	1,444	1,078	935	770	707	881
1923	Below Normal	965	1,075	1,341	1,402	1,470	1,431	1,195	785	467	429	451	682
1924	Critical	850	1,075	1,293	1,512	1,570	1,453	1,306	1,100	739	744	464	404
1925	Dry	555	692	1,103	1,426	1,595	1,722	1,526	1,153	806	772	580	745
1926	Dry	827	998	1,193	1,458	1,499	1,346	1,212	890	606	619	470	523
1927	Wet	542	1,012	1,315	1,493	1,776	1,891	1,575	1,132	767	716	716	853
1928	Above Normal	846	936	1,408	1,516	1,435	1,680	1,382	946	558	464	480	665
1929	Critical	701	677	1,009	1,126	1,200	1,310	1,243	1,076	767	529	481	452
1930	Dry	534	646	982	1,222	1,412	1,534	1,401	1,148	794	827	642	854
1931	Critical	905	1,028	1,180	1,467	1,653	1,617	1,447	1,199	818	643	343	271
1932	Dry	337	447	1,087	1,433	1,798	1,918	1,712	1,430	984	902	892	971
1933	Critical	1,055	1,174	1,429	1,732	1,976	1,990	1,846	1,608	1,215	892	778	792
1934	Critical	850	927	1,250	1,576	1,765	1,751	1,568	1,333	929	501	281	289
1935	Below Normal	336	505	835	1,183	1,392	1,519	1,313	932	686	605	511	731
1936	Below Normal	858	1,014	1,279	1,429	1,879	2,039	1,815	1,477	1,100	1,045	977	1,095
1937	Below Normal	1,247	1,373	1,770	1,923	2,039	2,039	1,855	1,616	1,385	1,288	1,075	1,056
1938	Wet	1,191	1,579	1,942	2,039	2,039	2,039	1,959	2,039	1,944	1,737	1,539	1,543
1939	Dry	1,556	1,311	1,681	1,688	1,651	1,445	1,135	751	236	195	100	295
1940	Above Normal	267	337	434	645	895	1,287	1,068	693	362	241	233	391
1941	Wet	448	479	821	1,158	1,699	2,010	1,761	1,406	1,137	985	929	1,078
1942	Wet	1,047	1,106	1,383	1,594	1,752	1,855	1,509	1,079	802	624	591	701
1943	Wet	706	763	986	1,291	1,482	1,859	1,585	1,189	770	540	425	550
1944	Dry	515	485	899	996	1,090	1,142	956	639	312	391	333	312
1945	Below Normal	381	872	1,222	1,524	1,871	2,039	1,731	1,268	755	657	645	762
1946	Below Normal	973	1,356	1,661	1,831	1,944	1,991	1,672	1,224	731	648	636	775
1947	Dry	971	1,257	1,544	1,644	1,698	1,579	1,311	877	382	328	152	336
1948	Below Normal	462	682	824	853	684	787	617	312	202	194	307	547
1949	Dry	697	890	1,237	1,514	1,744	1,758	1,446	993	459	354	160	358
1950	Below Normal	357	478	668	785	894	1,111	873	504	372	327	348	575
1951	Above Normal	828	1,270	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,405	1,499	1,878	1,709	1,511	1,455	1,243	1,138	1,249
1953	Wet	1,232	1,230	1,566	1,537	1,532	1,551	1,240	843	422	429	506	736
1954	Above Normal	681	719	1,195	1,197	1,204	1,315	1,050	649	297	118	176	407
1955	Dry	470	702	1,232	1,532	1,734	1,788	1,565	1,193	612	611	400	583
1956	Wet	606	874	1,376	1,823	2,039	2,039	1,712	1,228	917	719	617	699
1957	Above Normal	683	712	1,119	1,144	965	822	616	320	151	129	238	464
1958	Wet	840	1,074	1,359	1,558	1,805	2,039	1,862	1,492	1,297	996	810	919
1959	Below Normal	932	900	1,302	1,165	1,084	1,124	933	563	207	189	249	432
1960	Dry	525	661	847	1,115	1,231	1,323	1,015	667	230	149	100	300
1961	Dry	251	486	990	1,252	1,315	1,506	1,245	869	256	244	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,684	1,795	1,500	1,081	725	711	757	865
1964	Dry	944	1,347	1,615	1,743	1,808	1,817	1,496	1,074	451	432	255	464
1965	Wet	474	558	799	1,132	1,306	1,482	1,227	759	338	214	310	497
1966	Below Normal	439	739	1,239	1,360	1,410	1,435	1,184	768	290	225	255	490
1967	Wet	552	768	1,092	1,392	1,589	1,799	1,624	1,356	1,312	1,205	1,060	1,192
1968	Below Normal	1,272	1,144	1,567	1,572	1,392	1,410	1,139	768	328	341	417	612
1969	Wet	778	1,021	1,546	1,842	2,039	2,039	2,011	2,039	2,022	1,870	1,671	1,654
1970	Wet	1,693	1,464	1,707	1,981	2,039	2,039	1,730	1,269	745	634	618	595
1971	Wet	604	790	1,024	1,061	1,051	1,203	973	591	268	270	357	587
1972	Below Normal	666	624	1,165	1,429	1,434	1,409	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,413	1,603	1,825	1,959	1,659	1,267	879	796	781	755
1974	Wet	980	1,366	1,656	1,853	1,910	2,036	1,712	1,209	817	606	587	703
1975	Wet	818	837	1,282	1,307	1,260	1,467	1,138	674	382	301	357	543
1976	Critical	805	780	1,244	1,327	1,370	1,463	1,294	974	538	464	260	343
1977	Critical	380	455	537	727	843	753	647	548	359	182	235	183
1978	Above Normal	210	239	375	660	1,093	1,424	1,286	1,073	960	852	777	952
1979	Below Normal	992	1,036	1,484	1,615	1,772	1,933	1,647	1,301	811	750	760	790
1980	Above Normal	975	1,055	1,527	1,873	2,039	2,039	1,812	1,441	1,182	1,066	870	536
1981	Dry	616	682	1,128	1,156	1,121	1,150	947	573	249	203	102	333
1982	Wet	469	899	1,157	1,446	1,948	2,039	2,039	1,785	1,537	1,262	1,084	1,200
1983	Wet	1,454	1,720	2,039	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,818	2,039	1,855	1,550	1,377	1,246	1,002	938
1987	Dry	932	744	1,177	1,216	1,214	1,257	1,046	813	480	465	219	220
1988	Critical	294	436	740	935	883	874	789	623	303	422	369	294
1989	Dry	291	532	840	1,178	1,218	1,211	995	603	262	217	100	331
1990	Critical	390	481	727	979	1,072	1,024	859	666	293	480	379	296
1991	Critical	314	401	581	591	687	684	600	423	260	360	231	136
1992	Critical	122	242	364	485	581	717	579	368	148	145	181	100
1993	Above Normal	100	184	420	715	1,000	1,181	874	465	307	236	256	461
1994	Critical	555	577	1,065	1,203	1,302	1,317	1,088	757	192	189	100	134
1995	Wet	144	303	444	695	921	1,421	1,190	1,297	1,193	1,070	923	1,048
1996	Wet	923	804	980	938	1,240	1,586	1,271	910	540	414	411	586
1997	Wet	469	561	1,070	1,512	1,873	2,039	1,701	1,220	791	544	538	702
1998	Wet	667	576	1,028	1,022	1,371	1,724	1,533	1,244	1,156	1,026	866	996
1999	Wet	1,245	1,396	1,547	1,636	1,755	1,904	1,602	1,163	795	750	770	919
2000	Above Normal	630	649	1,071	1,020	1,242	1,544	1,257	820	454	259	269	481
2001	Dry	450	515	991	1,240	1,384	1,526	1,361	1,043	671	697	413	474
2002	Dry	501	736	1,105	1,326	1,531	1,610	1,311	904	446	461	219	398
2003	Above Normal	302	435	620	788	1,004	1,168	923	545	337	297	358	536

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 2 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,351	1,441	1,681	1,390	937	741	541	458	611
1923	Below Normal	688	841	1,094	1,144	1,202	1,125	837	511	355	290	268	457
1924	Critical	654	806	1,092	1,271	1,292	1,158	999	777	412	223	105	120
1925	Dry	186	189	447	749	904	1,116	933	610	334	366	249	449
1926	Dry	531	703	923	1,191	1,238	1,076	934	593	282	291	130	233
1927	Wet	242	703	996	1,167	1,447	1,562	1,252	818	456	418	436	578
1928	Above Normal	578	672	1,148	1,258	1,182	1,433	1,147	711	339	210	210	395
1929	Critical	442	429	777	955	1,084	1,212	1,151	994	690	459	434	453
1930	Dry	519	619	948	1,183	1,372	1,491	1,358	1,105	749	782	596	808
1931	Critical	859	982	1,133	1,419	1,603	1,564	1,394	1,148	768	591	292	269
1932	Dry	336	416	1,040	1,382	1,747	1,865	1,660	1,378	933	852	939	1,019
1933	Critical	1,103	1,223	1,481	1,784	2,029	2,039	1,892	1,650	1,252	905	780	771
1934	Critical	832	893	1,204	1,528	1,715	1,697	1,519	1,291	897	480	283	291
1935	Below Normal	326	502	836	1,185	1,395	1,522	1,315	932	670	588	493	713
1936	Below Normal	840	997	1,261	1,411	1,875	2,039	1,803	1,402	1,025	971	903	1,023
1937	Below Normal	1,175	1,300	1,697	1,850	2,039	2,039	1,837	1,557	1,269	1,175	951	935
1938	Wet	1,073	1,463	1,829	2,015	2,039	2,039	1,934	1,737	1,670	1,489	1,336	1,409
1939	Dry	1,433	1,213	1,566	1,575	1,541	1,345	1,056	676	156	134	100	290
1940	Above Normal	264	361	444	668	930	1,321	1,099	682	343	211	215	397
1941	Wet	453	472	812	1,147	1,675	1,991	1,744	1,380	1,112	966	914	1,065
1942	Wet	1,038	1,099	1,378	1,571	1,718	1,822	1,477	1,050	773	599	573	713
1943	Wet	718	778	1,002	1,240	1,413	1,780	1,481	1,061	647	424	314	439
1944	Dry	409	416	832	956	1,075	1,137	952	637	313	391	338	318
1945	Below Normal	388	880	1,232	1,535	1,808	2,012	1,707	1,248	741	651	644	766
1946	Below Normal	959	1,343	1,648	1,807	1,931	1,979	1,661	1,215	726	647	638	775
1947	Dry	971	1,258	1,544	1,645	1,699	1,581	1,313	878	381	325	145	328
1948	Below Normal	456	675	818	850	684	788	618	310	201	193	306	547
1949	Dry	696	890	1,237	1,514	1,744	1,758	1,447	993	458	353	157	356
1950	Below Normal	352	474	663	782	893	1,111	872	504	372	327	348	575
1951	Above Normal	829	1,271	1,830	2,039	2,039	2,039	1,740	1,279	858	640	602	746
1952	Wet	759	973	1,208	1,400	1,494	1,839	1,629	1,396	1,304	1,101	1,007	1,161
1953	Wet	1,147	1,245	1,566	1,487	1,485	1,524	1,248	856	444	462	546	780
1954	Above Normal	729	762	1,236	1,231	1,232	1,335	1,068	662	301	119	174	404
1955	Dry	467	698	1,227	1,527	1,727	1,782	1,561	1,190	612	615	405	580
1956	Wet	604	874	1,308	1,790	2,011	2,039	1,712	1,228	917	718	616	700
1957	Above Normal	684	713	1,120	1,145	966	823	617	320	151	130	239	465
1958	Wet	841	1,074	1,359	1,558	1,805	2,039	1,819	1,421	1,221	931	754	865
1959	Below Normal	880	859	1,264	1,129	1,052	1,098	892	529	205	192	256	439
1960	Dry	531	667	853	1,122	1,239	1,331	1,022	673	230	151	100	304
1961	Dry	261	497	1,002	1,260	1,321	1,510	1,249	872	258	246	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,677	1,788	1,494	1,076	722	709	757	864
1964	Dry	944	1,347	1,615	1,744	1,810	1,819	1,498	1,076	452	432	256	465
1965	Wet	475	560	800	1,113	1,259	1,437	1,185	723	316	205	308	498
1966	Below Normal	441	736	1,239	1,363	1,418	1,443	1,173	759	284	223	256	488
1967	Wet	552	769	1,092	1,395	1,585	1,791	1,573	1,270	1,203	1,021	878	1,015
1968	Below Normal	1,088	1,095	1,526	1,532	1,353	1,377	1,102	730	288	296	371	566
1969	Wet	719	968	1,497	1,768	2,039	2,039	1,979	2,039	2,024	1,872	1,673	1,666
1970	Wet	1,705	1,477	1,721	1,995	2,039	2,039	1,734	1,273	748	636	618	593
1971	Wet	602	787	1,020	1,057	1,047	1,199	970	588	268	270	358	588
1972	Below Normal	666	624	1,166	1,430	1,435	1,410	1,174	775	302	271	333	558
1973	Above Normal	715	1,152	1,414	1,603	1,825	1,959	1,659	1,204	811	729	715	755
1974	Wet	938	1,323	1,614	1,770	1,825	1,967	1,614	1,114	737	545	546	700
1975	Wet	823	841	1,290	1,322	1,281	1,494	1,161	694	396	310	361	544
1976	Critical	808	782	1,244	1,324	1,365	1,457	1,290	971	537	465	261	347
1977	Critical	382	458	541	730	847	756	645	546	357	180	231	180
1978	Above Normal	207	235	372	657	1,037	1,332	1,164	920	741	563	500	682
1979	Below Normal	732	874	1,336	1,504	1,719	1,931	1,617	1,223	735	676	688	771
1980	Above Normal	992	1,090	1,563	1,781	2,039	2,039	1,823	1,463	1,210	999	836	739
1981	Dry	800	764	1,220	1,247	1,215	1,167	963	587	236	196	104	328
1982	Wet	465	894	1,151	1,442	1,911	2,039	2,039	1,740	1,461	1,187	1,009	1,125
1983	Wet	1,376	1,593	1,966	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,685	2,039	1,835	1,503	1,320	1,190	1,022	891
1987	Dry	879	705	1,138	1,177	1,175	1,218	1,012	785	461	444	203	209
1988	Critical	286	430	736	933	881	873	788	624	304	423	370	296
1989	Dry	293	534	842	1,180	1,221	1,214	998	606	266	222	100	329
1990	Critical	388	478	725	977	1,070	1,022	858	664	291	479	377	294
1991	Critical	312	399	580	589	685	682	599	423	260	360	230	134
1992	Critical	121	243	362	482	578	714	577	366	146	145	181	100
1993	Above Normal	100	184	417	713	995	1,174	868	459	305	235	255	460
1994	Critical	554	574	1,063	1,202	1,303	1,318	1,089	758	193	189	100	134
1995	Wet	144	303	444	695	902	1,369	1,117	905	764	664	534	666
1996	Wet	544	520	699	775	1,169	1,498	1,198	817	457	348	404	587
1997	Wet	474	570	1,074	1,518	1,882	2,039	1,699	1,215	782	529	528	692
1998	Wet	656	565	1,016	1,009	1,334	1,685	1,478	1,180	1,128	1,037	913	1,062
1999	Wet	1,234	1,387	1,540	1,640	1,764	1,912	1,619	1,178	806	757	774	709
2000	Above Normal	622	643	1,065	1,012	1,229	1,529	1,244	807	441	244	254	466
2001	Dry	437	503	974	1,230	1,381	1,524	1,358	1,038	665	700	410	470
2002	Dry	496	731	1,099	1,320	1,524	1,603	1,306	899	442	458	213	400
2003	Above Normal	305	434	624	789	1,003	1,167	922	544	336	297	358	537

Change in Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
 Alternative 2 - Existing Condition (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	-23	-33	-41	-54	-142	-194	-228	-249	-270
1923	Below Normal	-277	-234	-247	-258	-268	-307	-358	-275	-112	-139	-183	-224
1924	Critical	-196	-270	-201	-241	-278	-295	-307	-323	-327	-521	-359	-284
1925	Dry	-370	-503	-656	-676	-691	-606	-593	-543	-473	-406	-331	-295
1926	Dry	-296	-295	-271	-267	-261	-269	-278	-297	-324	-327	-340	-291
1927	Wet	-300	-310	-319	-327	-329	-329	-323	-315	-311	-297	-280	-275
1928	Above Normal	-268	-264	-259	-258	-253	-247	-235	-236	-219	-254	-270	-270
1929	Critical	-259	-248	-232	-171	-116	-98	-92	-83	-77	-70	-46	1
1930	Dry	-15	-28	-34	-39	-40	-43	-43	-44	-44	-45	-46	-47
1931	Critical	-47	-47	-47	-49	-50	-53	-52	-51	-50	-52	-51	-1
1932	Dry	-1	-31	-47	-51	-50	-53	-52	-52	-51	-50	47	47
1933	Critical	48	48	52	52	52	49	46	42	37	13	1	-21
1934	Critical	-18	-34	-46	-49	-50	-54	-49	-42	-32	-21	2	2
1935	Below Normal	-10	-3	2	2	3	3	0	-15	-16	-17	-18	-18
1936	Below Normal	-18	-18	-18	-17	-4	0	-12	-75	-75	-74	-74	-73
1937	Below Normal	-73	-73	-73	-73	0	0	-18	-59	-116	-114	-124	-121
1938	Wet	-118	-116	-114	-24	0	0	-25	-302	-274	-248	-203	-134
1939	Dry	-122	-98	-115	-113	-110	-100	-80	-75	-80	-61	0	-4
1940	Above Normal	-3	24	10	23	35	34	31	-11	-19	-30	-18	6
1941	Wet	5	-7	-9	-12	-23	-19	-17	-26	-25	-19	-15	-13
1942	Wet	-10	-6	-5	-23	-34	-33	-32	-29	-29	-24	-18	12
1943	Wet	13	15	16	-52	-69	-79	-104	-128	-123	-117	-111	-111
1944	Dry	-105	-69	-68	-40	-14	-5	-4	-2	1	-1	5	6
1945	Below Normal	7	8	10	11	-63	-27	-24	-20	-14	-6	-1	4
1946	Below Normal	-14	-13	-14	-24	-13	-12	-11	-9	-5	-1	2	0
1947	Dry	0	1	1	1	1	1	2	1	-1	-3	-7	-8
1948	Below Normal	-7	-6	-6	-3	0	1	1	-2	-1	-1	-1	-1
1949	Dry	-1	0	0	0	0	0	0	0	-1	-1	-2	-2
1950	Below Normal	-5	-5	-5	-3	-1	-1	-1	-1	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	-4	-5	-38	-79	-115	-152	-142	-131	-89
1953	Wet	-85	15	0	-50	-48	-27	8	14	21	33	40	43
1954	Above Normal	49	43	41	34	28	20	18	13	4	1	-2	-4
1955	Dry	-3	-4	-5	-6	-6	-6	-4	-3	0	3	5	-3
1956	Wet	-2	-1	-68	-33	-28	0	0	0	0	-1	-1	1
1957	Above Normal	1	1	0	0	1	1	1	0	0	1	1	1
1958	Wet	0	0	-1	-1	-1	0	-43	-72	-76	-65	-56	-53
1959	Below Normal	-51	-41	-39	-36	-32	-26	-41	-34	-2	3	7	7
1960	Dry	7	6	5	7	8	7	7	7	0	3	0	3
1961	Dry	10	11	12	9	5	4	4	3	3	2	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	-7	-7	-6	-5	-3	-1	0	-1
1964	Dry	0	0	1	1	2	1	1	1	1	0	0	0
1965	Wet	1	1	1	-19	-47	-44	-43	-36	-22	-9	-2	1
1966	Below Normal	2	-2	0	3	8	8	-11	-9	-6	-2	1	-2
1967	Wet	0	0	1	2	-4	-9	-51	-86	-108	-184	-181	-177
1968	Below Normal	-184	-49	-41	-40	-40	-33	-38	-37	-39	-45	-47	-46
1969	Wet	-59	-53	-49	-73	0	0	-31	0	2	2	2	13
1970	Wet	12	13	14	14	0	0	5	4	3	2	1	-2
1971	Wet	-3	-3	-4	-4	-4	-4	-4	-3	0	0	1	1
1972	Below Normal	1	1	1	1	1	1	1	1	1	1	1	1
1973	Above Normal	1	1	1	1	0	0	0	-62	-68	-67	-67	0
1974	Wet	-43	-43	-43	-82	-85	-70	-98	-95	-80	-62	-42	-3
1975	Wet	5	4	8	16	21	26	23	20	14	9	5	2
1976	Critical	3	2	0	-3	-5	-5	-4	-3	-1	1	2	4
1977	Critical	2	3	4	3	3	3	-1	-1	-1	-1	-4	-4
1978	Above Normal	-3	-4	-3	-3	-56	-91	-122	-153	-219	-290	-278	-270
1979	Below Normal	-260	-161	-148	-111	-53	-2	-30	-79	-77	-74	-72	-19
1980	Above Normal	17	36	35	-92	0	0	10	22	28	-67	-34	202
1981	Dry	183	82	92	91	94	17	15	14	-12	-8	1	-5
1982	Wet	-4	-5	-6	-4	-36	0	0	-45	-76	-75	-75	-75
1983	Wet	-78	-127	-73	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-134	0	-19	-46	-57	-57	20	-47
1987	Dry	-52	-39	-39	-39	-39	-39	-34	-28	-19	-21	-16	-11
1988	Critical	-8	-6	-4	-3	-1	-1	0	0	1	0	1	2
1989	Dry	2	2	2	2	3	3	3	3	4	5	0	-2
1990	Critical	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1991	Critical	-2	-2	-2	-2	-2	-2	-2	0	1	0	-1	-1
1992	Critical	-2	0	-1	-3	-3	-3	-3	-3	-2	0	0	0
1993	Above Normal	0	0	-3	-3	-6	-7	-6	-6	-2	-2	-2	-2
1994	Critical	-1	-2	-2	0	1	1	1	1	1	0	0	0
1995	Wet	0	0	0	0	-19	-52	-73	-391	-429	-406	-389	-383
1996	Wet	-379	-284	-281	-163	-72	-88	-73	-93	-84	-66	-7	1
1997	Wet	6	8	3	6	9	0	-2	-5	-9	-15	-10	-10
1998	Wet	-11	-11	-12	-12	-37	-39	-54	-64	-28	11	48	66
1999	Wet	-10	-9	-7	4	9	9	17	15	12	8	4	-10
2000	Above Normal	-8	-6	-7	-8	-14	-15	-13	-13	-13	-15	-15	-15
2001	Dry	-14	-12	-17	-10	-3	-2	-3	-4	-6	3	-3	-4
2002	Dry	-5	-5	-6	-6	-6	-6	-5	-5	-3	-2	-6	3
2003	Above Normal	3	-1	4	2	-1	-1	-1	-1	-1	0	0	1

Simulated Friant-Kern Canal Diversions (Node D18A)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	2,163	3,085	3,622	4,436	3,653	3,199	1,789	626	161	107	1,096	1,294
1923	Above Normal	848	1,718	2,157	3,070	3,227	2,828	1,585	560	150	96	96	717
1924	Critical	296	373	525	1,119	1,395	853	508	377	169	16	16	200
1925	Below Normal	626	1,141	1,583	2,309	2,424	2,193	1,175	428	127	74	74	420
1926	Dry	603	1,097	1,695	2,184	2,294	2,076	1,114	408	124	71	71	553
1927	Above Normal	891	1,744	3,408	4,329	3,289	2,882	1,615	570	151	98	98	731
1928	Below Normal	670	1,350	2,029	2,351	2,534	2,231	1,226	444	130	77	77	438
1929	Critical	393	494	702	1,527	1,909	1,149	671	495	210	16	16	265
1930	Critical	387	486	690	1,500	1,874	1,129	661	488	207	16	16	261
1931	Critical	210	267	372	768	954	598	368	275	0	16	16	138
1932	Above Normal	923	1,814	2,303	4,247	3,451	3,023	1,693	595	156	102	102	794
1933	Dry	607	1,105	1,532	2,236	2,347	2,124	1,139	416	125	72	72	407
1934	Critical	334	421	594	1,277	1,593	967	571	423	185	16	16	225
1935	Above Normal	854	1,665	2,098	4,151	3,102	2,719	1,526	541	146	93	93	481
1936	Above Normal	1,170	1,639	3,315	3,295	3,130	2,743	1,539	545	147	94	94	390
1937	Wet	508	1,356	1,912	4,121	3,071	2,692	1,511	536	146	629	1,292	1,908
1938	Wet	326	782	1,687	4,462	4,487	3,581	2,208	897	278	220	560	1,094
1939	Dry	788	2,299	1,382	2,011	2,113	1,913	1,030	381	119	66	66	353
1940	Above Normal	809	1,568	3,165	3,410	2,876	2,522	1,418	506	140	87	87	573
1941	Wet	2,206	3,161	2,485	4,446	3,986	3,391	2,093	853	266	209	1,409	1,916
1942	Wet	957	3,003	3,384	4,431	3,622	3,172	1,774	625	160	106	102	2,033
1943	Wet	508	1,464	3,357	3,338	3,203	2,807	1,574	557	149	95	95	712
1944	Below Normal	664	1,339	1,682	2,391	2,576	2,268	1,246	451	131	78	78	390
1945	Above Normal	942	1,856	3,267	4,211	3,550	3,110	1,740	610	158	783	1,304	976
1946	Above Normal	816	1,622	2,975	2,801	2,944	2,581	1,451	517	142	89	186	1,049
1947	Dry	613	1,117	1,714	2,227	2,338	2,115	1,135	415	125	72	72	391
1948	Below Normal	503	912	1,264	1,842	1,936	1,754	948	355	114	62	62	339
1949	Below Normal	576	1,047	1,452	2,116	2,222	2,011	1,081	398	122	69	69	386
1950	Below Normal	646	1,299	1,630	2,316	2,495	2,198	1,208	439	122	1,276	1,276	1,632
1951	Above Normal	681	1,373	1,723	2,449	2,638	2,323	1,275	460	132	79	79	1,640
1952	Wet	706	1,735	1,742	4,450	3,792	3,405	2,101	856	267	210	922	1,090
1953	Below Normal	699	1,411	1,772	2,519	2,714	2,389	1,310	471	134	81	81	468
1954	Below Normal	620	1,130	1,567	2,284	2,398	2,170	1,163	424	126	73	73	415
1955	Dry	599	1,090	1,512	2,205	2,315	2,095	1,124	411	124	70	70	1,588
1956	Wet	1,726	3,083	3,403	4,240	3,851	3,372	1,883	656	166	112	112	885
1957	Below Normal	722	1,457	1,830	2,603	2,737	2,401	1,352	485	137	84	84	632
1958	Wet	921	1,609	2,436	4,448	3,774	3,389	2,092	852	266	209	209	889
1959	Dry	942	1,080	1,463	2,130	2,237	2,025	1,088	400	122	69	69	375
1960	Critical	369	465	658	1,426	1,781	1,076	631	466	200	16	16	249
1961	Critical	306	386	543	1,163	1,450	885	526	390	173	16	16	207
1962	Below Normal	877	1,760	2,229	3,259	3,326	2,914	1,633	575	152	99	99	1,934
1963	Above Normal	963	1,900	2,422	3,926	3,653	3,199	1,789	626	161	107	107	811
1964	Dry	560	1,018	1,410	2,055	2,158	1,954	1,051	388	120	67	1,267	1,575
1965	Wet	967	1,964	2,467	3,514	3,692	3,233	1,807	632	162	108	1,026	988
1966	Below Normal	694	1,888	2,488	2,353	2,470	2,235	1,197	435	128	70	477	1,605
1967	Wet	2,435	1,116	1,555	4,204	4,482	3,626	2,520	1,720	551	485	485	1,787
1968	Dry	495	897	1,241	1,805	1,897	1,718	930	349	113	61	61	332
1969	Wet	636	541	1,223	2,994	4,480	3,423	2,238	1,529	495	430	1,454	1,748
1970	Above Normal	1,134	1,507	1,893	2,691	2,830	2,481	1,396	499	139	86	86	653
1971	Below Normal	695	1,402	1,761	2,503	2,697	2,374	1,302	469	134	81	81	449
1972	Dry	559	1,017	1,408	2,051	2,154	1,950	1,050	387	120	67	67	375
1973	Above Normal	841	2,761	1,956	4,089	3,037	2,662	1,495	531	145	109	1,291	1,191
1974	Wet	1,956	2,910	3,360	4,138	3,208	2,811	1,576	557	149	96	96	739
1975	Wet	881	1,722	3,226	4,280	3,238	2,837	1,591	562	150	96	96	720
1976	Critical	426	534	759	1,654	2,068	1,241	722	532	223	16	16	286
1977	Critical	173	221	305	617	763	476	307	231	0	16	16	119
1978	Wet	846	1,143	1,881	4,326	4,486	3,717	2,428	1,658	533	467	1,452	2,009
1979	Above Normal	1,491	1,631	3,252	3,617	3,024	2,651	1,489	529	144	91	80	377
1980	Wet	895	2,230	3,249	4,460	4,486	3,560	2,195	892	277	219	391	1,154
1981	Dry	661	1,331	1,670	2,372	2,556	2,251	1,236	448	130	77	77	1,642
1982	Wet	2,307	541	2,927	4,461	3,969	3,563	2,197	2,093	1,477	151	112	568
1983	Wet	91	956	1,480	2,351	4,467	3,870	2,873	1,959	1,393	521	1,753	2,042
1984	Above Normal	1,257	1,738	2,183	3,105	3,263	2,860	1,603	566	151	97	97	751
1985	Dry	624	1,137	1,582	2,293	2,407	2,178	1,167	425	126	74	74	390
1986	Wet	465	3,033	3,530	4,429	3,498	3,064	1,715	602	157	103	103	804
1987	Critical	500	906	1,253	1,822	1,914	1,734	938	351	114	61	61	323
1988	Critical	389	489	693	1,507	1,883	1,134	663	490	208	16	16	262
1989	Critical	409	514	730	1,590	1,987	1,195	696	514	216	16	16	275
1990	Critical	316	399	562	1,205	1,503	915	543	402	178	16	16	214
1991	Critical	440	553	787	1,724	2,156	1,292	750	552	230	16	16	287
1992	Critical	384	483	684	1,483	1,852	1,117	654	482	205	16	16	791
1993	Wet	2,190	3,107	3,505	4,440	3,790	3,319	1,854	647	165	111	111	871
1994	Critical	558	1,014	1,404	2,044	2,147	1,944	1,046	386	120	67	657	1,574
1995	Wet	1,036	2,631	2,029	4,076	4,468	3,874	2,876	1,962	622	553	553	2,337
1996	Wet	829	2,935	3,396	4,309	3,268	2,864	1,605	567	151	91	91	658
1997	Wet	1,970	1,881	3,281	2,808	2,952	2,588	1,454	518	142	89	89	390
1998	Wet	902	566	1,578	2,573	4,481	3,577	2,657	1,813	578	511	511	1,953
1999	Above Normal	754	1,524	1,914	2,722	2,861	2,509	1,411	504	140	87	87	637
2000	Above Normal	825	1,601	3,209	3,403	2,953	2,589	1,455	518	142	89	89	681
2001	Dry	592	1,077	1,493	2,175	2,284	2,067	1,110	407	123	71	71	396
2002	Dry	553	1,005	1,392	2,025	2,127	1,926	1,037	383	119	67	67	370
2003	Below Normal	655	1,320	1,658	2,355	2,538	2,235	1,228	n/a	n/a	n/a	n/a	n/a

Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 2 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,284	1,343	2,055	3,024	3,803	3,557	2,642	1,803	576	508	508	1,942
1923	Above Normal	893	1,809	2,270	3,224	3,388	2,968	1,662	585	154	100	100	753
1924	Critical	296	373	525	1,121	1,398	855	509	378	169	16	16	200
1925	Below Normal	590	1,072	1,484	2,159	2,267	2,052	1,102	404	123	70	70	394
1926	Dry	585	1,064	1,471	2,141	2,248	2,034	1,093	401	122	70	70	390
1927	Above Normal	890	1,801	2,259	3,207	3,370	2,952	1,654	582	153	100	100	749
1928	Below Normal	613	1,114	1,541	2,240	2,352	2,128	1,141	417	125	72	72	408
1929	Critical	395	497	705	1,533	1,915	1,153	674	497	210	16	16	266
1930	Critical	379	476	674	1,465	1,830	1,104	647	477	204	16	16	255
1931	Critical	202	258	356	733	909	572	354	265	0	16	16	133
1932	Above Normal	854	1,728	2,168	3,077	3,234	2,834	1,589	561	150	96	96	745
1933	Dry	587	1,068	1,480	2,161	2,269	2,053	1,103	405	123	70	70	394
1934	Critical	326	411	578	1,244	1,552	943	558	413	182	16	16	220
1935	Above Normal	780	1,576	1,974	2,797	2,941	2,578	1,449	516	142	89	89	446
1936	Above Normal	896	1,776	2,276	3,229	3,393	2,973	1,665	586	154	100	100	390
1937	Wet	701	861	1,616	3,190	3,957	3,530	2,307	1,576	508	443	443	2,891
1938	Wet	395	1,153	1,869	4,168	4,474	3,998	2,968	2,023	641	571	571	2,186
1939	Dry	806	1,631	2,043	2,903	3,051	2,675	1,502	533	145	92	80	383
1940	Above Normal	796	1,606	2,013	2,853	2,999	2,629	1,477	525	144	90	90	601
1941	Wet	1,255	1,311	1,937	3,080	3,958	3,717	2,583	1,763	564	497	497	1,898
1942	Wet	1,227	1,283	1,962	3,011	3,868	3,634	2,526	1,724	552	486	380	1,855
1943	Wet	326	933	1,810	3,218	3,993	3,562	2,328	1,590	513	447	447	1,647
1944	Below Normal	634	1,153	1,598	2,324	2,440	2,207	1,182	430	127	74	74	390
1945	Above Normal	994	2,016	2,531	3,597	3,779	3,309	1,849	645	164	110	110	868
1946	Above Normal	822	1,661	2,082	2,953	3,104	2,721	1,527	541	146	93	93	715
1947	Dry	593	1,078	1,492	2,169	2,278	2,062	1,107	406	123	70	70	382
1948	Below Normal	502	912	1,263	1,839	1,933	1,751	947	354	114	62	62	338
1949	Below Normal	567	1,032	1,429	2,081	2,185	1,978	1,064	392	121	68	68	380
1950	Below Normal	593	1,079	1,491	2,168	2,277	2,060	1,107	406	122	70	70	395
1951	Above Normal	910	1,843	2,314	3,290	3,457	3,029	1,695	596	156	102	102	768
1952	Wet	980	1,069	1,831	3,011	3,698	3,698	2,746	1,873	596	528	528	2,020
1953	Below Normal	785	1,589	1,994	2,834	2,979	2,612	1,467	522	143	90	90	687
1954	Below Normal	590	1,072	1,483	2,156	2,264	2,049	1,101	404	123	70	70	393
1955	Dry	585	1,064	1,476	2,152	2,260	2,045	1,099	403	123	70	70	379
1956	Wet	1,356	1,418	2,170	3,064	3,764	3,764	2,795	1,906	606	538	538	2,057
1957	Below Normal	763	1,540	1,932	2,742	2,883	2,528	1,422	507	141	87	87	665
1958	Wet	1,113	872	1,825	2,986	3,837	3,604	2,505	1,710	548	482	482	1,839
1959	Dry	618	1,125	1,556	2,266	2,379	2,153	1,154	421	126	73	73	398
1960	Critical	368	463	655	1,418	1,771	1,070	628	464	199	16	16	248
1961	Critical	297	376	529	1,131	1,409	861	513	380	170	16	16	202
1962	Below Normal	784	1,584	1,984	2,814	2,958	2,594	1,457	519	143	89	89	682
1963	Above Normal	936	1,896	2,380	3,382	3,554	3,113	1,742	611	158	104	104	789
1964	Dry	556	1,011	1,400	2,043	2,146	1,943	1,046	386	120	67	67	374
1965	Wet	1,002	2,034	2,553	3,630	3,814	3,340	1,866	651	165	111	111	876
1966	Below Normal	661	1,329	1,663	2,355	2,537	2,234	1,228	445	130	70	70	438
1967	Wet	1,436	1,338	1,901	2,968	3,721	3,998	2,968	2,023	641	571	571	2,111
1968	Dry	781	1,579	1,981	2,814	2,958	2,594	1,457	519	143	89	80	390
1969	Wet	949	793	1,769	2,869	4,476	3,998	2,968	2,023	641	571	571	2,186
1970	Above Normal	1,060	1,738	2,102	3,853	3,947	3,543	2,185	888	276	218	218	929
1971	Below Normal	642	1,169	1,618	2,356	2,473	2,237	1,198	435	128	75	75	413
1972	Dry	555	1,008	1,398	2,039	2,141	1,939	1,044	385	120	67	67	373
1973	Above Normal	860	1,740	2,079	3,107	3,265	2,861	1,604	566	151	97	97	752
1974	Wet	1,085	1,135	1,732	3,084	3,825	3,413	2,231	1,525	493	429	429	1,634
1975	Wet	876	1,772	2,226	3,159	3,320	2,909	1,630	575	152	98	98	738
1976	Critical	425	534	759	1,658	2,073	1,244	724	533	223	16	16	286
1977	Critical	167	213	293	591	731	418	297	224	0	16	16	115
1978	Wet	1,084	1,406	2,292	2,968	3,721	3,998	2,968	2,023	641	571	571	2,186
1979	Above Normal	1,243	1,299	1,985	3,048	3,916	3,679	2,557	1,745	558	492	123	1,257
1980	Wet	1,237	1,501	2,301	3,181	3,721	3,998	2,968	2,023	641	571	571	2,186
1981	Dry	809	1,634	2,049	2,908	3,057	2,680	1,505	534	145	92	92	704
1982	Wet	1,436	878	2,301	2,968	3,721	3,998	2,968	2,023	641	503	270	1,362
1983	Wet	128	1,028	1,578	2,446	4,476	3,998	2,968	2,023	686	539	1,771	2,111
1984	Above Normal	1,289	1,349	2,063	3,039	3,823	3,576	2,656	1,812	578	511	511	1,952
1985	Dry	651	1,309	1,638	2,318	2,498	2,200	1,210	439	129	76	76	390
1986	Wet	831	1,404	2,161	3,784	3,793	3,793	2,816	1,921	610	542	542	2,073
1987	Critical	590	1,072	1,483	2,160	2,268	2,053	1,103	404	123	70	70	380
1988	Critical	385	484	686	1,491	1,863	1,123	657	485	206	16	16	259
1989	Critical	402	505	715	1,557	1,946	1,171	683	504	213	16	16	270
1990	Critical	309	390	548	1,176	1,466	894	531	393	175	16	16	209
1991	Critical	433	544	773	1,690	2,114	1,268	737	543	226	16	16	281
1992	Critical	375	471	665	1,441	1,799	1,086	637	470	201	16	16	251
1993	Wet	1,133	1,185	1,810	3,215	3,989	3,559	2,326	1,588	512	447	447	1,705
1994	Critical	540	980	1,357	1,979	2,079	1,882	1,014	376	118	65	65	362
1995	Wet	1,095	1,501	2,125	3,393	4,476	3,998	2,968	2,023	641	571	571	2,111
1996	Wet	1,245	2,552	3,014	4,062	3,894	3,642	2,705	1,845	588	294	123	1,895
1997	Wet	1,936	1,529	3,213	3,033	3,898	3,661	2,545	1,737	556	489	489	1,204
1998	Wet	1,048	730	1,828	2,500	4,476	3,998	2,968	2,023	641	571	571	2,186
1999	Above Normal	1,075	1,128	1,722	3,060	3,796	3,387	2,215	1,513	490	425	425	1,566
2000	Above Normal	796	1,606	2,013	2,854	3,000	2,630	1,477	525	144	90	90	691
2001	Dry	585	1,064	1,474	2,145	2,252	2,038	1,095	402	122	70	70	391
2002	Dry	546	993	1,373	2,000	2,100	1,902	1,025	379	119	66	66	366
2003	Below Normal	598	1,087	1,505	2,187	2,297	2,079	1,116	n/a	n/a	n/a	n/a	n/a

Change in Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 2 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-878	-1,742	-1,567	-1,413	150	358	854	1,177	415	401	-588	648
1923	Above Normal	46	92	113	154	161	140	77	25	4	4	4	35
1924	Critical	0	0	0	2	3	1	1	1	0	0	0	0
1925	Below Normal	-37	-69	-99	-150	-157	-141	-73	-24	-4	-4	-4	-26
1926	Dry	-17	-33	-224	-44	-46	-41	-21	-7	-1	-1	-1	-162
1927	Above Normal	-1	57	-1,149	-1,123	81	71	39	12	2	2	2	18
1928	Below Normal	-56	-236	-488	-111	-182	-103	-85	-27	-5	-5	-5	-30
1929	Critical	2	3	3	5	7	4	2	2	1	0	0	1
1930	Critical	-8	-10	-16	-35	-44	-25	-14	-10	-3	0	0	-6
1931	Critical	-8	-10	-16	-36	-45	-26	-14	-10	0	0	0	-6
1932	Above Normal	-69	-86	-135	-1,170	-217	-189	-104	-33	-6	-6	-6	-49
1933	Dry	-19	-37	-52	-75	-78	-71	-36	-12	-2	-2	-2	-13
1934	Critical	-8	-10	-16	-33	-42	-24	-13	-10	-3	0	0	-5
1935	Above Normal	-74	-89	-124	-1,354	-161	-141	-77	-25	-4	-4	-4	-35
1936	Above Normal	-275	136	-1,038	-66	263	230	126	41	7	7	7	0
1937	Wet	193	-495	-296	-931	887	839	796	1,040	363	-186	-849	983
1938	Wet	69	371	181	-294	-13	418	760	1,126	363	351	11	1,093
1939	Dry	17	-668	661	891	939	762	472	152	26	25	14	30
1940	Above Normal	-14	38	-1,152	-558	122	107	58	19	3	3	3	28
1941	Wet	-952	-1,851	-547	-1,367	-28	326	490	910	297	288	-912	-18
1942	Wet	271	-1,719	-1,423	-1,421	247	462	752	1,099	392	379	278	-178
1943	Wet	-181	-531	-1,547	-120	790	755	753	1,033	364	352	352	935
1944	Below Normal	-30	-186	-84	-67	-137	-61	-64	-21	-4	-3	-3	0
1945	Above Normal	51	161	-736	-614	229	200	109	35	6	-673	-1,194	-108
1946	Above Normal	5	39	-893	152	160	139	76	25	4	4	-93	-334
1947	Dry	-20	-39	-222	-57	-60	-54	-28	-9	-2	-1	-1	-10
1948	Below Normal	-1	0	-1	-3	-3	-3	-1	0	0	0	0	-1
1949	Below Normal	-9	-16	-23	-35	-37	-33	-17	-6	-1	-1	-1	-6
1950	Below Normal	-53	-220	-139	-148	-219	-137	-102	-33	0	-1,205	-1,205	-1,236
1951	Above Normal	229	470	591	841	819	706	421	136	23	23	23	-872
1952	Wet	274	-666	89	-1,439	-94	293	645	1,018	329	318	-394	930
1953	Below Normal	86	178	222	315	265	222	157	51	9	8	8	219
1954	Below Normal	-31	-58	-84	-128	-134	-121	-62	-20	-3	-3	-3	-22
1955	Dry	-14	-26	-36	-53	-55	-49	-26	-8	-1	0	0	-1,209
1956	Wet	-370	-1,665	-1,233	-1,176	-87	392	912	1,250	440	426	426	1,172
1957	Below Normal	42	83	102	139	146	127	70	22	4	4	4	33
1958	Wet	192	-737	-611	-1,462	63	215	414	858	282	273	273	950
1959	Dry	-324	45	94	136	142	128	66	21	4	4	4	23
1960	Critical	-1	-1	-4	-8	-9	-5	-3	-2	-1	0	0	-1
1961	Critical	-8	-10	-15	-32	-41	-24	-13	-9	-3	0	0	-5
1962	Below Normal	-93	-176	-245	-445	-368	-320	-175	-57	-10	-9	-9	-1,252
1963	Above Normal	-27	-4	-42	-544	-99	-86	-47	-15	-3	-3	-3	-22
1964	Dry	-4	-8	-10	-11	-12	-11	-5	-2	0	0	-1,200	-1,202
1965	Wet	35	70	86	116	122	106	58	19	3	3	-915	-111
1966	Below Normal	-33	-559	-825	1	67	0	31	10	2	0	-400	-1,167
1967	Wet	-999	223	347	-1,236	-762	372	448	303	90	87	87	324
1968	Dry	286	683	740	1,009	1,062	875	528	170	29	28	19	58
1969	Wet	313	251	546	-125	-4	575	730	494	146	141	-883	438
1970	Above Normal	-74	231	209	1,162	1,117	1,062	789	389	137	132	132	277
1971	Below Normal	-53	-233	-143	-148	-224	-137	-104	-34	-6	-6	-6	-36
1972	Dry	-4	-9	-10	-12	-13	-12	-6	-2	0	0	0	-2
1973	Above Normal	19	-1,021	123	-982	228	199	109	35	6	-12	-1,194	-440
1974	Wet	-871	-1,774	-1,628	-1,054	618	602	655	967	344	333	333	895
1975	Wet	-5	50	-1,000	-1,121	83	72	39	13	2	2	2	18
1976	Critical	0	0	0	4	5	3	2	1	0	0	0	1
1977	Critical	-6	-8	-12	-25	-32	-58	-10	-7	0	0	0	-4
1978	Wet	237	263	412	-1,358	-765	282	540	366	108	105	-881	177
1979	Above Normal	-248	-333	-1,267	-570	892	1,028	1,068	1,216	414	401	43	880
1980	Wet	342	-729	-948	-1,280	-765	438	772	1,131	364	352	180	1,032
1981	Dry	148	303	379	536	501	429	268	87	15	14	14	-937
1982	Wet	-871	337	-626	-1,493	-248	435	770	-69	-836	352	157	795
1983	Wet	36	71	98	95	9	129	95	64	-707	18	18	69
1984	Above Normal	32	-389	-119	-66	560	716	1,053	1,246	428	414	414	1,201
1985	Dry	27	172	57	26	91	22	42	14	2	2	2	0
1986	Wet	366	-1,630	-1,369	-646	295	729	1,102	1,319	453	439	439	1,268
1987	Critical	90	166	230	338	354	319	165	53	9	9	9	57
1988	Critical	-4	-5	-8	-16	-20	-12	-6	-5	-2	0	0	-3
1989	Critical	-7	-9	-15	-33	-41	-24	-13	-9	-3	0	0	-5
1990	Critical	-7	-8	-14	-30	-37	-22	-12	-9	-3	0	0	-5
1991	Critical	-7	-9	-14	-33	-42	-24	-13	-10	-3	0	0	-5
1992	Critical	-9	-12	-19	-42	-53	-30	-17	-12	-4	0	0	-540
1993	Wet	-1,057	-1,921	-1,695	-1,224	199	240	471	941	348	336	336	834
1994	Critical	-18	-34	-47	-66	-69	-62	-32	-10	-2	-2	-592	-1,211
1995	Wet	59	-1,130	95	-683	8	124	91	62	18	18	18	-226
1996	Wet	416	-384	-381	-247	626	778	1,100	1,279	437	203	32	1,237
1997	Wet	-34	-352	-68	225	946	1,073	1,090	1,219	414	400	400	814
1998	Wet	146	164	250	-73	-5	421	311	211	62	60	60	233
1999	Above Normal	321	-397	-193	339	935	878	804	1,009	350	339	339	928
2000	Above Normal	-29	5	-1,196	-549	47	41	22	7	1	1	1	11
2001	Dry	-7	-14	-19	-30	-32	-28	-15	-5	-1	-1	-1	-5
2002	Dry	-7	-12	-18	-26	-27	-24	-13	-4	-1	-1	-1	-4
2003	Below Normal	-57	-233	-152	-168	-241	-156	-112	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Friant-Kern Canal Diversions (Node D18A)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-41%	-56%	-43%	-32%	4%	11%	48%	188%	257%	375%	-54%	50%
1923	Above Normal	5%	5%	5%	5%	5%	5%	5%	4%	3%	4%	4%	5%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	-6%	-6%	-6%	-6%	-6%	-6%	-6%	-5%	-3%	-5%	-5%	-6%
1926	Dry	-3%	-3%	-13%	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-29%
1927	Above Normal	0%	3%	-34%	-26%	2%	2%	2%	2%	1%	2%	2%	2%
1928	Below Normal	-8%	-17%	-24%	-5%	-7%	-5%	-7%	-6%	-4%	-6%	-6%	-7%
1929	Critical	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1931	Critical	-4%	-4%	-4%	-5%	-5%	-4%	-4%	-4%	-	0%	0%	-4%
1932	Above Normal	-7%	-5%	-6%	-28%	-6%	-6%	-6%	-6%	-4%	-5%	-5%	-6%
1933	Dry	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-3%	-3%	-3%
1934	Critical	-2%	-2%	-3%	-3%	-3%	-2%	-2%	-2%	-2%	0%	0%	-2%
1935	Above Normal	-9%	-5%	-6%	-33%	-5%	-5%	-5%	-5%	-3%	-4%	-4%	-7%
1936	Above Normal	-23%	8%	-31%	-2%	8%	8%	8%	7%	5%	7%	7%	0%
1937	Wet	38%	-37%	-15%	-23%	29%	31%	53%	194%	249%	-30%	-66%	52%
1938	Wet	21%	47%	11%	-7%	0%	12%	34%	126%	130%	159%	2%	100%
1939	Dry	2%	-29%	48%	44%	44%	40%	46%	40%	22%	38%	22%	8%
1940	Above Normal	-2%	2%	-36%	-16%	4%	4%	4%	4%	2%	4%	4%	5%
1941	Wet	-43%	-59%	-22%	-31%	-1%	10%	23%	107%	112%	138%	-65%	-1%
1942	Wet	28%	-57%	-42%	-32%	17%	15%	42%	176%	245%	357%	274%	-9%
1943	Wet	-36%	-36%	-46%	-4%	25%	27%	48%	186%	244%	368%	368%	131%
1944	Below Normal	-5%	-14%	-5%	-3%	-5%	-3%	-5%	-5%	-3%	-4%	-4%	0%
1945	Above Normal	5%	9%	-23%	-15%	6%	6%	6%	6%	4%	-86%	-92%	-11%
1946	Above Normal	1%	2%	-30%	5%	5%	5%	5%	5%	3%	5%	-50%	-32%
1947	Dry	-3%	-3%	-13%	-3%	-3%	-3%	-2%	-2%	-1%	-2%	-2%	-2%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-1%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-2%
1950	Below Normal	-8%	-17%	-9%	-6%	-9%	-6%	-8%	-7%	0%	-94%	-94%	-76%
1951	Above Normal	34%	34%	34%	34%	31%	30%	33%	30%	18%	28%	28%	-53%
1952	Wet	39%	-38%	5%	-32%	-2%	9%	31%	119%	123%	152%	-43%	85%
1953	Below Normal	12%	13%	13%	12%	10%	9%	12%	11%	7%	10%	10%	47%
1954	Below Normal	-5%	-5%	-5%	-6%	-6%	-6%	-5%	-5%	-3%	-5%	-5%	-5%
1955	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-76%
1956	Wet	-21%	-54%	-36%	-28%	-2%	12%	48%	190%	265%	380%	380%	132%
1957	Below Normal	6%	6%	6%	5%	5%	5%	5%	5%	3%	4%	4%	5%
1958	Wet	21%	-46%	-25%	-33%	2%	6%	20%	101%	106%	-33%	131%	107%
1959	Dry	-34%	4%	6%	6%	6%	6%	6%	5%	3%	5%	5%	6%
1960	Critical	0%	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%
1961	Critical	-3%	-2%	-3%	-3%	-3%	-3%	-2%	-2%	-2%	0%	0%	-3%
1962	Below Normal	-11%	-10%	-11%	-14%	-11%	-11%	-11%	-10%	-6%	-10%	-10%	-65%
1963	Above Normal	-3%	0%	-2%	-14%	-3%	-3%	-2%	-2%	-2%	-2%	-2%	-3%
1964	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-95%	-76%
1965	Wet	4%	4%	3%	3%	3%	3%	3%	3%	2%	3%	-89%	-11%
1966	Below Normal	-5%	-30%	-33%	0%	3%	0%	3%	2%	1%	0%	-84%	-73%
1967	Wet	-41%	20%	22%	-29%	-17%	10%	18%	18%	16%	18%	18%	18%
1968	Dry	58%	76%	60%	56%	57%	51%	57%	49%	26%	47%	32%	18%
1969	Wet	49%	46%	45%	-4%	0%	17%	33%	32%	30%	33%	-61%	25%
1970	Above Normal	-7%	15%	11%	43%	39%	43%	57%	78%	98%	154%	154%	42%
1971	Below Normal	-8%	-17%	-8%	-6%	-8%	-6%	-8%	-7%	-4%	-7%	-7%	-8%
1972	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	-1%
1973	Above Normal	2%	-37%	6%	-24%	8%	7%	7%	4%	4%	-11%	-92%	-37%
1974	Wet	-45%	-61%	-48%	-25%	19%	21%	42%	174%	231%	348%	348%	121%
1975	Wet	-1%	3%	-31%	-26%	3%	3%	2%	2%	1%	2%	2%	3%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-4%	-4%	-4%	-4%	-4%	-12%	-3%	-3%	-	0%	0%	-3%
1978	Wet	28%	23%	22%	-31%	-17%	8%	22%	22%	20%	22%	-61%	9%
1979	Above Normal	-17%	-20%	-39%	-16%	30%	39%	72%	230%	287%	441%	53%	233%
1980	Wet	38%	-33%	-29%	-29%	-17%	12%	35%	127%	132%	161%	46%	89%
1981	Dry	22%	23%	23%	20%	23%	19%	22%	19%	11%	19%	19%	-57%
1982	Wet	-38%	62%	-21%	-33%	-6%	12%	35%	-3%	-57%	234%	140%	140%
1983	Wet	40%	7%	7%	4%	0%	3%	3%	3%	-51%	4%	1%	3%
1984	Above Normal	3%	-22%	-5%	-2%	17%	25%	66%	220%	284%	427%	427%	160%
1985	Dry	4%	15%	4%	1%	4%	1%	4%	3%	2%	3%	3%	0%
1986	Wet	79%	-54%	-39%	-15%	8%	24%	64%	219%	289%	426%	426%	158%
1987	Critical	18%	18%	18%	19%	18%	18%	18%	15%	8%	14%	14%	18%
1988	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1990	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%
1992	Critical	-2%	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-68%
1993	Wet	-48%	-62%	-48%	-28%	5%	7%	25%	146%	211%	304%	304%	96%
1994	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-1%	-3%	-90%	-77%
1995	Wet	6%	-43%	5%	-17%	0%	3%	3%	3%	3%	3%	3%	-10%
1996	Wet	50%	-13%	-11%	-6%	19%	27%	69%	226%	290%	223%	35%	188%
1997	Wet	-2%	-19%	-2%	8%	32%	41%	75%	235%	290%	449%	449%	208%
1998	Wet	16%	29%	16%	-3%	0%	12%	12%	12%	11%	12%	12%	12%
1999	Above Normal	43%	-26%	-10%	12%	33%	35%	57%	200%	250%	391%	391%	146%
2000	Above Normal	-3%	0%	-37%	-16%	2%	2%	2%	1%	1%	1%	1%	2%
2001	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2003	Below Normal	-9%	-18%	-9%	-7%	-9%	-7%	-9%	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	513	972	1,250	1,226	1,064	400	48	5	0	10	5
1923	Above Normal	123	340	649	899	1,051	911	339	41	7	0	0	0
1924	Critical	0	0	130	363	444	308	45	0	0	0	0	0
1925	Below Normal	0	0	270	813	988	681	109	0	0	0	0	0
1926	Dry	0	0	284	750	912	629	100	0	0	0	0	6
1927	Above Normal	126	347	869	1,122	1,078	935	349	41	2	0	0	1
1928	Below Normal	0	0	351	866	1,052	725	117	0	0	0	0	0
1929	Critical	0	0	169	489	595	412	63	0	0	0	0	0
1930	Critical	0	0	166	480	585	405	61	0	0	0	0	0
1931	Critical	0	0	96	256	313	143	107	0	0	0	0	0
1932	Above Normal	133	366	706	1,140	1,144	993	372	47	16	0	0	0
1933	Dry	0	0	258	776	943	651	104	0	0	0	0	0
1934	Critical	0	0	145	412	502	349	52	0	0	0	0	0
1935	Above Normal	67	119	668	1,113	1,067	925	345	50	0	0	0	59
1936	Above Normal	62	340	908	918	1,011	877	326	34	6	0	0	99
1937	Wet	34	522	852	1,117	987	855	317	38	0	5	27	0
1938	Wet	0	235	1,144	1,250	1,250	1,221	462	35	26	0	3	26
1939	Dry	29	201	231	687	835	577	91	0	0	0	0	0
1940	Above Normal	83	303	824	1,178	1,250	933	145	0	0	0	0	140
1941	Wet	0	24	1,061	1,250	1,250	1,143	431	35	15	0	49	11
1942	Wet	78	576	917	1,231	1,213	1,053	395	48	5	0	146	31
1943	Wet	175	403	913	939	1,041	903	336	41	5	0	0	0
1944	Below Normal	0	0	293	886	1,076	742	119	0	0	0	0	190
1945	Above Normal	112	379	883	1,159	1,191	1,034	388	48	5	7	22	16
1946	Above Normal	117	314	759	799	935	810	300	36	0	0	1	31
1947	Dry	0	0	289	771	937	647	103	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	241	720	875	604	96	0	0	0	0	0
1950	Below Normal	0	0	281	848	1,029	710	114	0	0	217	78	65
1951	Above Normal	0	0	302	916	1,113	767	124	0	0	0	0	0
1952	Wet	3	282	1,071	1,250	1,250	1,195	451	67	10	0	7	15
1953	Below Normal	0	0	313	953	1,157	797	129	0	0	0	0	0
1954	Below Normal	0	0	266	801	972	671	107	0	0	0	0	0
1955	Dry	0	0	253	760	924	638	101	0	0	146	291	26
1956	Wet	237	593	939	1,215	1,250	1,172	442	59	16	0	0	0
1957	Below Normal	0	0	327	996	1,209	834	135	0	0	0	0	0
1958	Wet	68	7	1,078	1,250	1,250	1,184	447	66	21	0	0	0
1959	Dry	57	4	243	725	881	608	96	0	0	0	0	0
1960	Critical	0	0	159	458	558	387	58	0	0	0	0	0
1961	Critical	0	0	134	377	460	320	47	0	0	0	0	0
1962	Below Normal	94	354	682	957	1,100	954	356	44	7	0	0	49
1963	Above Normal	146	388	751	1,125	1,226	1,064	400	42	6	0	0	1
1964	Dry	0	0	234	700	850	587	93	0	0	0	41	76
1965	Wet	147	405	768	1,064	1,242	1,078	405	49	5	0	9	6
1966	Below Normal	0	81	428	835	1,015	700	112	0	0	0	4	49
1967	Wet	233	17	1,250	1,250	1,250	1,250	813	257	15	11	9	55
1968	Dry	0	0	209	617	750	518	81	0	0	0	0	147
1969	Wet	7	325	1,159	1,250	1,250	1,156	646	70	19	0	10	4
1970	Above Normal	38	0	341	1,042	1,250	884	144	0	0	0	0	0
1971	Below Normal	0	0	311	945	1,147	791	128	0	0	0	0	0
1972	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1973	Above Normal	24	510	805	1,059	973	843	313	33	1	1	84	21
1974	Wet	226	516	850	1,073	1,043	904	337	41	5	0	0	0
1975	Wet	53	347	843	1,119	1,074	931	347	44	7	0	0	0
1976	Critical	0	0	181	528	643	445	68	0	0	0	0	0
1977	Critical	0	0	82	209	257	49	158	0	0	0	0	53
1978	Wet	5	10	1,250	1,250	1,250	1,250	735	171	10	0	10	2
1979	Above Normal	24	317	865	951	968	838	311	38	0	0	186	234
1980	Wet	40	718	1,074	1,250	1,250	1,213	458	59	21	0	1	31
1981	Dry	0	0	290	877	1,065	734	118	0	0	0	0	77
1982	Wet	10	140	1,174	1,250	1,250	1,250	542	241	92	232	249	11
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	239	79	37
1984	Above Normal	192	345	659	912	1,066	924	345	42	1	0	0	0
1985	Dry	0	0	269	805	978	675	108	0	0	0	0	252
1986	Wet	156	508	915	1,243	1,162	1,008	378	47	16	0	0	0
1987	Critical	0	0	211	622	757	523	82	0	0	0	0	0
1988	Critical	0	0	167	483	588	407	62	0	0	0	0	0
1989	Critical	0	0	175	508	619	428	65	0	0	0	0	0
1990	Critical	0	0	138	390	476	330	48	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	165	475	579	401	61	0	0	0	0	22
1993	Wet	68	542	961	1,250	1,250	1,164	439	60	5	0	0	0
1994	Critical	0	0	234	696	846	584	92	0	0	0	6	46
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,113	433	26	9	7	39
1996	Wet	148	519	910	1,124	1,068	926	345	38	2	148	715	135
1997	Wet	269	360	867	802	938	813	301	36	0	0	0	166
1998	Wet	0	96	1,250	1,250	1,250	1,250	928	204	54	42	34	56
1999	Above Normal	0	0	346	1,058	1,250	914	149	0	0	0	0	0
2000	Above Normal	23	317	806	901	938	813	301	7	9	4	3	3
2001	Dry	0	0	249	746	906	625	99	0	0	0	0	0
2002	Dry	0	0	232	690	839	579	91	0	0	0	0	0
2003	Below Normal	0	0	287	868	1,054	727	117	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Alternative 2 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	516	1,140	1,250	1,250	1,250	1,250	285	71	68	68	76
1923	Above Normal	132	364	692	956	1,117	969	363	47	16	0	0	0
1924	Critical	0	0	130	364	444	309	45	0	0	0	0	0
1925	Below Normal	0	0	247	737	896	619	98	0	0	0	0	0
1926	Dry	0	0	244	728	885	611	97	0	0	0	0	0
1927	Above Normal	126	362	689	951	1,111	964	360	42	2	0	0	1
1928	Below Normal	0	0	260	778	945	652	104	0	0	0	0	0
1929	Critical	0	0	170	490	597	414	63	0	0	0	0	0
1930	Critical	0	0	163	470	572	397	60	0	0	0	0	0
1931	Critical	0	0	93	245	300	104	138	0	0	0	0	0
1932	Above Normal	125	343	653	902	1,054	914	341	41	7	0	0	0
1933	Dry	0	0	246	738	897	619	98	0	0	0	0	0
1934	Critical	0	0	142	402	490	340	50	0	0	0	0	0
1935	Above Normal	64	115	615	849	993	860	319	46	0	0	0	0
1936	Above Normal	28	374	710	980	1,144	993	372	41	18	1	1	0
1937	Wet	10	551	940	1,242	1,250	1,250	814	167	13	0	0	0
1938	Wet	0	235	1,250	1,250	1,250	1,250	1,180	164	82	57	46	89
1939	Dry	115	317	605	837	979	848	315	38	0	0	0	0
1940	Above Normal	81	313	598	825	965	836	310	38	0	0	0	0
1941	Wet	0	24	1,183	1,250	1,250	1,250	1,250	148	71	68	68	76
1942	Wet	173	607	1,032	1,250	1,250	1,250	1,140	326	24	18	15	53
1943	Wet	50	564	949	1,247	1,250	1,250	823	168	13	0	0	0
1944	Below Normal	0	0	273	821	997	688	110	0	0	0	0	0
1945	Above Normal	118	422	798	1,102	1,250	1,140	429	56	5	0	0	0
1946	Above Normal	118	325	620	856	1,000	867	322	39	0	0	0	0
1947	Dry	0	0	249	743	902	623	99	0	0	0	0	0
1948	Below Normal	0	0	212	628	764	528	83	0	0	0	0	0
1949	Below Normal	0	0	237	708	861	594	94	0	0	0	0	0
1950	Below Normal	0	0	249	742	902	622	99	0	0	0	0	0
1951	Above Normal	136	373	709	981	1,145	994	372	47	5	0	0	0
1952	Wet	3	282	1,218	1,250	1,250	1,250	1,207	401	71	68	68	83
1953	Below Normal	111	306	586	812	949	822	304	37	0	0	0	0
1954	Below Normal	0	0	247	736	894	617	98	0	0	0	0	0
1955	Dry	0	0	245	734	892	616	98	0	0	0	0	0
1956	Wet	205	636	1,169	1,250	1,250	1,250	1,235	275	82	68	68	111
1957	Below Normal	0	0	350	1,069	1,250	934	152	0	0	0	0	0
1958	Wet	39	7	1,131	1,250	1,250	1,250	1,194	439	82	68	67	81
1959	Dry	0	0	264	792	962	664	106	0	0	0	0	0
1960	Critical	0	0	158	455	555	385	58	0	0	0	0	0
1961	Critical	0	0	131	367	448	311	45	0	0	0	0	0
1962	Below Normal	83	306	587	810	947	821	304	38	0	0	0	0
1963	Above Normal	141	387	735	1,015	1,185	1,029	386	41	6	0	0	0
1964	Dry	0	0	233	696	846	584	92	0	0	0	0	0
1965	Wet	154	424	801	1,107	1,250	1,149	433	56	5	0	0	0
1966	Below Normal	0	0	288	868	1,054	727	117	0	0	0	0	0
1967	Wet	178	17	1,250	1,250	1,250	1,250	1,250	433	71	68	68	105
1968	Dry	110	303	581	804	941	815	302	36	0	0	0	0
1969	Wet	7	325	1,250	1,250	1,250	1,250	1,180	155	71	61	49	59
1970	Above Normal	136	459	865	1,195	1,250	1,250	532	95	10	0	0	0
1971	Below Normal	0	0	278	837	1,016	701	112	0	0	0	0	0
1972	Dry	0	0	233	694	844	583	92	0	0	0	0	0
1973	Above Normal	25	354	674	934	1,091	946	353	37	3	2	1	1
1974	Wet	146	530	886	1,166	1,250	1,210	677	121	15	2	1	1
1975	Wet	53	361	687	948	1,107	961	359	46	7	0	0	0
1976	Critical	0	0	181	529	644	446	68	0	0	0	0	0
1977	Critical	0	0	79	201	247	49	151	0	0	0	0	0
1978	Wet	0	10	1,250	1,250	1,250	1,250	856	439	71	68	68	76
1979	Above Normal	114	568	1,064	1,250	1,250	1,250	1,244	255	51	40	32	42
1980	Wet	185	752	1,246	1,250	1,250	1,250	1,250	395	82	68	68	99
1981	Dry	116	317	607	839	981	850	316	38	0	0	0	0
1982	Wet	47	65	1,250	1,250	1,250	1,250	886	185	71	272	238	0
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	98	238	77	36
1984	Above Normal	212	656	1,089	1,250	1,250	1,250	1,250	205	71	68	68	92
1985	Dry	0	0	283	849	1,031	711	114	0	0	0	0	0
1986	Wet	45	545	1,203	1,250	1,250	1,250	1,121	434	82	68	68	86
1987	Critical	0	0	247	738	897	619	98	0	0	0	0	0
1988	Critical	0	0	165	478	582	403	61	0	0	0	0	0
1989	Critical	0	0	172	498	606	420	64	0	0	0	0	0
1990	Critical	0	0	135	381	465	323	47	0	0	0	0	0
1991	Critical	0	0	184	539	656	454	70	0	0	0	0	0
1992	Critical	0	0	161	462	563	390	59	0	0	0	0	0
1993	Wet	36	529	959	1,250	1,250	1,250	855	179	10	0	0	0
1994	Critical	0	0	226	674	820	566	89	0	0	0	0	0
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,190	434	29	11	9	23
1996	Wet	113	601	1,250	1,250	1,250	1,250	1,250	128	71	68	349	53
1997	Wet	271	670	1,250	1,250	1,250	1,250	1,153	373	15	11	9	0
1998	Wet	0	96	1,250	1,250	1,250	1,250	1,154	204	71	56	45	66
1999	Above Normal	169	523	876	1,151	1,250	1,185	662	126	10	0	0	0
2000	Above Normal	91	312	597	824	963	834	309	8	10	4	3	3
2001	Dry	0	0	245	730	887	613	97	0	0	0	0	0
2002	Dry	0	0	229	681	828	572	90	0	0	0	0	0
2003	Below Normal	0	0	252	752	913	631	100	n/a	n/a	n/a	n/a	n/a

Change in Simulated Madera Canal Diversions (Node D18B)
 Alternative 2 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	4	168	0	24	186	850	236	66	68	58	71
1923	Above Normal	9	24	43	57	66	58	24	6	9	0	0	0
1924	Critical	0	0	0	1	1	1	0	0	0	0	0	0
1925	Below Normal	0	0	-23	-76	-91	-63	-11	0	0	0	0	0
1926	Dry	0	0	-40	-22	-26	-18	-3	0	0	0	0	-6
1927	Above Normal	0	15	-180	-171	33	29	11	1	0	0	0	0
1928	Below Normal	0	0	-91	-88	-106	-73	-13	0	0	0	0	0
1929	Critical	0	0	1	2	2	1	0	0	0	0	0	0
1930	Critical	0	0	-3	-11	-13	-9	-2	0	0	0	0	0
1931	Critical	0	0	-3	-11	-13	-40	30	0	0	0	0	0
1932	Above Normal	-8	-23	-53	-238	-90	-79	-31	-6	-9	0	0	0
1933	Dry	0	0	-12	-38	-46	-31	-5	0	0	0	0	0
1934	Critical	0	0	-4	-10	-12	-8	-1	0	0	0	0	0
1935	Above Normal	-3	-5	-53	-264	-74	-65	-25	-4	0	0	0	-59
1936	Above Normal	-34	34	-198	62	133	117	46	7	12	1	1	-99
1937	Wet	-24	29	88	125	263	395	496	129	13	-5	-27	0
1938	Wet	0	0	106	0	0	29	718	129	56	57	43	63
1939	Dry	86	116	374	150	144	271	224	38	0	0	0	0
1940	Above Normal	-2	10	-225	-353	-285	-97	165	38	0	0	0	-140
1941	Wet	0	0	121	0	0	107	819	113	56	68	19	65
1942	Wet	95	31	115	19	37	197	745	278	19	18	-132	22
1943	Wet	-125	161	36	307	209	347	487	127	8	0	0	0
1944	Below Normal	0	0	-19	-66	-80	-55	-9	0	0	0	0	-190
1945	Above Normal	6	43	-85	-57	59	106	42	8	0	-7	-22	-16
1946	Above Normal	1	10	-139	56	66	57	23	3	0	0	-1	-31
1947	Dry	0	0	-41	-29	-35	-24	-4	0	0	0	0	0
1948	Below Normal	0	0	0	-1	-1	-1	0	0	0	0	0	0
1949	Below Normal	0	0	-3	-12	-14	-10	-2	0	0	0	0	0
1950	Below Normal	0	0	-32	-106	-128	-88	-15	0	0	-217	-78	-65
1951	Above Normal	136	373	407	64	33	227	248	47	5	0	0	0
1952	Wet	0	0	147	0	0	55	756	334	61	68	61	68
1953	Below Normal	111	306	273	-141	-208	25	176	37	0	0	0	0
1954	Below Normal	0	0	-19	-65	-78	-54	-9	0	0	0	0	0
1955	Dry	0	0	-8	-27	-32	-22	-4	0	0	-146	-291	-26
1956	Wet	-32	42	230	35	0	78	793	216	66	68	68	111
1957	Below Normal	0	0	24	72	41	100	17	0	0	0	0	0
1958	Wet	-30	0	54	0	0	66	747	373	61	68	67	81
1959	Dry	-57	-4	21	66	80	55	9	0	0	0	0	0
1960	Critical	0	0	-1	-2	-3	-2	0	0	0	0	0	0
1961	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1962	Below Normal	-11	-47	-95	-147	-153	-134	-53	-7	-7	0	0	-49
1963	Above Normal	-5	-1	-16	-110	-41	-36	-14	-1	0	0	0	-1
1964	Dry	0	0	-1	-4	-4	-3	-1	0	0	0	-41	-76
1965	Wet	7	19	33	43	8	70	28	7	0	0	-9	-6
1966	Below Normal	0	-81	-140	32	39	27	5	0	0	0	-4	-49
1967	Wet	-55	0	0	0	0	0	437	176	56	57	59	50
1968	Dry	110	303	372	188	191	296	221	36	0	0	-147	0
1969	Wet	0	0	91	0	0	94	534	84	51	61	39	55
1970	Above Normal	98	459	524	153	0	366	388	95	10	0	0	0
1971	Below Normal	0	0	-33	-108	-131	-90	-15	0	0	0	0	0
1972	Dry	0	0	-2	-4	-5	-3	-1	0	0	0	0	0
1973	Above Normal	1	-156	-131	-125	118	103	41	5	2	1	-82	-19
1974	Wet	-80	15	36	93	207	306	340	80	10	2	1	1
1975	Wet	0	13	-156	-171	34	30	12	1	0	0	0	0
1976	Critical	0	0	0	1	1	1	0	0	0	0	0	0
1977	Critical	0	0	-3	-8	-9	0	-8	0	0	0	0	-53
1978	Wet	-5	0	0	0	0	0	121	268	61	68	58	73
1979	Above Normal	90	252	199	299	282	412	933	217	51	40	-154	-192
1980	Wet	145	34	172	0	0	37	792	336	61	68	67	68
1981	Dry	116	317	317	-37	-83	116	198	38	0	0	0	-77
1982	Wet	37	-75	76	0	0	0	344	-57	-21	40	-11	-11
1983	Wet	0	0	0	0	0	0	0	0	-3	-2	-2	-2
1984	Above Normal	19	311	431	338	184	326	905	163	69	68	68	92
1985	Dry	0	0	13	44	53	36	6	0	0	0	0	-252
1986	Wet	-111	37	287	7	88	242	743	387	66	68	68	86
1987	Critical	0	0	36	116	140	96	17	0	0	0	0	0
1988	Critical	0	0	-2	-5	-6	-4	-1	0	0	0	0	0
1989	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1990	Critical	0	0	-3	-9	-11	-8	-1	0	0	0	0	0
1991	Critical	0	0	-3	-10	-12	-9	-1	0	0	0	0	0
1992	Critical	0	0	-4	-13	-16	-11	-2	0	0	0	0	-22
1993	Wet	-32	-12	-2	0	0	86	416	119	5	0	0	0
1994	Critical	0	0	-7	-22	-26	-18	-3	0	0	0	-6	-46
1995	Wet	0	0	0	0	0	0	77	0	3	2	2	-16
1996	Wet	-35	82	340	126	182	324	905	90	68	-80	-365	-82
1997	Wet	2	309	383	448	312	437	852	337	15	11	9	-166
1998	Wet	0	0	0	0	0	0	226	0	16	14	11	10
1999	Above Normal	169	523	529	93	0	271	513	126	10	0	0	0
2000	Above Normal	68	-5	-210	-78	24	21	8	0	0	0	0	0
2001	Dry	0	0	-4	-15	-18	-13	-2	0	0	0	0	0
2002	Dry	0	0	-3	-9	-10	-7	-1	0	0	0	0	0
2003	Below Normal	0	0	-35	-116	-141	-96	-17	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Madera Canal Diversions (Node D18B)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-	1%	17%	0%	2%	17%	213%	489%	1358%	-	567%	1472%
1923	Above Normal	7%	7%	7%	6%	6%	6%	7%	14%	122%	-	-	-
1924	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1925	Below Normal	-	-	-8%	-9%	-9%	-9%	-10%	-	-	-	-	-
1926	Dry	-	-	-14%	-3%	-3%	-3%	-3%	-	-	-	-	-100%
1927	Above Normal	0%	4%	-21%	-15%	3%	3%	3%	2%	6%	36%	36%	36%
1928	Below Normal	-	-	-26%	-10%	-10%	-10%	-11%	-	-	-	-	-
1929	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1930	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1931	Critical	-	-	-4%	-4%	-4%	-28%	28%	-	-	-	-	-
1932	Above Normal	-6%	-6%	-7%	-21%	-8%	-8%	-8%	-12%	-55%	-	-	-
1933	Dry	-	-	-5%	-5%	-5%	-5%	-5%	-	-	-	-	-
1934	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1935	Above Normal	-4%	-4%	-8%	-24%	-7%	-7%	-7%	-8%	-	-	-	-100%
1936	Above Normal	-55%	10%	-22%	7%	13%	13%	14%	21%	205%	-	-	-100%
1937	Wet	-70%	5%	10%	11%	27%	46%	156%	336%	-	-100%	-100%	-
1938	Wet	-	0%	9%	0%	0%	2%	156%	366%	217%	-	1360%	246%
1939	Dry	290%	58%	162%	22%	17%	47%	246%	-	-	-	-	-
1940	Above Normal	-2%	3%	-27%	-30%	-23%	-10%	114%	-	-	-	-	-100%
1941	Wet	-	0%	11%	0%	0%	9%	190%	322%	386%	-	39%	584%
1942	Wet	121%	5%	13%	2%	3%	19%	188%	582%	393%	-	-90%	71%
1943	Wet	-71%	40%	4%	33%	20%	38%	145%	313%	168%	-	-	-
1944	Below Normal	-	-	-7%	-7%	-7%	-7%	-8%	-	-	-	-	-100%
1945	Above Normal	6%	11%	-10%	-5%	5%	10%	11%	17%	0%	-100%	-100%	-100%
1946	Above Normal	1%	3%	-18%	7%	7%	7%	8%	8%	-	-	-100%	-100%
1947	Dry	-	-	-14%	-4%	-4%	-4%	-4%	-	-	-	-	-
1948	Below Normal	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1949	Below Normal	-	-	-1%	-2%	-2%	-2%	-2%	-	-	-	-	-
1950	Below Normal	-	-	-11%	-12%	-12%	-12%	-13%	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	135%	7%	3%	30%	201%	-	-	-	-	-
1952	Wet	0%	0%	14%	0%	0%	5%	168%	496%	629%	-	863%	462%
1953	Below Normal	-	-	87%	-15%	-18%	3%	136%	-	-	-	-	-
1954	Below Normal	-	-	-7%	-8%	-8%	-8%	-9%	-	-	-	-	-
1955	Dry	-	-	-3%	-3%	-3%	-3%	-4%	-	-	-100%	-100%	-100%
1956	Wet	-14%	7%	24%	3%	0%	7%	179%	369%	408%	-	-	-
1957	Below Normal	-	-	7%	7%	3%	12%	13%	-	-	-	-	-
1958	Wet	-43%	0%	5%	0%	0%	6%	167%	561%	291%	-	-	-
1959	Dry	-100%	-100%	9%	9%	9%	9%	10%	-	-	-	-	-
1960	Critical	-	-	0%	-1%	-1%	0%	-1%	-	-	-	-	-
1961	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-
1962	Below Normal	-12%	-13%	-14%	-15%	-14%	-14%	-15%	-15%	-100%	-	-	-100%
1963	Above Normal	-4%	0%	-2%	-10%	-3%	-3%	-3%	-2%	-2%	-100%	-100%	-100%
1964	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-100%	-100%
1965	Wet	5%	5%	4%	4%	1%	7%	7%	15%	0%	-	-100%	-100%
1966	Below Normal	-	-100%	-33%	4%	4%	4%	4%	-	-	-	-100%	-100%
1967	Wet	-24%	0%	0%	0%	0%	0%	54%	69%	386%	508%	660%	92%
1968	Dry	-	-	178%	30%	25%	0%	273%	-	-	-	-100%	-
1969	Wet	0%	0%	8%	0%	0%	8%	83%	120%	265%	-	367%	1248%
1970	Above Normal	260%	-	153%	15%	0%	41%	269%	-	-	-	-	-
1971	Below Normal	-	-	-11%	-11%	-11%	-11%	-12%	-	-	-	-	-
1972	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1973	Above Normal	3%	-31%	-16%	-12%	12%	12%	13%	15%	198%	102%	-98%	-94%
1974	Wet	-36%	3%	4%	9%	20%	34%	101%	196%	204%	-	-	-
1975	Wet	0%	4%	-19%	-15%	3%	3%	3%	3%	0%	-	-	-
1976	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1977	Critical	-	-	-3%	-4%	-4%	0%	-5%	-	-	-	-	-100%
1978	Wet	-100%	0%	0%	0%	0%	0%	16%	157%	629%	-	569%	3092%
1979	Above Normal	378%	79%	23%	31%	29%	49%	300%	578%	-	-	-83%	-82%
1980	Wet	362%	5%	16%	0%	0%	3%	173%	574%	291%	-	5317%	223%
1981	Dry	-	-	109%	-4%	-8%	-	167%	-	-	-	-	-100%
1982	Wet	372%	-53%	6%	0%	0%	0%	63%	-23%	-23%	17%	-4%	-100%
1983	Wet	-	0%	0%	0%	0%	0%	0%	0%	-3%	-1%	-2%	-4%
1984	Above Normal	10%	90%	65%	37%	17%	35%	263%	391%	4761%	-	-	-
1985	Dry	-	-	5%	5%	5%	5%	6%	-	-	-	-	-100%
1986	Wet	-71%	7%	31%	1%	8%	24%	197%	826%	408%	-	-	-
1987	Critical	-	-	17%	19%	19%	18%	20%	-	-	-	-	-
1988	Critical	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1989	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1990	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1991	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1992	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-100%
1993	Wet	-47%	-2%	0%	0%	0%	7%	95%	197%	100%	-	-	-
1994	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-100%	-100%
1995	Wet	-	0%	0%	0%	0%	0%	7%	0%	12%	27%	27%	-41%
1996	Wet	-23%	16%	37%	11%	17%	35%	262%	233%	3175%	-54%	-51%	-61%
1997	Wet	1%	86%	44%	56%	33%	54%	283%	926%	-	-	-	-100%
1998	Wet	-	0%	0%	0%	0%	0%	24%	0%	30%	34%	34%	18%
1999	Above Normal	-	-	153%	9%	0%	30%	345%	-	-	-	-	-
2000	Above Normal	291%	-1%	-26%	-9%	3%	3%	3%	5%	3%	5%	5%	5%
2001	Dry	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
2002	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
2003	Below Normal	-	-	-12%	-13%	-13%	-13%	-14%	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	22	43	60	138	189	174	98	36	6	5	5	29
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	79	102	61	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1929	Critical	21	25	47	111	143	86	38	25	8	0	0	13
1930	Critical	21	25	46	109	140	84	37	25	8	0	0	12
1931	Critical	10	12	22	52	67	36	22	12	0	0	0	6
1932	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	18	21	38	91	118	71	31	21	7	0	0	10
1935	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1937	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1938	Wet	17	28	56	129	191	177	100	38	12	6	6	30
1939	Dry	33	59	92	151	169	142	60	18	3	3	3	18
1940	Above Normal	31	52	86	158	188	152	71	21	4	4	3	20
1941	Wet	22	37	60	129	191	177	100	38	11	6	6	30
1942	Wet	22	43	64	138	189	174	98	36	6	5	5	29
1943	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	58	97	160	179	151	64	19	3	3	3	19
1950	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1951	Above Normal	37	62	98	158	182	149	65	20	3	3	3	20
1952	Wet	20	37	56	129	191	177	100	40	11	6	6	30
1953	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	22	37	60	129	191	177	100	40	12	6	6	30
1959	Dry	33	59	98	161	180	152	64	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	16	19	35	83	106	64	28	19	6	0	0	9
1962	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1963	Above Normal	22	43	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	57	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1967	Wet	11	19	43	101	185	188	122	64	15	7	7	34
1968	Dry	27	49	82	135	152	128	54	16	3	3	3	16
1969	Wet	17	28	52	115	193	181	104	50	13	7	7	30
1970	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1973	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1974	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	8	9	17	40	52	22	22	9	0	0	0	5
1978	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1979	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1980	Wet	17	28	56	129	191	177	100	40	12	6	6	30
1981	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1982	Wet	17	28	52	129	191	177	100	40	11	6	6	30
1983	Wet	3	9	35	101	183	197	130	69	23	8	8	34
1984	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1987	Critical	28	50	83	136	153	129	55	17	3	3	3	17
1988	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1989	Critical	22	27	49	116	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	163	98	43	29	10	0	0	14
1992	Critical	21	25	45	107	138	83	36	25	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	31	56	94	154	173	145	62	19	3	3	3	19
1995	Wet	3	9	30	101	183	197	130	78	20	7	7	34
1996	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1997	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1998	Wet	9	14	39	101	179	191	124	64	19	9	9	35
1999	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	56	93	153	171	144	61	19	3	3	3	19
2003	Below Normal	37	62	98	158	182	149	65	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 2 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	9	14	39	101	179	191	124	69	20	11	7	36
1923	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1924	Critical	15	18	33	79	102	62	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	181	153	65	20	3	3	3	20
1927	Above Normal	26	43	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1929	Critical	21	26	47	111	144	86	38	26	9	0	0	13
1930	Critical	20	24	44	106	137	82	36	24	8	0	0	12
1931	Critical	9	11	21	49	63	32	23	11	0	0	0	6
1932	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	17	20	37	89	115	69	30	20	7	0	0	10
1935	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	26	43	64	146	187	170	95	33	6	5	5	20
1937	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1938	Wet	3	5	30	101	183	197	130	66	23	10	9	37
1939	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1940	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1941	Wet	9	19	43	101	185	188	122	59	19	11	8	35
1942	Wet	11	19	43	101	185	188	122	64	16	8	7	34
1943	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1944	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1945	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	57	95	157	176	148	63	19	3	3	3	19
1950	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1951	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1952	Wet	9	14	35	100	181	194	128	76	21	7	7	36
1953	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	6	9	35	100	181	194	128	71	22	11	7	36
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	11	19	43	101	185	188	122	64	19	7	7	35
1959	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1960	Critical	20	24	43	102	132	79	35	24	8	0	0	12
1961	Critical	15	18	34	80	103	62	27	18	6	0	0	9
1962	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1963	Above Normal	26	43	64	146	187	170	95	33	5	5	5	20
1964	Dry	31	56	93	154	173	145	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1967	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1968	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1969	Wet	3	5	30	101	183	197	130	66	23	10	10	35
1970	Above Normal	20	33	56	129	191	177	100	40	11	6	6	30
1971	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1972	Dry	31	56	93	154	173	145	62	19	3	3	3	19
1973	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1974	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	7	9	16	38	49	19	21	9	0	0	0	4
1978	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1979	Above Normal	11	19	43	101	185	188	122	64	17	8	7	33
1980	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1981	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1982	Wet	3	5	30	101	183	197	130	68	23	11	7	32
1983	Wet	3	5	30	101	183	197	130	69	23	8	8	34
1984	Above Normal	9	14	39	101	179	191	124	64	20	11	11	37
1985	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1986	Wet	6	9	35	100	181	194	128	76	21	7	7	36
1987	Critical	33	59	98	162	182	153	65	20	3	3	3	20
1988	Critical	21	25	45	108	139	84	37	25	8	0	0	12
1989	Critical	22	26	48	113	146	88	38	26	9	0	0	13
1990	Critical	16	19	35	84	108	65	28	19	6	0	0	10
1991	Critical	24	28	52	124	159	96	42	28	9	0	0	14
1992	Critical	20	24	44	104	134	81	35	24	8	0	0	12
1993	Wet	14	28	52	115	193	181	104	52	12	7	7	30
1994	Critical	30	54	90	149	167	141	60	18	3	3	3	18
1995	Wet	3	5	30	101	183	197	130	78	20	7	7	33
1996	Wet	9	14	39	101	179	191	124	60	20	11	7	31
1997	Wet	9	19	39	101	185	188	122	64	15	7	7	31
1998	Wet	3	5	30	101	183	197	130	69	23	10	9	36
1999	Above Normal	17	28	52	115	193	181	104	52	12	7	7	30
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	55	92	151	169	142	60	18	3	3	3	18
2003	Below Normal	33	59	98	162	182	153	65	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
 Alternative 2 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-14	-28	-21	-37	-10	17	27	33	14	6	1	7
1923	Above Normal	-3	-5	-16	-4	-4	8	16	7	1	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	-5	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1929	Critical	0	0	0	0	1	0	0	0	0	0	0	0
1930	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1931	Critical	-1	-1	-1	-3	-4	-4	1	-1	0	0	0	0
1932	Above Normal	3	5	16	4	4	-8	-7	-1	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1935	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	-3	-5	-16	-10	-1	12	22	10	2	1	1	0
1937	Wet	-11	-24	-34	-42	5	23	30	29	9	3	3	10
1938	Wet	-14	-24	-26	-28	-8	20	30	28	11	4	3	8
1939	Dry	-2	-7	-6	6	19	16	13	5	1	1	1	1
1940	Above Normal	0	0	0	-1	0	6	3	3	0	0	1	0
1941	Wet	-14	-18	-16	-28	-6	10	21	21	7	5	2	6
1942	Wet	-11	-24	-21	-37	-4	14	24	28	10	2	2	5
1943	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1944	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1945	Above Normal	-3	-5	-5	-9	2	3	3	3	1	1	1	9
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	-1	-1	-2	-3	-3	-3	-1	0	0	0	0	0
1950	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1951	Above Normal	-11	-20	-33	-12	5	21	30	14	2	1	1	0
1952	Wet	-11	-23	-21	-29	-10	17	27	36	10	1	1	7
1953	Below Normal	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	-16	-28	-25	-38	-8	20	30	35	16	5	1	8
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	-11	-18	-16	-28	-6	10	21	25	7	1	1	6
1959	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1960	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0
1961	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1962	Below Normal	3	5	5	6	-2	-5	-6	-3	-1	-1	-1	0
1963	Above Normal	3	0	5	9	-3	-3	-3	-3	-1	-1	-3	-9
1964	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	-3	0	-3	0	0	0	0	0	0
1967	Wet	-9	-14	-13	0	-1	10	9	14	7	-1	-1	2
1968	Dry	3	2	4	22	36	31	19	7	1	1	1	3
1969	Wet	-14	-24	-22	-14	-10	16	27	16	10	4	3	5
1970	Above Normal	-13	-24	-34	-29	3	25	30	19	7	2	3	10
1971	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1972	Dry	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1973	Above Normal	0	-5	-5	-6	3	5	6	3	1	1	1	0
1974	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	-1	-2	-3	-4	-1	0	0	0	0	0
1978	Wet	-9	-19	-17	-13	-11	13	24	21	9	0	0	6
1979	Above Normal	-17	-33	-42	-56	-4	29	48	41	14	4	3	14
1980	Wet	-14	-24	-26	-28	-8	20	30	38	11	1	1	7
1981	Dry	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1982	Wet	-14	-24	-22	-28	-8	20	30	28	11	5	1	3
1983	Wet	0	-5	-5	0	0	0	0	0	0	0	0	0
1984	Above Normal	-20	-33	-42	-49	-11	28	45	38	15	6	6	17
1985	Dry	4	3	-1	-3	0	-3	0	0	0	0	0	0
1986	Wet	-20	-33	-30	-46	-6	24	33	42	16	2	2	17
1987	Critical	5	9	15	25	28	24	10	3	1	1	1	3
1988	Critical	0	0	-1	-1	-2	-1	0	0	0	0	0	0
1989	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1990	Critical	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	0
1991	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1992	Critical	-1	-1	-1	-3	-4	-3	-1	-1	0	0	0	0
1993	Wet	-9	-9	-8	-23	4	7	6	16	7	1	1	1
1994	Critical	-1	-2	-3	-5	-6	-5	-2	-1	0	0	0	-1
1995	Wet	0	-5	0	0	0	0	0	0	0	0	0	0
1996	Wet	-20	-33	-42	-49	-11	28	45	33	15	6	2	12
1997	Wet	-20	-33	-47	-56	-4	29	48	41	11	3	3	11
1998	Wet	-6	-10	-9	0	4	7	6	5	4	1	1	1
1999	Above Normal	-16	-28	-38	-43	5	29	33	31	8	3	3	10
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
2003	Below Normal	-4	-3	1	3	0	3	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-62%	-66%	-35%	-27%	-5%	10%	27%	91%	260%	105%	25%	24%
1923	Above Normal	-9%	-10%	-20%	-3%	-2%	5%	20%	26%	10%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1929	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	-	-	0%
1930	Critical	-2%	-2%	-3%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1931	Critical	-5%	-5%	-5%	-5%	-5%	-11%	4%	-5%	-	-	-	-5%
1932	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-9%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1935	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	-9%	-10%	-20%	-7%	-1%	8%	30%	41%	44%	17%	17%	0%
1937	Wet	-40%	-46%	-40%	-27%	3%	14%	41%	122%	220%	67%	67%	53%
1938	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	74%	93%	71%	59%	26%
1939	Dry	-6%	-12%	-6%	4%	11%	11%	21%	29%	29%	29%	29%	7%
1940	Above Normal	0%	0%	0%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1941	Wet	-62%	-49%	-27%	-22%	-3%	6%	21%	54%	64%	82%	31%	19%
1942	Wet	-50%	-55%	-33%	-27%	-2%	8%	25%	77%	186%	47%	42%	17%
1943	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	158%	43%	43%	53%
1944	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1945	Above Normal	-13%	-12%	-7%	-6%	1%	2%	3%	8%	13%	14%	14%	47%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1950	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1951	Above Normal	-30%	-32%	-34%	-8%	3%	14%	47%	71%	49%	40%	40%	0%
1952	Wet	-57%	-61%	-38%	-23%	-5%	10%	27%	92%	92%	13%	11%	24%
1953	Below Normal	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-74%	-75%	-42%	-27%	-4%	12%	31%	96%	253%	104%	25%	26%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-50%	-49%	-27%	-22%	-3%	6%	21%	62%	60%	11%	11%	19%
1959	Dry	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Critical	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-	-	-1%
1961	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1962	Below Normal	9%	10%	7%	4%	-1%	-3%	-8%	-11%	-22%	-14%	-14%	0%
1963	Above Normal	15%	0%	8%	6%	-1%	-2%	-3%	-7%	-12%	-12%	-12%	-32%
1964	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	-76%	-76%	-30%	0%	-1%	5%	7%	21%	48%	-8%	-8%	7%
1968	Dry	12%	5%	4%	16%	24%	35%	44%	44%	44%	44%	44%	20%
1969	Wet	-85%	-84%	-42%	-12%	-5%	9%	26%	33%	74%	57%	46%	17%
1970	Above Normal	-40%	-42%	-38%	-18%	1%	16%	42%	89%	181%	50%	80%	50%
1971	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1972	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1973	Above Normal	0%	-9%	-6%	-4%	1%	3%	8%	13%	21%	17%	17%	0%
1974	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	160%	43%	43%	53%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	0%
1977	Critical	-5%	-5%	-5%	-5%	-5%	-16%	-5%	-5%	-	-	-	-5%
1978	Wet	-76%	-81%	-36%	-11%	-6%	7%	23%	36%	65%	21%	0%	20%
1979	Above Normal	-60%	-63%	-50%	-35%	-2%	19%	66%	172%	344%	99%	67%	69%
1980	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	97%	93%	11%	11%	24%
1981	Dry	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1982	Wet	-85%	-84%	-42%	-22%	-4%	11%	30%	71%	104%	82%	11%	9%
1983	Wet	0%	-50%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	-70%	-69%	-52%	-33%	-6%	17%	57%	141%	326%	134%	134%	86%
1985	Dry	12%	6%	-1%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1986	Wet	-77%	-78%	-46%	-32%	-3%	14%	34%	126%	285%	43%	43%	85%
1987	Critical	18%	18%	18%	19%	19%	19%	19%	19%	19%	19%	19%	19%
1988	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-	-	-1%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1990	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1992	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1993	Wet	-38%	-25%	-13%	-17%	2%	4%	6%	44%	124%	25%	25%	5%
1994	Critical	-4%	-4%	-4%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
1995	Wet	0%	-50%	0%	0%	0%	0%	0%	0%	1%	2%	2%	-1%
1996	Wet	-70%	-69%	-52%	-33%	-6%	17%	57%	124%	323%	134%	43%	60%
1997	Wet	-70%	-63%	-55%	-35%	-2%	19%	66%	172%	289%	84%	81%	57%
1998	Wet	-69%	-68%	-22%	0%	2%	3%	5%	7%	19%	10%	8%	4%
1999	Above Normal	-48%	-50%	-42%	-27%	2%	19%	47%	150%	215%	67%	100%	53%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2003	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	90	130	124	100	78	27	0	0	0	0	16
1923	Above Normal	28	71	85	77	61	57	29	5	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	3	5	9	15	17	14	6	2	0	0	0	2
1926	Dry	1	2	4	4	4	4	1	0	0	0	0	0
1927	Above Normal	34	73	90	81	67	62	31	6	0	0	0	20
1928	Below Normal	1	14	18	24	28	22	9	3	0	0	0	3
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	36	83	114	98	85	66	22	1	1	1	1	22
1933	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	25	50	77	64	57	56	32	8	1	1	1	6
1936	Above Normal	25	66	82	63	56	54	32	7	1	1	1	0
1937	Wet	1	44	63	58	50	50	29	7	1	1	1	18
1938	Wet	0	28	99	168	120	108	53	14	2	7	7	21
1939	Dry	2	2	1	1	1	1	0	0	0	0	0	0
1940	Above Normal	21	56	64	59	55	50	16	5	0	0	1	10
1941	Wet	37	79	141	155	107	92	44	11	1	6	6	18
1942	Wet	38	89	123	121	97	76	25	0	0	0	0	15
1943	Wet	3	56	85	75	59	55	28	5	0	0	0	19
1944	Below Normal	1	13	17	28	32	26	10	3	1	1	1	0
1945	Above Normal	36	86	119	106	94	74	26	2	1	1	1	24
1946	Above Normal	24	59	70	48	39	40	25	5	1	1	1	16
1947	Dry	2	3	6	8	9	7	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	11	13	21	24	19	8	2	0	0	0	2
1951	Above Normal	2	15	20	33	38	31	12	4	1	1	1	4
1952	Wet	21	79	98	153	108	96	46	12	1	6	6	18
1953	Below Normal	3	18	24	39	45	37	15	4	1	1	1	4
1954	Below Normal	2	4	7	13	15	12	5	1	0	0	0	1
1955	Dry	1	2	3	6	7	5	2	1	0	0	0	1
1956	Wet	46	101	138	138	114	96	35	3	1	1	1	18
1957	Below Normal	9	26	36	47	43	37	12	4	0	0	1	13
1958	Wet	36	55	137	154	107	94	45	12	1	6	6	18
1959	Dry	1	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	28	75	92	85	70	65	33	6	0	0	0	21
1963	Above Normal	43	90	128	122	100	78	27	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	43	100	132	125	104	81	28	1	0	0	0	16
1966	Below Normal	3	17	18	19	22	18	7	2	0	0	0	2
1967	Wet	74	44	114	143	119	102	71	52	14	22	22	70
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	19	19	75	128	109	91	62	44	14	19	19	59
1970	Above Normal	11	29	41	55	52	45	15	5	0	0	1	15
1971	Below Normal	3	17	23	38	44	35	14	4	1	1	1	4
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	22	61	66	57	48	47	28	6	1	1	1	17
1974	Wet	30	71	85	75	60	56	28	5	0	0	0	19
1975	Wet	26	72	88	78	63	59	30	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	38	41	128	137	114	111	76	50	15	21	21	67
1979	Above Normal	21	60	71	54	46	46	28	6	1	1	0	0
1980	Wet	37	66	121	165	119	106	52	14	2	7	7	20
1981	Dry	1	13	16	26	30	24	10	3	0	0	0	3
1982	Wet	49	4	101	164	119	109	57	16	2	2	0	0
1983	Wet	0	46	126	104	104	107	95	59	15	24	26	83
1984	Above Normal	30	73	87	79	65	60	30	6	0	0	0	20
1985	Dry	3	5	8	14	16	13	5	1	0	0	0	0
1986	Wet	0	85	116	102	89	70	23	1	1	1	1	23
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	40	100	136	134	110	92	33	2	1	1	1	18
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	58	92	164	135	104	108	101	64	15	26	26	83
1996	Wet	28	73	88	80	65	60	31	6	0	0	0	15
1997	Wet	29	62	73	49	40	41	25	5	1	1	1	0
1998	Wet	44	21	125	117	122	96	83	55	15	24	24	75
1999	Above Normal	11	30	42	58	54	48	16	5	0	0	1	15
2000	Above Normal	18	58	68	49	40	41	25	4	1	1	1	16
2001	Dry	1	1	2	3	4	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	12	15	24	28	23	9	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 2 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	67	92	151	144	120	95	101	54	15	24	28	74
1923	Above Normal	34	83	111	93	79	62	19	0	1	1	1	22
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	1	1	2	2	2	1	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	34	82	94	88	74	68	34	7	1	1	1	21
1928	Below Normal	2	3	6	9	10	8	3	1	0	0	0	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	29	72	86	77	62	58	29	5	0	0	0	20
1933	Dry	0	1	1	2	2	2	1	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	18	45	66	51	43	43	26	6	1	1	1	4
1936	Above Normal	28	81	112	95	81	63	20	0	1	1	1	0
1937	Wet	24	52	98	140	116	103	76	50	14	20	20	62
1938	Wet	19	74	155	141	111	115	110	63	16	28	28	87
1939	Dry	23	60	70	57	49	48	29	7	1	1	0	0
1940	Above Normal	20	58	68	53	45	45	27	6	1	1	1	12
1941	Wet	66	56	142	147	125	108	100	54	15	23	26	73
1942	Wet	72	89	134	143	119	103	90	57	14	22	16	70
1943	Wet	3	57	111	142	119	105	78	51	15	20	20	63
1944	Below Normal	3	6	10	16	19	15	6	2	0	0	0	0
1945	Above Normal	43	104	138	133	109	90	32	2	1	1	1	17
1946	Above Normal	24	62	73	61	53	52	31	7	1	1	1	18
1947	Dry	1	1	2	3	3	2	1	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	1	1	2	2	3	2	1	0	0	0	0	0
1951	Above Normal	36	85	115	99	85	67	22	1	1	1	1	22
1952	Wet	49	62	146	144	112	100	102	59	14	29	29	78
1953	Below Normal	21	57	66	51	42	43	26	6	1	1	1	16
1954	Below Normal	0	1	1	1	2	1	1	0	0	0	0	0
1955	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1956	Wet	87	109	164	148	116	104	106	58	15	26	30	82
1957	Below Normal	11	31	44	59	55	51	17	5	0	0	1	15
1958	Wet	57	29	131	142	117	101	92	63	15	26	26	70
1959	Dry	2	4	7	11	13	11	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	19	57	65	50	41	42	25	6	1	1	1	16
1963	Above Normal	38	89	120	106	94	74	26	2	1	1	1	24
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	46	105	140	135	112	92	33	2	1	1	1	18
1966	Below Normal	1	13	15	24	28	23	9	3	0	0	0	3
1967	Wet	94	72	157	141	111	115	115	68	16	32	32	89
1968	Dry	21	56	65	49	41	41	25	6	1	1	0	0
1969	Wet	53	58	148	135	111	115	110	63	16	28	28	87
1970	Above Normal	51	94	120	162	118	108	55	16	2	7	7	20
1971	Below Normal	4	6	11	19	22	18	7	2	0	0	0	2
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	23	73	82	81	66	61	31	5	0	0	0	20
1974	Wet	56	67	102	129	108	93	63	44	14	19	19	59
1975	Wet	26	76	92	85	71	65	33	6	0	0	0	21
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	61	76	181	141	111	115	91	68	16	32	32	87
1979	Above Normal	69	88	137	145	122	106	98	54	15	24	2	39
1980	Wet	82	125	181	141	111	115	115	66	16	32	32	88
1981	Dry	23	60	71	57	49	49	29	7	1	1	1	17
1982	Wet	86	48	181	141	111	115	93	63	16	23	9	42
1983	Wet	2	55	137	110	111	115	101	63	16	26	28	87
1984	Above Normal	81	101	148	145	122	96	102	55	15	24	24	75
1985	Dry	0	12	14	21	24	20	8	2	0	0	0	0
1986	Wet	45	103	165	149	118	106	101	64	16	30	30	81
1987	Critical	0	1	1	2	2	2	1	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	55	70	111	142	118	105	80	51	15	20	20	62
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	62	101	170	141	111	115	111	68	16	28	28	87
1996	Wet	72	98	151	148	126	100	105	57	15	11	0	72
1997	Wet	79	93	143	144	121	104	92	60	15	23	23	34
1998	Wet	59	41	152	113	111	115	109	63	16	28	28	87
1999	Above Normal	56	66	101	126	107	90	62	43	13	19	19	58
2000	Above Normal	21	58	68	53	45	45	27	4	1	1	1	17
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	2	3	4	5	4	2	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
 Alternative 2 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	2	21	20	20	16	75	54	14	23	28	59
1923	Above Normal	6	12	26	17	18	5	-10	-5	0	0	0	2
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	-2	-4	-8	-13	-15	-13	-5	-1	0	0	0	-1
1926	Dry	-1	-2	-4	-4	-4	-4	-1	0	0	0	0	0
1927	Above Normal	0	9	4	6	7	6	3	1	0	0	0	1
1928	Below Normal	0	-11	-12	-15	-18	-14	-6	-2	0	0	0	-2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	-7	-11	-28	-21	-23	-9	8	5	0	0	0	-3
1933	Dry	-1	-2	-4	-7	-8	-6	-2	-1	0	0	0	-1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	-7	-6	-11	-13	-14	-13	-6	-2	0	0	0	-2
1936	Above Normal	3	15	31	32	26	9	-12	-7	-1	0	0	0
1937	Wet	23	8	36	81	66	53	47	43	14	19	19	44
1938	Wet	19	46	56	-27	-9	7	58	49	14	21	21	67
1939	Dry	21	58	70	56	48	48	28	6	1	1	0	0
1940	Above Normal	-1	3	4	-6	-10	-6	11	1	0	0	0	2
1941	Wet	29	-22	1	-8	17	16	56	42	14	17	20	55
1942	Wet	34	1	11	22	22	27	65	57	14	22	16	55
1943	Wet	0	1	26	67	59	50	50	46	14	20	20	43
1944	Below Normal	2	-8	-7	-11	-13	-10	-4	-1	0	0	0	0
1945	Above Normal	7	17	19	26	16	6	6	0	0	0	0	-6
1946	Above Normal	0	3	4	12	14	12	6	2	0	0	0	2
1947	Dry	-1	-2	-4	-5	-6	-5	-2	-1	0	0	0	-1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	1	-10	-11	-18	-21	0	-7	-2	0	0	0	-2
1951	Above Normal	34	70	95	66	47	36	10	-3	0	0	0	19
1952	Wet	28	-17	48	-9	4	4	56	47	13	23	23	60
1953	Below Normal	18	39	42	12	-3	6	11	1	0	0	0	12
1954	Below Normal	-2	-3	-6	-11	-13	-11	-4	-1	0	0	0	-1
1955	Dry	-1	-2	-3	-5	-5	-4	-2	-1	0	0	0	-1
1956	Wet	41	8	25	10	2	9	71	55	14	25	29	64
1957	Below Normal	3	5	8	13	11	14	5	1	0	0	0	2
1958	Wet	21	-25	-6	-13	10	7	48	51	13	20	20	52
1959	Dry	1	4	7	11	13	10	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	-9	-18	-26	-35	-29	-23	-7	-1	0	0	0	-5
1963	Above Normal	-5	0	-8	-16	-7	-4	-1	2	1	0	0	8
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	3	5	7	9	8	11	5	2	0	0	0	2
1966	Below Normal	-2	-4	-3	5	7	5	2	1	0	0	0	1
1967	Wet	19	28	43	-2	-7	13	44	16	1	9	10	19
1968	Dry	21	56	65	49	41	41	25	6	1	1	0	0
1969	Wet	34	39	73	6	2	25	48	19	2	9	9	28
1970	Above Normal	40	65	79	107	66	63	40	11	2	6	5	6
1971	Below Normal	1	-11	-11	-19	-22	-17	-7	-2	0	0	0	-2
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	1	12	16	24	19	14	3	-1	0	0	0	3
1974	Wet	25	-4	17	54	49	38	35	39	13	19	19	39
1975	Wet	0	4	4	6	7	6	3	1	0	0	0	1
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	23	35	52	3	-3	4	15	18	1	11	11	21
1979	Above Normal	48	28	66	91	76	59	71	47	14	23	2	39
1980	Wet	44	59	60	-24	-7	9	63	52	14	25	25	68
1981	Dry	22	47	55	31	19	25	19	4	0	0	0	15
1982	Wet	37	44	80	-23	-8	6	36	47	14	21	9	42
1983	Wet	2	9	11	6	7	8	6	4	1	1	1	4
1984	Above Normal	50	28	61	65	57	36	72	49	14	23	23	55
1985	Dry	-2	7	5	7	9	7	3	1	0	0	0	0
1986	Wet	45	18	49	47	29	36	77	63	15	29	29	58
1987	Critical	0	1	1	2	2	2	1	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	15	-30	-25	7	8	13	47	49	14	19	19	45
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	9	6	5	7	8	10	4	1	1	1	4
1996	Wet	44	25	63	68	61	40	74	51	15	11	0	57
1997	Wet	50	31	70	96	81	64	67	55	14	22	22	34
1998	Wet	15	20	27	-4	-10	19	26	8	1	4	4	12
1999	Above Normal	46	36	59	69	53	42	45	38	13	18	18	43
2000	Above Normal	2	0	0	4	4	4	2	0	0	0	0	1
2001	Dry	0	-1	-1	-3	-3	-3	-1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	-11	-12	-20	-23	-19	-8	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	99%	2%	16%	16%	20%	21%	281%	46063%	4269%	7036%	8298%	371%
1923	Above Normal	21%	16%	30%	22%	29%	8%	-33%	-97%	80%	80%	80%	10%
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-83%	-84%	-86%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%
1926	Dry	-86%	-87%	-94%	-96%	-96%	-96%	-96%	-96%	-96%	-96%	-96%	-96%
1927	Above Normal	0%	12%	5%	8%	10%	10%	9%	14%	31%	31%	31%	5%
1928	Below Normal	33%	-77%	-69%	-63%	-64%	-63%	-64%	-64%	-64%	-64%	-64%	-64%
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-20%	-13%	-24%	-22%	-27%	-13%	35%	615%	-51%	-51%	-51%	-12%
1933	Dry	-79%	-81%	-81%	-79%	-79%	-79%	-79%	-79%	-79%	-79%	-79%	-79%
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-29%	-11%	-14%	-20%	-25%	-23%	-19%	-23%	-33%	-33%	-33%	-34%
1936	Above Normal	13%	23%	38%	51%	46%	16%	-36%	-97%	-51%	-23%	-24%	-
1937	Wet	3754%	18%	57%	140%	131%	106%	158%	640%	1891%	2614%	2614%	250%
1938	Wet	-	161%	56%	-16%	-7%	7%	110%	348%	671%	315%	315%	323%
1939	Dry	1159%	2433%	13848%	5687%	4284%	5208%	7824%	6080%	3859%	3859%	-	-
1940	Above Normal	-4%	5%	6%	-10%	-18%	-11%	65%	17%	46%	46%	-43%	15%
1941	Wet	79%	-28%	1%	-5%	16%	18%	129%	372%	1012%	286%	337%	305%
1942	Wet	88%	1%	9%	19%	22%	35%	256%	93914%	5005%	7790%	-	356%
1943	Wet	0%	2%	30%	90%	100%	90%	176%	902%	5170%	7053%	7053%	224%
1944	Below Normal	186%	-58%	-42%	-41%	-42%	-40%	-42%	-42%	-42%	-42%	-42%	-
1945	Above Normal	19%	20%	16%	25%	17%	21%	25%	3%	-36%	-36%	-19%	-27%
1946	Above Normal	2%	5%	5%	26%	35%	30%	24%	31%	48%	48%	48%	13%
1947	Dry	-64%	-67%	-70%	-66%	-66%	-66%	-66%	-66%	-66%	-66%	-66%	-66%
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-90%	-87%	-88%	-88%	-88%	-88%	-88%	-88%	-88%	-88%	-88%
1951	Above Normal	1587%	455%	475%	200%	124%	118%	77%	-78%	13%	13%	13%	524%
1952	Wet	134%	-21%	49%	-6%	3%	5%	123%	387%	925%	383%	385%	333%
1953	Below Normal	552%	223%	179%	30%	-6%	18%	76%	34%	-19%	-19%	-19%	282%
1954	Below Normal	-80%	-82%	-85%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%
1955	Dry	-85%	-86%	-82%	-82%	-82%	-82%	-82%	-82%	-82%	-82%	-82%	-82%
1956	Wet	90%	8%	18%	7%	2%	9%	206%	2103%	2229%	3868%	4511%	348%
1957	Below Normal	30%	19%	22%	27%	26%	38%	44%	36%	115%	115%	27%	14%
1958	Wet	59%	-47%	-4%	-8%	9%	7%	106%	434%	992%	342%	340%	289%
1959	Dry	143%	6249%	5569%	4835%	4835%	4835%	4835%	4835%	-	-	-	4835%
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-32%	-24%	-29%	-41%	-42%	-36%	-23%	-13%	16%	16%	16%	-22%
1963	Above Normal	-12%	0%	-6%	-13%	-7%	-5%	-4%	6787%	151%	137%	140%	50%
1964	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965	Wet	6%	5%	6%	8%	8%	13%	18%	301%	49%	49%	49%	9%
1966	Below Normal	-68%	-25%	-17%	28%	30%	28%	30%	30%	30%	30%	30%	30%
1967	Wet	26%	62%	37%	-2%	-6%	13%	63%	30%	10%	42%	43%	27%
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	173%	200%	97%	5%	2%	27%	78%	44%	16%	46%	46%	48%
1970	Above Normal	360%	221%	194%	196%	128%	140%	271%	236%	452%	1780%	549%	38%
1971	Below Normal	23%	-62%	-50%	-49%	-49%	-49%	-50%	-50%	-50%	-50%	-50%	-50%
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	5%	20%	24%	43%	39%	29%	10%	-10%	-49%	-34%	-32%	17%
1974	Wet	82%	-5%	20%	72%	81%	68%	124%	757%	4643%	6516%	6509%	203%
1975	Wet	-1%	5%	5%	8%	11%	11%	10%	15%	39%	39%	39%	5%
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Wet	61%	84%	41%	3%	-2%	4%	20%	37%	8%	50%	50%	31%
1979	Above Normal	230%	47%	94%	167%	163%	127%	254%	763%	2168%	3555%	-	-
1980	Wet	119%	89%	49%	-15%	-6%	8%	122%	377%	729%	384%	384%	335%
1981	Dry	2520%	368%	343%	120%	64%	102%	196%	131%	49%	49%	49%	514%
1982	Wet	76%	1124%	79%	-14%	-6%	6%	64%	302%	696%	888%	-	-
1983	Wet	-	19%	8%	5%	7%	7%	6%	7%	8%	5%	4%	5%
1984	Above Normal	165%	39%	70%	82%	88%	60%	235%	860%	3825%	6283%	6283%	274%
1985	Dry	-88%	151%	67%	54%	57%	54%	57%	57%	57%	57%	57%	-
1986	Wet	10895%	22%	42%	46%	33%	52%	329%	5315%	2028%	3933%	3933%	254%
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993	Wet	39%	-30%	-18%	6%	8%	14%	143%	2278%	2574%	3531%	3531%	257%
1994	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995	Wet	6%	10%	4%	4%	7%	7%	10%	6%	7%	4%	4%	5%
1996	Wet	159%	35%	71%	86%	94%	66%	243%	925%	3902%	-	-	382%
1997	Wet	176%	50%	95%	196%	201%	155%	267%	1006%	2620%	4082%	4082%	-
1998	Wet	34%	94%	21%	-4%	-8%	20%	31%	15%	7%	15%	15%	16%
1999	Above Normal	434%	118%	139%	120%	99%	86%	282%	767%	3272%	4588%	1668%	286%
2000	Above Normal	13%	0%	-1%	8%	11%	9%	7%	13%	8%	11%	11%	4%
2001	Dry	-70%	-77%	-76%	-87%	-87%	-87%	-87%	-87%	-87%	-87%	-87%	-87%
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	73%	-87%	-81%	-83%	-83%	-83%	-83%	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	74	77	86	67	0	0	0	0	0	0	61	25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	13	0	0	0	0	0	0	0	0	9
1927	Above Normal	0	0	86	83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	83	0	0	0	0	0	0	0	0
1936	Above Normal	19	0	86	22	0	0	0	0	0	0	0	0
1937	Wet	0	12	12	83	0	0	0	0	0	33	74	67
1938	Wet	0	0	12	34	31	0	0	0	0	0	21	10
1939	Dry	13	83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	86	47	0	0	0	0	0	0	0	0
1941	Wet	74	69	11	45	13	0	0	0	0	0	74	57
1942	Wet	0	78	70	69	0	0	0	0	0	0	0	67
1943	Wet	0	2	86	20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	2
1945	Above Normal	0	0	65	58	0	0	0	0	0	42	74	10
1946	Above Normal	0	0	67	0	0	0	0	0	0	0	6	22
1947	Dry	0	0	12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	74	74	69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	69
1952	Wet	0	0	12	48	0	0	0	0	0	0	44	12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1956	Wet	50	76	62	40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	12	46	0	0	0	0	0	0	0	0
1959	Dry	25	1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	7	0	0	0	0	0	0	0	67
1963	Above Normal	0	0	0	31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	74	69
1965	Wet	0	0	0	0	0	0	0	0	0	0	56	8
1966	Below Normal	0	34	56	0	0	0	0	0	0	0	25	68
1967	Wet	76	0	8	71	38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	12	0	40	0	0	0	0	0	63	6
1970	Above Normal	25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	78	11	83	0	0	0	0	0	1	74	28
1974	Wet	72	82	86	75	0	0	0	0	0	0	0	0
1975	Wet	0	0	75	83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	2
1978	Wet	0	0	10	71	33	0	0	0	0	0	61	13
1979	Above Normal	40	0	86	51	0	0	0	0	0	0	0	0
1980	Wet	0	77	82	37	32	0	0	0	0	0	11	14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1982	Wet	74	0	86	38	0	0	0	79	71	0	0	0
1983	Wet	0	0	0	0	53	0	0	0	46	0	74	0
1984	Above Normal	27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	2
1986	Wet	0	80	86	77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	31
1993	Wet	74	76	72	58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	36	69
1995	Wet	0	71	0	71	53	0	0	0	0	0	0	17
1996	Wet	0	82	86	83	0	0	0	0	0	0	0	0
1997	Wet	78	16	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	3	0	40	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	86	41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 2 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	67
1938	Wet	0	0	0	71	46	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	13	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	46	0	0	0	3	0	74	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	41	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	25	46	0	0	0	0	0	0	0
1996	Wet	0	71	65	58	0	0	0	0	0	0	0	0
1997	Wet	45	15	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)
 Alternative 2 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-74	-77	-86	-67	0	0	0	0	0	0	-61	-25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	-13	0	0	0	0	0	0	0	0	-9
1927	Above Normal	0	0	-86	-83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	-24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	-67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	-83	0	0	0	0	0	0	0	0
1936	Above Normal	-19	0	-86	-22	0	0	0	0	0	0	0	0
1937	Wet	0	-12	-12	-83	0	0	0	0	0	-33	-74	0
1938	Wet	0	0	-12	38	16	0	0	0	0	0	-21	-10
1939	Dry	-13	-83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	-86	-47	0	0	0	0	0	0	0	0
1941	Wet	-74	-69	-11	-45	-13	0	0	0	0	0	-74	-57
1942	Wet	0	-78	-70	-69	0	0	0	0	0	0	0	-67
1943	Wet	0	-2	-86	-20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	-2
1945	Above Normal	0	0	-65	-58	0	0	0	0	0	-42	-74	-10
1946	Above Normal	0	0	-67	0	0	0	0	0	0	0	-6	-22
1947	Dry	0	0	-12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	-74	-74	-69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	-69
1952	Wet	0	0	-12	-48	0	0	0	0	0	0	-44	-12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1956	Wet	-50	-76	-62	-40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	-12	-46	0	0	0	0	0	0	0	0
1959	Dry	-25	-1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	-7	0	0	0	0	0	0	0	-67
1963	Above Normal	0	0	0	-31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	-74	-69
1965	Wet	0	0	0	0	0	0	0	0	0	0	-56	-8
1966	Below Normal	0	-34	-56	0	0	0	0	0	0	0	-25	-68
1967	Wet	-76	0	-8	-71	-38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-12	0	7	0	0	0	0	0	-63	-6
1970	Above Normal	-25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-78	-11	-83	0	0	0	0	0	-1	-74	-28
1974	Wet	-72	-82	-86	-75	0	0	0	0	0	0	0	0
1975	Wet	0	0	-75	-83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	-2
1978	Wet	0	0	-10	-71	-33	0	0	0	0	0	-61	-13
1979	Above Normal	-40	0	-86	-51	0	0	0	0	0	0	0	0
1980	Wet	0	-77	-82	-24	-32	0	0	0	0	0	-11	-14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1982	Wet	-74	0	-86	-38	0	0	0	-79	-71	0	0	0
1983	Wet	0	0	0	0	-7	0	0	0	-43	0	0	0
1984	Above Normal	-27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	-2
1986	Wet	0	-80	-86	-36	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-31
1993	Wet	-74	-76	-72	-58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-36	-69
1995	Wet	0	-71	0	-46	-7	0	0	0	0	0	0	-17
1996	Wet	0	-10	-21	-26	0	0	0	0	0	0	0	0
1997	Wet	-32	-1	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-3	0	6	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	-86	-41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1923	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1926	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1927	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1928	Below Normal	-	-	-100%	-	-	-	-	-	-	-	-	-
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1933	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1936	Above Normal	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1937	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	0%
1938	Wet	-	-	-100%	111%	51%	-	-	-	-	-	-100%	-100%
1939	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1940	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1941	Wet	-100%	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1942	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-100%
1943	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1944	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1945	Above Normal	-	-	-100%	-100%	-	-	-	-	-100%	-100%	-100%	-100%
1946	Above Normal	-	-	-100%	-	-	-	-	-	-	-	-100%	-100%
1947	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-	-	-	-	-	-	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1952	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1953	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1954	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1955	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1956	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1957	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1958	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1959	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-	-	-	-100%	-	-	-	-	-	-	-	-100%
1963	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1965	Wet	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1966	Below Normal	-	-100%	-100%	-	-	-	-	-	-	-	-100%	-100%
1967	Wet	-100%	-	-100%	-100%	-100%	-	-	-	-	-	-	-
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	-	-	-100%	-100%	17%	-	-	-	-	-	-100%	-100%
1970	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1971	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1974	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1975	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1978	Wet	-	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1979	Above Normal	-100%	-	-100%	-100%	-	-	-	-	-	-	-	-
1980	Wet	-	-100%	-100%	-65%	-100%	-	-	-	-	-	-100%	-100%
1981	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1982	Wet	-100%	-	-100%	-100%	-	-	-	-100%	-100%	-	-	-
1983	Wet	-	-	-	-	-13%	-	-	-	-94%	-	0%	-
1984	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1985	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1986	Wet	-	-100%	-100%	-47%	-	-	-	-	-	-	-	-
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1993	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1995	Wet	-	-100%	-	-65%	-12%	-	-	-	-	-	-	-100%
1996	Wet	-100%	-13%	-24%	-31%	-	-	-	-	-	-	-	-
1997	Wet	-42%	-5%	-1%	-	-	-	-	-	-	-	-	-
1998	Wet	-	-	-100%	-	15%	-	-	-	-	-	-	-
1999	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
2000	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
2001	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,811	3,559	5,150	7,708	8,580	7,075	4,199	3,214	2,008	1,645	2,026	2,651
1923	Below Normal	2,215	2,571	3,912	5,671	6,132	5,290	3,567	2,811	1,675	1,208	1,324	1,733
1924	Critical	1,518	1,792	2,510	3,515	3,695	3,353	2,517	2,008	1,181	778	731	1,018
1925	Dry	2,084	2,337	3,672	5,271	5,652	4,944	3,453	2,739	1,620	1,132	1,191	1,627
1926	Dry	1,889	2,054	3,148	4,400	4,605	4,187	3,198	2,578	1,494	960	898	1,261
1927	Wet	2,269	2,723	4,094	5,973	6,495	5,554	3,657	2,869	1,721	1,269	1,427	1,855
1928	Above Normal	2,134	2,487	3,945	5,727	6,200	5,339	3,583	2,821	1,683	1,218	1,343	1,819
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,352	3,314	4,672	4,932	4,425	3,283	2,632	1,538	1,018	992	1,375
1931	Critical	1,482	1,744	2,442	3,404	3,563	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,638	1,828	2,734	3,881	4,135	3,676	2,636	2,084	1,246	862	859	1,172
1933	Critical	1,392	1,524	2,299	3,171	3,283	3,051	2,406	1,937	1,120	700	610	874
1934	Critical	1,544	1,827	2,558	3,593	3,789	3,423	2,543	2,024	1,195	796	758	1,051
1935	Below Normal	1,512	1,691	3,387	4,795	5,080	4,532	3,318	2,654	1,555	1,042	1,033	1,378
1936	Below Normal	2,237	2,347	3,854	5,575	6,017	5,207	3,539	2,794	1,662	1,189	1,292	1,754
1937	Below Normal	1,681	2,486	3,531	5,036	5,369	4,741	3,386	2,697	1,588	1,087	1,113	1,528
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	2,002	2,553	3,603	5,156	5,514	4,641	3,420	2,719	1,604	1,110	1,153	1,524
1940	Above Normal	2,049	2,498	3,826	5,527	5,960	5,166	3,526	2,785	1,655	1,181	1,276	1,735
1941	Wet	2,678	3,388	4,654	6,978	8,208	6,807	4,111	3,158	1,965	1,586	1,923	2,521
1942	Wet	2,803	3,553	5,169	7,740	8,617	6,425	4,208	3,219	2,012	1,651	2,037	2,664
1943	Wet	2,849	3,114	5,128	7,671	8,535	7,043	4,189	3,207	2,003	1,638	2,014	2,544
1944	Dry	1,971	2,149	3,306	4,660	4,917	4,415	3,279	2,629	1,536	1,016	987	1,370
1945	Below Normal	2,233	2,952	4,422	6,509	7,139	6,026	3,831	2,980	1,816	1,391	1,615	2,147
1946	Below Normal	2,445	2,935	4,389	6,454	7,073	5,978	3,813	2,968	1,806	1,379	1,596	2,124
1947	Dry	2,052	2,498	3,904	5,658	6,117	5,279	3,563	2,809	1,673	1,205	1,320	1,728
1948	Below Normal	1,802	2,087	3,189	4,467	4,686	4,246	3,220	2,592	1,506	975	921	1,289
1949	Dry	2,079	2,770	4,365	6,415	7,027	5,944	3,801	2,960	1,799	1,370	1,582	2,108
1950	Below Normal	1,996	2,331	3,618	5,180	5,543	4,865	3,427	2,723	1,608	1,115	1,161	1,589
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066
1952	Wet	2,991	3,392	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,107	2,417	3,773	5,439	5,855	5,090	3,501	2,770	1,643	1,164	1,247	1,698
1954	Above Normal	2,099	2,385	3,707	5,328	5,721	4,874	3,469	2,750	1,628	1,143	1,210	1,651
1955	Dry	2,252	2,487	3,885	5,627	6,080	5,252	3,554	2,803	1,669	1,199	1,310	1,715
1956	Wet	2,967	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308
1958	Wet	2,883	3,294	5,286	8,032	9,475	7,720	4,411	3,347	2,110	1,786	2,274	2,964
1959	Below Normal	1,978	1,942	3,515	5,008	5,336	4,716	3,378	2,692	1,584	1,082	1,103	1,464
1960	Dry	1,941	2,558	3,566	5,094	5,439	3,540	3,403	2,707	1,596	1,098	1,132	1,553
1961	Dry	2,100	2,778	3,885	5,575	6,080	3,511	3,554	2,803	1,669	1,199	1,310	1,776
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778
1963	Wet	2,208	2,618	3,946	5,728	6,202	5,340	3,583	2,822	1,683	1,219	1,343	1,756
1964	Dry	2,247	2,742	3,875	5,609	6,059	4,976	3,549	2,800	1,667	1,196	1,304	1,769
1965	Wet	2,260	2,581	4,947	7,369	8,171	4,820	4,103	3,153	1,961	1,580	1,913	2,508
1966	Below Normal	2,230	2,222	3,967	5,763	6,244	5,371	3,593	2,828	1,688	1,225	1,355	1,834
1967	Wet	3,010	3,392	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,028	2,532	3,555	5,075	5,417	4,775	3,397	2,704	1,593	1,095	1,126	1,545
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157
1971	Wet	1,972	2,282	3,542	5,053	5,390	4,755	3,391	2,700	1,590	1,091	1,119	1,482
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679
1973	Above Normal	2,297	2,809	4,217	6,173	6,736	5,730	3,722	2,910	1,756	1,315	1,497	2,006
1974	Wet	2,898	3,229	5,243	7,864	8,767	5,806	4,243	3,241	2,029	1,674	2,078	2,716
1975	Wet	2,435	3,054	4,407	6,484	7,110	5,048	3,823	2,974	1,812	1,386	1,606	2,063
1976	Critical	1,754	2,054	2,896	3,988	4,111	3,824	3,065	2,493	1,421	866	753	1,088
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,597	3,863	5,412	7,725	9,106	7,454	4,324	3,292	2,068	1,728	2,172	2,835
1979	Below Normal	2,184	2,782	4,187	6,124	6,677	5,687	3,706	2,900	1,748	1,304	1,480	1,917
1980	Above Normal	2,971	3,746	4,985	7,531	8,872	7,286	4,139	3,257	2,041	1,691	2,107	2,753
1981	Dry	2,123	2,366	3,731	5,369	5,769	5,029	3,481	2,757	1,634	1,150	1,224	1,668
1982	Wet	3,091	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824
1986	Wet	2,458	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287
1987	Dry	1,564	2,352	3,313	4,672	4,931	4,425	3,283	2,632	1,538	1,018	991	1,328
1988	Critical	1,526	1,747	2,467	3,288	3,270	3,208	2,838	2,348	1,297	707	508	794
1989	Dry	1,512	2,278	3,547	5,062	5,401	4,164	3,394	2,702	1,591	1,092	1,121	1,539
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,741	2,654	3,750	3,977	3,560	2,593	2,056	1,223	832	813	1,079
1992	Critical	1,605	2,085	2,921	3,869	4,508	3,946	2,727	1,921	1,292	924	964	1,303
1993	Above Normal	2,221	2,940	3,921	5,775	6,764	5,714	3,730	2,915	1,761	1,320	1,505	2,016
1994	Critical	2,154	2,661	3,727	5,294	6,059	4,378	3,120	2,390	1,487	1,189	1,415	1,865
1995	Wet	2,872	3,893	5,446	7,781	9,173	7,503	4,340	3,302	2,075	1,738	2,191	2,760
1996	Wet	2,515	2,924	4,710	6,978	7,702	5,862	3,983	3,077	1,899	1,498	1,779	2,344
1997	Wet	2,799	3,118	4,681	7,022	8,261	5,593	4,124	3,166	1,971	1,594	1,938	2,540
1998	Wet	2,967	3,961	5,604	8,467	9,492	7,732	4,415	3,350	2,112	1,789	2,279	2,970
1999	Wet	2,194	2,711	4,083	5,954	6,474	5,538	3,651	2,865	1,718	1,265	1,420	1,848
2000	Above Normal	2,205	2,726	4,097	5,978	6,502	5,559	3,659	2,870	1,722	1,271	1,429	1,924
2001	Dry	2,134	2,386	3,713	5,339	5,734	5,003	3,472	2,752	1,629	1,145	1,214	1,655
2002	Dry	2,108	2,319	3,591	5,136	5,489	4,827	3,415	2,715	1,602	1,106	1,146	1,570
2003	Above Normal	2,227	2,623	3,951	5,736	6,211	5,347	3,585	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)

Alternative 2 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,845	3,589	5,193	7,763	8,656	6,852	4,243	3,359	2,221	1,780	2,034	2,683		
1923	Below Normal	2,236	2,586	3,934	5,690	6,166	5,275	3,600	2,950	1,884	1,302	1,363	1,750		
1924	Critical	1,544	1,827	2,558	3,593	3,789	3,422	2,542	2,024	1,195	796	758	1,051		
1925	Dry	2,064	2,264	3,539	5,042	5,380	4,735	3,398	2,746	1,662	1,133	1,126	1,534		
1926	Dry	1,958	2,133	3,276	4,607	4,855	4,179	3,268	2,639	1,558	1,023	975	1,349		
1927	Wet	2,290	2,737	4,117	5,994	6,532	5,540	3,689	3,006	1,928	1,396	1,465	1,873		
1928	Above Normal	2,168	2,543	3,989	5,788	6,281	5,371	3,619	2,924	1,830	1,314	1,385	1,851		
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1930	Dry	1,873	2,354	3,316	4,677	4,937	4,429	3,284	2,632	1,539	1,019	993	1,377		
1931	Critical	1,482	1,744	2,443	3,405	3,563	3,257	2,481	1,985	1,162	753	692	939		
1932	Dry	1,676	1,868	2,791	3,959	4,239	3,712	2,686	2,233	1,463	1,001	917	1,215		
1933	Critical	1,401	1,523	2,296	3,162	3,274	3,034	2,409	1,967	1,168	728	614	872		
1934	Critical	1,542	1,824	2,554	3,587	3,781	3,417	2,540	2,023	1,194	795	756	1,048		
1935	Below Normal	1,552	1,732	3,441	4,868	5,178	4,563	3,367	2,802	1,771	1,180	1,089	1,417		
1936	Below Normal	2,278	2,591	3,915	5,659	6,129	5,249	3,592	2,945	1,880	1,330	1,293	1,755		
1937	Below Normal	1,721	2,486	3,557	5,112	5,471	4,774	3,436	2,846	1,804	1,086	1,110	1,525		
1938	Wet	3,168	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1939	Dry	1,960	2,498	3,524	5,006	5,343	3,477	3,406	2,827	1,790	1,171	1,135	1,472		
1940	Above Normal	2,131	2,601	3,974	5,758	6,248	5,334	3,620	2,962	1,893	1,294	1,326	1,810		
1941	Wet	2,699	3,396	4,667	6,981	8,222	6,778	4,141	3,294	2,172	1,661	1,897	2,532		
1942	Wet	2,838	3,588	5,220	7,807	8,709	6,408	4,256	3,367	2,227	1,788	2,031	2,702		
1943	Wet	2,873	3,481	5,171	7,725	8,611	7,055	4,232	3,352	2,216	1,773	2,064	2,576		
1944	Dry	1,990	2,167	3,328	4,683	4,953	4,410	3,308	2,738	1,699	1,117	1,020	1,387		
1945	Below Normal	2,255	2,946	4,416	6,483	7,119	5,970	3,848	3,107	2,014	1,507	1,637	2,146		
1946	Below Normal	2,459	2,940	4,398	6,454	7,084	5,945	3,838	3,101	2,009	1,500	1,627	2,133		
1947	Dry	2,076	2,527	3,948	5,722	6,200	5,318	3,596	2,893	1,793	1,284	1,359	1,759		
1948	Below Normal	1,802	2,083	3,182	4,456	4,672	4,236	3,217	2,590	1,504	973	918	1,285		
1949	Dry	2,080	2,773	4,369	6,422	7,035	5,950	3,803	2,962	1,801	1,372	1,584	2,111		
1950	Below Normal	2,016	2,351	3,647	5,220	5,596	4,884	3,454	2,802	1,722	1,114	1,160	1,611		
1951	Above Normal	2,568	2,993	4,472	6,574	7,229	6,051	3,877	3,126	2,031	1,528	1,669	2,090		
1952	Wet	3,028	3,783	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1953	Wet	2,075	2,420	3,765	5,408	5,827	5,031	3,520	2,899	1,845	1,282	1,269	1,694		
1954	Above Normal	2,121	2,409	3,744	5,384	5,792	4,904	3,495	2,809	1,710	1,199	1,241	1,678		
1955	Dry	2,255	2,489	3,888	5,629	6,084	5,251	3,558	2,819	1,693	1,214	1,314	1,712		
1956	Wet	2,936	3,532	4,770	7,154	8,430	6,928	4,190	3,325	2,196	1,744	2,014	2,605		
1957	Above Normal	2,066	2,142	3,276	4,594	4,849	4,325	3,286	2,751	1,731	1,126	997	1,352		
1958	Wet	2,923	3,707	5,194	7,879	9,291	7,587	4,367	3,320	2,089	1,757	2,223	2,899		
1959	Below Normal	1,987	2,273	3,547	5,050	5,393	4,730	3,410	2,794	1,734	1,177	1,140	1,488		
1960	Dry	1,940	2,559	3,568	5,097	5,442	3,532	3,403	2,708	1,596	1,099	1,133	1,554		
1961	Dry	2,100	2,777	3,884	5,574	6,078	5,511	3,554	2,803	1,669	1,199	1,309	1,776		
1962	Below Normal	2,191	2,607	3,948	5,713	6,194	5,296	3,607	2,954	1,887	1,340	1,371	1,822		
1963	Wet	2,240	2,648	3,989	5,782	6,277	5,355	3,626	2,967	1,896	1,353	1,394	1,787		
1964	Dry	2,250	2,745	3,879	5,617	6,068	4,979	3,551	2,801	1,668	1,197	1,306	1,772		
1965	Wet	2,282	2,596	4,892	7,260	8,052	4,735	4,100	3,268	2,152	1,684	1,909	2,472		
1966	Below Normal	2,276	2,554	3,992	5,788	6,284	5,364	3,626	2,955	1,877	1,343	1,393	1,853		
1967	Wet	3,043	3,783	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1968	Below Normal	2,027	2,571	3,612	5,154	5,521	4,811	3,448	2,854	1,810	1,234	1,124	1,543		
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1970	Wet	2,528	2,853	4,497	6,615	7,278	6,087	3,891	3,135	2,038	1,537	1,683	2,201		
1971	Wet	2,004	2,315	3,590	5,119	5,478	4,787	3,433	2,822	1,767	1,204	1,167	1,517		
1972	Below Normal	2,201	2,407	3,747	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679		
1973	Above Normal	2,337	2,850	4,277	6,255	6,845	5,770	3,774	3,060	1,974	1,455	1,557	2,050		
1974	Wet	2,858	3,616	5,161	7,810	8,713	5,646	4,257	3,367	2,228	1,789	2,093	2,703		
1975	Wet	2,485	3,108	4,485	6,596	7,254	5,104	3,884	3,131	2,034	1,533	1,676	2,117		
1976	Critical	1,753	2,052	2,893	3,984	4,106	3,821	3,063	2,492	1,420	865	752	1,086		
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917		
1978	Above Normal	2,566	3,788	5,248	7,533	8,886	7,256	4,297	3,393	2,248	1,816	2,141	2,764		
1979	Below Normal	2,207	2,826	4,250	6,212	6,794	5,732	3,760	3,051	1,966	1,445	1,482	1,919		
1980	Above Normal	2,954	3,722	5,010	7,554	8,911	7,274	4,303	3,397	2,250	1,820	2,147	2,772		
1981	Dry	2,167	2,371	3,727	5,345	5,751	4,976	3,502	2,888	1,836	1,271	1,248	1,668		
1982	Wet	3,103	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1984	Wet	2,529	2,993	4,479	6,585	7,242	6,060	3,881	3,129	2,032	1,530	1,673	2,189		
1985	Dry	2,264	2,532	4,005	5,811	6,311	5,385	3,631	2,952	1,870	1,341	1,399	1,862		
1986	Wet	2,440	3,277	4,627	6,504	7,649	6,360	3,991	3,199	2,093	1,608	1,792	2,332		
1987	Dry	1,570	2,361	3,326	4,686	4,952	4,426	3,297	2,684	1,616	1,067	1,008	1,337		
1988	Critical	1,520	1,739	2,457	3,272	3,251	3,193	2,832	2,345	1,294	703	502	787		
1989	Dry	1,512	2,284	3,545	5,059	5,397	4,257	3,393	2,701	1,591	1,092	1,120	1,538		
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1991	Critical	1,568	1,740	2,652	3,746	3,973	3,557	2,592	2,056	1,222	831	812	1,077		
1992	Critical	1,604	2,082	2,918	3,868	4,502	3,942	2,726	1,921	1,291	923	962	1,300		
1993	Above Normal	2,259	2,973	3,968	5,838	6,850	5,739	3,775	3,061	1,975	1,456	1,558	2,052		
1994	Critical	2,155	2,663	3,730	5,298	6,068	4,379	3,121	2,391	1,488	1,190	1,416	1,867		
1995	Wet	2,891	3,802	5,276	7,581	8,943	7,298	4,311	3,402	2,254	1,723	2,157	2,688		
1996	Wet	2,567	2,924	4,707	6,958	7,689	5,106	3,206	2,099	1,615	1,143	1,201	1,525		
1997	Wet	2,833	3,155	4,738	7,101	8,366	5,554	4,175	3,316	2,188	1,734	1,997	2,582		
1998	Wet	2,978	3,929	5,507	8,304	9,296	7,591	4,369	3,321	2,089	1,758	2,225	2,901		
1999	Wet	2,205	2,767	4,164	6,072	6,626	5,609	3,714	3,022	1,942	1,414	1,493	1,905		
2000	Above Normal	2,243	2,764	4,154	6,055	6,605	5,594	3,709	3,019	1,938	1,410	1,487	1,966		
2001	Dry	2,141	2,394	3,724	5,355	5,754	5,012	3,481	2,773	1,661	1,165	1,224	1,664		
2002	Dry	2,108	2,319	3,591	5,135	5,489	4,826	3,414	2,715	1,601	1,106	1,146	1,570		
2003	Above Normal	2,250	2,645	3,984	5,781	6,271	5,367	3,615	n/a	n/a	n/a	n/a	n/a		

Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 2 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	34	30	43	55	76	-223	44	145	214	135	8	33
1923	Below Normal	22	15	22	19	34	-15	34	139	209	94	39	17
1924	Critical	26	34	48	78	94	69	25	16	14	18	27	33
1925	Dry	-20	-73	-133	-229	-271	-209	-55	7	42	1	-65	-93
1926	Dry	69	79	128	207	250	-8	70	61	64	63	77	88
1927	Wet	22	15	22	21	36	-14	32	138	207	126	39	18
1928	Above Normal	34	56	44	61	81	32	36	102	147	96	42	32
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	1	2	3	4	5	4	1	1	1	1	1	2
1931	Critical	0	0	0	1	1	1	0	0	0	0	0	0
1932	Dry	38	39	57	78	104	35	50	149	217	139	58	42
1933	Critical	10	-1	-4	-10	-9	-17	3	31	48	28	4	-2
1934	Critical	-2	-3	-4	-7	-8	-6	-2	-1	-1	-2	-2	-3
1935	Below Normal	40	41	54	73	98	31	49	149	216	138	57	39
1936	Below Normal	41	244	61	84	112	41	52	151	218	141	1	1
1937	Below Normal	40	0	25	76	102	34	50	149	217	-1	-2	-3
1938	Wet	40	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-41	-56	-80	-151	-170	-1,165	-15	108	186	61	-18	-52
1940	Above Normal	82	102	149	231	288	168	94	177	238	114	49	76
1941	Wet	21	8	12	3	14	-29	29	136	207	75	-27	11
1942	Wet	36	35	51	67	92	-17	47	148	215	137	-5	38
1943	Wet	24	367	43	54	76	13	44	145	214	135	51	31
1944	Dry	19	18	22	23	36	-4	28	109	163	101	33	17
1945	Below Normal	22	-6	-6	-26	-20	-56	17	128	198	116	22	-1
1946	Below Normal	13	5	9	0	11	-33	25	133	203	121	31	10
1947	Dry	24	29	44	64	83	38	33	84	120	79	39	31
1948	Below Normal	0	-4	-7	-11	-13	-10	-4	-2	-2	-3	-4	-5
1949	Dry	0	2	4	7	8	6	2	1	2	2	2	3
1950	Below Normal	20	21	30	40	54	18	26	79	114	-1	-1	22
1951	Above Normal	40	41	60	83	110	40	52	150	218	140	60	24
1952	Wet	37	391	0	0	0	0	0	0	0	0	0	0
1953	Wet	-32	2	-9	-32	-28	-59	19	130	202	119	22	-4
1954	Above Normal	22	24	37	56	71	30	26	59	82	56	30	27
1955	Dry	3	2	3	2	4	-2	4	16	24	15	5	-3
1956	Wet	-31	41	60	83	110	40	52	150	218	140	60	44
1957	Above Normal	40	41	60	83	110	40	52	150	218	140	60	44
1958	Wet	40	413	-92	-153	-184	-133	-44	-28	-21	-29	-51	-64
1959	Below Normal	9	332	32	42	58	14	32	102	150	95	37	23
1960	Dry	0	1	2	3	3	-9	1	0	0	1	1	1
1961	Dry	0	-1	-1	-2	-2	0	0	0	0	0	-1	-1
1962	Below Normal	40	42	60	83	111	40	52	150	218	140	60	45
1963	Wet	32	29	43	54	75	15	43	145	214	135	50	31
1964	Dry	2	3	4	7	9	4	2	1	1	1	2	3
1965	Wet	21	15	-55	-109	-120	-86	-3	116	191	104	-4	-36
1966	Below Normal	46	332	25	25	40	-7	33	127	190	117	38	19
1967	Wet	33	391	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	39	57	78	105	36	50	150	217	139	-2	-2
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	41	60	83	110	40	52	150	218	140	60	44
1971	Wet	32	33	48	66	88	32	42	122	176	114	48	34
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	40	41	60	83	110	40	52	150	218	140	60	44
1974	Wet	-40	387	-82	-53	-54	-160	13	126	199	115	15	-13
1975	Wet	49	54	77	111	144	56	61	156	223	147	70	54
1976	Critical	-1	-2	-2	-4	-5	-4	-1	-1	-1	-1	-1	-2
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-31	-75	-164	-192	-220	-198	-26	101	180	88	-31	-71
1979	Below Normal	23	44	63	88	116	45	53	151	218	142	2	2
1980	Above Normal	-17	-25	24	23	38	-12	164	140	209	129	40	19
1981	Dry	44	5	-4	-24	-18	-52	21	131	203	120	25	0
1982	Wet	12	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	41	60	83	110	40	52	150	218	140	60	44
1985	Dry	34	35	51	71	94	34	44	128	186	120	51	38
1986	Wet	-18	0	0	83	110	40	52	150	218	140	60	44
1987	Dry	6	9	12	14	21	1	14	52	78	49	17	9
1988	Critical	-5	-7	-10	-16	-20	-14	-5	-3	-3	-4	-6	-7
1989	Dry	0	7	-2	-3	-4	93	-1	-1	0	-1	-1	-1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	-1	-2	-4	-4	-3	-1	-1	-1	-1	-1	-1
1992	Critical	-1	-3	-3	-1	-6	-5	-1	0	-1	-1	-2	-2
1993	Above Normal	38	33	48	63	86	25	45	146	214	136	53	36
1994	Critical	1	2	3	4	9	0	1	1	1	1	2	2
1995	Wet	19	-91	-169	-200	-230	-205	-29	100	179	-16	-34	-72
1996	Wet	51	0	-3	-20	-13	-756	18	129	199	117	-36	-43
1997	Wet	34	37	57	78	105	-38	51	150	217	140	59	43
1998	Wet	11	-33	-98	-163	-196	-141	-46	-29	-22	-31	-54	-68
1999	Wet	10	57	82	118	152	71	63	158	224	148	72	57
2000	Above Normal	38	39	57	77	103	35	50	149	217	139	58	42
2001	Dry	7	7	11	16	21	9	8	22	31	20	10	8
2002	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
2003	Above Normal	23	23	33	45	60	20	30	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	1%	1%	1%	1%	1%	-3%	1%	5%	11%	8%	0%	1%
1923	Below Normal	1%	1%	1%	0%	1%	0%	1%	5%	12%	8%	3%	1%
1924	Critical	2%	2%	2%	2%	3%	2%	1%	1%	1%	2%	4%	3%
1925	Dry	-1%	-3%	-4%	-4%	-5%	-4%	-2%	0%	3%	0%	-5%	-6%
1926	Dry	4%	4%	4%	5%	5%	0%	2%	2%	4%	7%	9%	7%
1927	Wet	1%	1%	1%	0%	1%	0%	1%	5%	12%	10%	3%	1%
1928	Above Normal	2%	2%	1%	1%	1%	1%	1%	4%	9%	8%	3%	2%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	2%	2%	2%	2%	3%	1%	2%	7%	17%	16%	7%	4%
1933	Critical	1%	0%	0%	0%	0%	-1%	0%	2%	4%	4%	1%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Normal	3%	2%	2%	2%	2%	1%	1%	6%	14%	13%	5%	3%
1936	Below Normal	2%	10%	2%	2%	2%	1%	1%	5%	13%	12%	0%	0%
1937	Below Normal	2%	0%	1%	2%	2%	1%	1%	6%	14%	0%	0%	0%
1938	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	-2%	-2%	-3%	-3%	-25%	0%	4%	12%	5%	-2%	-3%
1940	Above Normal	4%	4%	4%	4%	5%	3%	3%	6%	14%	10%	4%	4%
1941	Wet	1%	0%	0%	0%	0%	0%	1%	4%	11%	5%	-1%	0%
1942	Wet	1%	1%	1%	1%	1%	0%	1%	5%	11%	8%	0%	1%
1943	Wet	1%	12%	1%	1%	1%	0%	1%	5%	11%	8%	3%	1%
1944	Dry	1%	1%	1%	1%	1%	0%	1%	4%	11%	10%	3%	1%
1945	Below Normal	1%	0%	0%	0%	0%	-1%	0%	4%	11%	8%	1%	0%
1946	Below Normal	1%	0%	0%	0%	0%	-1%	1%	4%	11%	9%	2%	0%
1947	Dry	1%	1%	1%	1%	1%	1%	1%	3%	7%	7%	3%	2%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	1%	1%	1%	1%	1%	0%	1%	3%	7%	0%	0%	1%
1951	Above Normal	2%	1%	1%	1%	2%	1%	1%	5%	12%	10%	4%	1%
1952	Wet	1%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-2%	0%	0%	-1%	0%	-1%	1%	5%	12%	10%	2%	0%
1954	Above Normal	1%	1%	1%	1%	1%	1%	1%	2%	5%	5%	3%	2%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%	0%
1956	Wet	-1%	1%	1%	1%	1%	1%	1%	5%	11%	9%	3%	2%
1957	Above Normal	2%	2%	2%	2%	2%	1%	2%	6%	14%	14%	6%	3%
1958	Wet	1%	13%	-2%	-2%	-2%	-2%	-1%	-1%	-2%	-2%	-2%	-2%
1959	Below Normal	0%	17%	1%	1%	1%	0%	1%	4%	9%	9%	3%	2%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	2%	2%	2%	1%	2%	1%	1%	5%	13%	12%	5%	3%
1963	Wet	1%	1%	1%	1%	1%	0%	1%	5%	13%	11%	4%	2%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	1%	1%	-1%	-1%	-1%	-2%	0%	4%	10%	7%	0%	-1%
1966	Below Normal	2%	15%	1%	0%	1%	0%	1%	4%	11%	10%	3%	1%
1967	Wet	1%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	2%	2%	2%	2%	1%	1%	6%	14%	13%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	1%	1%	1%	2%	1%	1%	5%	12%	10%	4%	2%
1971	Wet	2%	1%	1%	1%	2%	1%	1%	5%	11%	10%	4%	2%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	2%	1%	1%	1%	2%	1%	1%	5%	12%	11%	4%	2%
1974	Wet	-1%	12%	-2%	-1%	-1%	-3%	0%	4%	10%	7%	1%	0%
1975	Wet	2%	2%	2%	2%	2%	1%	2%	5%	12%	11%	4%	3%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	-2%	-3%	-2%	-2%	-3%	-1%	3%	9%	5%	-1%	-3%
1979	Below Normal	1%	2%	2%	1%	2%	1%	1%	5%	13%	11%	0%	0%
1980	Above Normal	-1%	-1%	0%	0%	0%	0%	4%	4%	10%	8%	2%	1%
1981	Dry	2%	0%	0%	0%	0%	-1%	1%	5%	12%	10%	2%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	1%	1%	1%	2%	1%	1%	5%	12%	10%	4%	2%
1985	Dry	2%	1%	1%	1%	2%	1%	1%	5%	11%	10%	4%	2%
1986	Wet	-1%	0%	0%	1%	1%	1%	1%	5%	12%	10%	3%	2%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	2%	5%	5%	2%	1%
1988	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	-1%	-1%	-1%
1989	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	2%	1%	1%	1%	1%	0%	1%	5%	12%	10%	4%	2%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	1%	-2%	-3%	-3%	-3%	-3%	-1%	3%	9%	-1%	-2%	-3%
1996	Wet	2%	0%	0%	0%	0%	-13%	0%	4%	10%	8%	-2%	-2%
1997	Wet	1%	1%	1%	1%	1%	-1%	1%	5%	11%	9%	3%	2%
1998	Wet	0%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1999	Wet	0%	2%	2%	2%	2%	1%	2%	6%	13%	12%	3%	3%
2000	Above Normal	2%	1%	1%	1%	2%	1%	1%	5%	13%	11%	4%	2%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	1%	2%	2%	1%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	1%	1%	1%	1%	1%	0%	1%	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Existing Condition (cfs)

SAC													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,527	3,607	4,109	5,577	5,465	5,526	4,052	3,450	3,132	2,833	1,331	1,835
1923	Below Normal	2,349	2,950	3,873	5,504	5,899	5,443	3,738	2,895	2,566	2,160	382	521
1924	Critical	780	1,508	2,039	3,025	3,139	2,590	1,718	1,071	859	704	384	542
1925	Dry	1,233	3,063	4,038	5,754	6,281	5,662	3,859	2,895	2,556	2,106	383	647
1926	Dry	1,178	1,989	3,481	4,950	5,403	4,874	3,333	2,501	2,206	1,815	425	1,125
1927	Wet	2,818	3,790	4,346	5,838	5,712	5,770	4,286	3,679	3,350	3,033	412	752
1928	Above Normal	1,026	3,739	4,231	5,665	5,563	5,587	4,162	3,568	3,248	2,935	373	510
1929	Critical	630	1,250	1,854	2,743	2,846	2,348	1,534	989	791	647	377	658
1930	Dry	858	2,238	2,984	4,322	4,617	4,021	2,714	1,893	1,617	1,338	366	582
1931	Critical	738	1,739	2,349	3,482	3,609	2,980	1,962	1,206	1,013	829	428	753
1932	Dry	1,097	2,311	3,062	4,392	4,770	4,254	2,891	2,124	1,858	1,532	374	607
1933	Critical	948	1,992	2,797	4,114	4,307	3,628	2,419	1,573	1,292	1,068	382	523
1934	Critical	800	1,866	2,519	3,733	3,868	1,572	435	1,744	2,676	2,063	387	723
1935	Below Normal	1,041	3,056	4,055	4,627	5,544	5,908	4,086	3,068	2,723	2,235	416	801
1936	Below Normal	2,702	3,871	4,522	6,066	5,935	5,998	4,461	3,832	3,489	3,158	383	635
1937	Below Normal	1,610	4,043	4,644	6,357	6,228	6,297	4,557	3,848	3,481	3,159	1,183	1,813
1938	Wet	2,539	3,926	4,613	6,384	6,268	6,362	4,509	3,840	3,431	3,114	823	1,370
1939	Dry	2,135	3,102	3,999	4,066	6,436	5,009	4,438	3,430	2,306	3,264	367	553
1940	Above Normal	1,482	3,033	4,090	5,349	6,469	5,834	3,997	3,002	2,655	2,183	924	1,614
1941	Wet	2,341	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,275	1,867
1942	Wet	2,581	3,656	4,199	5,741	5,629	5,697	4,138	3,505	3,178	2,873	574	1,933
1943	Wet	2,716	4,155	4,771	6,511	6,376	6,462	4,696	3,992	3,610	3,271	355	468
1944	Dry	836	2,334	3,096	4,442	4,796	4,250	2,888	2,090	1,818	1,501	539	757
1945	Below Normal	2,701	3,866	4,347	5,838	5,713	5,770	4,286	3,679	3,349	3,033	1,380	1,968
1946	Below Normal	2,714	3,566	4,141	5,583	5,467	5,532	4,092	3,505	3,188	2,881	447	753
1947	Dry	1,128	3,491	4,248	5,872	6,097	5,778	4,113	3,306	2,968	2,567	380	501
1948	Below Normal	642	1,884	3,071	2,628	6,144	5,586	3,974	3,003	2,679	2,190	546	755
1949	Dry	1,096	3,519	4,238	5,836	6,016	5,745	4,112	3,334	3,000	2,611	385	527
1950	Below Normal	866	2,754	3,631	2,278	6,288	5,694	3,994	2,999	2,655	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,244	4,056	5,547	5,452	5,550	3,989	3,405	3,021	2,725	1,405	1,960
1953	Wet	2,563	3,210	3,833	5,292	5,399	5,238	3,749	3,078	2,771	2,431	537	919
1954	Above Normal	1,933	3,060	4,045	5,702	6,198	5,752	3,918	2,940	2,595	2,137	469	809
1955	Dry	1,271	2,558	3,379	4,825	5,271	4,741	3,229	2,416	2,130	1,754	1,384	2,051
1956	Wet	2,957	4,159	4,747	6,426	6,288	6,377	4,687	4,004	3,638	3,290	520	759
1957	Above Normal	1,255	2,527	2,752	1,661	6,187	5,552	3,802	2,841	2,518	2,060	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	440	919
1959	Below Normal	1,904	2,911	3,845	4,092	6,297	5,688	3,935	2,958	2,623	2,152	365	482
1960	Dry	912	3,307	4,291	5,108	6,762	5,303	4,565	3,488	3,113	2,570	374	584
1961	Dry	814	2,737	3,608	4,976	5,638	4,652	2,598	1,201	2,972	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,632	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	377	1,622
1964	Dry	2,589	3,769	4,245	5,705	5,583	5,644	4,190	3,595	3,273	2,961	1,096	1,793
1965	Wet	2,178	3,417	3,918	5,233	5,272	5,266	3,872	3,281	2,977	2,669	1,125	1,785
1966	Below Normal	2,124	2,983	3,913	5,415	6,091	5,557	3,795	2,896	2,560	2,130	373	1,935
1967	Wet	2,718	3,907	4,557	6,218	6,088	6,165	4,485	3,804	3,449	3,122	1,249	1,931
1968	Below Normal	2,482	3,113	3,855	5,403	5,659	5,346	3,745	2,985	2,666	2,291	1,120	1,814
1969	Wet	2,518	3,821	4,418	5,979	5,868	5,970	4,352	3,746	3,351	3,015	1,293	1,916
1970	Wet	2,759	3,655	4,260	5,740	5,619	5,687	4,210	3,607	3,281	2,965	1,311	1,706
1971	Wet	1,740	2,850	3,835	5,481	6,026	5,440	3,680	2,768	2,436	2,009	472	1,512
1972	Below Normal	2,358	3,119	3,998	5,664	6,077	5,587	3,848	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,798	3,745	4,372	5,880	5,754	5,818	4,316	3,702	3,370	3,049	1,336	1,986
1974	Wet	2,729	3,925	4,515	6,170	6,045	6,126	4,450	3,773	3,420	3,094	599	933
1975	Wet	2,766	3,788	4,260	5,723	5,600	5,655	4,200	3,605	3,283	2,973	434	740
1976	Critical	1,117	2,876	3,794	3,853	6,224	4,809	4,177	3,150	2,811	2,293	373	510
1977	Critical	631	774	402	186	208	215	1,288	571	1,957	3,126	370	883
1978	Above Normal	2,300	3,405	3,992	5,393	5,281	5,330	3,929	3,355	3,048	2,761	503	764
1979	Below Normal	2,560	3,699	4,280	5,809	5,691	5,747	4,211	3,583	3,252	2,946	422	1,626
1980	Above Normal	2,477	3,770	4,353	5,883	5,774	5,873	4,286	3,697	3,295	2,976	396	1,064
1981	Dry	1,517	2,792	3,761	3,140	6,327	5,456	4,089	3,080	2,744	2,239	1,252	1,898
1982	Wet	2,755	4,237	4,929	6,769	6,638	6,733	4,821	4,132	3,700	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,704	3,654	4,315	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,503	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,734	4,044	4,605	6,181	6,058	6,153	4,549	3,915	3,519	3,180	355	485
1987	Dry	599	1,935	2,611	3,859	3,995	3,303	2,191	1,371	1,103	907	388	629
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	383	590
1989	Dry	664	3,163	4,234	5,245	6,723	5,805	4,274	3,218	2,855	2,341	374	568
1990	Critical	774	1,677	2,266	3,361	3,485	2,876	1,906	1,189	954	784	380	520
1991	Critical	642	1,318	1,714	2,035	2,936	2,421	1,652	1,016	791	676	379	501
1992	Critical	642	1,282	1,735	2,573	1,005	218	2,045	2,139	740	2,385	374	1,742
1993	Above Normal	2,370	3,319	3,999	4,658	5,852	5,626	4,052	3,305	2,980	2,593	537	730
1994	Critical	1,195	2,607	3,444	4,515	5,458	3,046	3,425	1,254	2,268	3,679	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,022	3,641	3,301	878	1,423
1996	Wet	2,620	3,857	4,356	5,869	5,745	5,809	4,298	3,682	3,350	3,030	1,248	1,834
1997	Wet	2,484	3,793	4,383	6,026	5,909	5,987	4,314	3,637	3,290	2,977	454	1,762
1998	Wet	2,504	3,709	4,709	6,504	6,384	6,471	4,590	3,918	3,498	3,180	1,292	1,738
1999	Wet	2,685	3,681	4,284	5,770	5,648	5,716	4,234	3,629	3,301	2,983	516	844
2000	Above Normal	1,772	3,218	4,142	5,852	6,271	5,759	3,978	3,067	2,725	2,291	359	491
2001	Dry	800	1,977	2,668	3,950	4,091	3,380	2,238	1,399	1,125	925	351	911
2002	Dry	1,399	3,820	4,274	5,716	5,591	5,639	4,209	3,623	2,588	3,683	446	952
2003	Above Normal	1,414	2,615	3,457	2,667	5,863	5,299	3,716	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 2 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,635	3,845	4,507	6,337	6,212	6,298	4,568	3,864	3,504	3,153	1,323	1,899
1923	Below Normal	2,553	3,106	2,584	2,880	6,560	6,235	4,567	3,700	3,346	2,872	606	631
1924	Critical	809	1,685	2,278	3,067	1,774	266	491	2,568	3,149	3,240	508	698
1925	Dry	995	2,580	3,407	4,906	5,352	4,819	3,301	2,479	2,194	1,814	536	695
1926	Dry	1,245	2,076	3,689	5,266	5,745	5,183	3,547	2,664	2,353	1,940	469	1,014
1927	Wet	2,794	3,725	4,262	5,855	5,728	5,783	4,332	3,732	3,413	3,066	594	751
1928	Above Normal	947	3,512	4,266	5,520	6,248	5,952	4,300	3,494	3,156	2,745	479	536
1929	Critical	661	1,316	1,781	2,643	2,744	2,263	738	1,254	986	790	394	664
1930	Dry	863	2,245	2,992	4,330	4,632	4,042	2,730	1,913	1,637	1,355	384	581
1931	Critical	734	1,732	2,339	3,467	3,594	2,968	1,136	1,206	1,449	1,154	431	753
1932	Dry	1,097	2,308	3,059	4,518	4,889	4,371	3,014	2,241	1,979	1,571	502	611
1933	Critical	995	2,064	2,886	4,247	4,486	3,846	2,591	1,713	1,326	1,409	413	523
1934	Critical	762	1,786	2,411	3,573	3,703	1,199	434	1,932	2,580	1,985	387	724
1935	Below Normal	1,042	3,079	4,087	4,897	6,698	6,060	4,229	3,202	2,860	2,331	586	794
1936	Below Normal	2,698	3,873	4,523	6,198	6,062	6,125	4,592	3,959	3,620	3,251	382	600
1937	Below Normal	1,606	4,001	4,606	6,446	6,315	6,384	4,649	3,935	3,574	3,127	1,164	1,807
1938	Wet	2,518	3,896	4,580	6,340	6,351	6,444	4,607	3,937	3,535	3,216	760	1,201
1939	Dry	1,973	3,177	4,067	4,514	6,561	5,120	4,593	3,592	2,026	3,594	493	555
1940	Above Normal	1,479	3,032	4,089	5,472	6,593	5,958	4,126	3,126	2,784	2,183	924	1,614
1941	Wet	2,340	3,499	4,153	5,855	5,747	5,832	4,225	3,555	3,202	2,771	1,274	1,860
1942	Wet	2,569	3,634	4,168	5,821	5,706	5,772	4,238	3,609	3,289	2,953	507	1,924
1943	Wet	2,704	4,137	4,740	6,592	6,453	6,536	4,800	4,090	3,719	3,347	480	468
1944	Dry	850	2,327	3,087	4,533	4,879	4,328	2,974	2,171	1,901	1,584	635	757
1945	Below Normal	2,660	3,870	4,352	5,973	5,843	5,901	4,420	3,808	3,483	3,130	1,506	1,968
1946	Below Normal	2,726	3,582	4,159	5,738	5,616	5,682	4,240	3,646	3,332	2,987	579	744
1947	Dry	1,119	3,480	4,249	5,951	6,188	5,855	4,181	3,363	3,027	2,620	447	502
1948	Below Normal	642	1,887	3,123	2,628	6,155	5,596	3,979	3,007	2,681	2,192	545	754
1949	Dry	1,094	3,517	4,239	5,839	6,023	5,748	4,112	3,332	2,997	2,607	385	527
1950	Below Normal	867	2,753	3,631	2,343	6,353	5,760	4,062	3,064	2,722	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,906	5,780	5,849	4,361	3,748	3,425	3,072	1,192	1,515
1952	Wet	2,142	3,243	3,882	5,388	5,418	5,498	3,955	3,309	2,988	2,705	1,557	1,959
1953	Wet	2,536	3,209	3,835	5,401	5,460	5,343	3,888	3,237	2,937	2,570	667	923
1954	Above Normal	2,000	3,083	4,077	5,881	6,258	5,831	3,984	3,000	2,654	2,193	519	805
1955	Dry	1,266	2,537	3,352	4,802	5,244	4,718	3,218	2,411	2,128	1,754	1,372	2,053
1956	Wet	2,959	4,162	4,749	6,558	6,416	6,505	4,819	4,131	3,770	3,389	645	759
1957	Above Normal	1,254	2,529	2,760	1,790	6,300	5,671	3,938	2,974	2,654	2,155	561	1,976
1958	Wet	2,829	4,376	5,062	7,049	6,908	6,998	5,074	4,383	3,946	3,591	587	903
1959	Below Normal	1,784	2,837	3,747	3,646	6,314	5,714	4,005	3,032	2,705	2,229	453	482
1960	Dry	923	3,319	4,292	5,208	6,721	5,384	4,511	3,459	3,084	2,553	374	584
1961	Dry	815	2,743	3,617	4,988	5,651	4,686	2,598	1,202	2,973	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,762	6,458	5,859	4,153	3,155	2,817	2,296	1,524	1,962
1963	Wet	2,640	3,535	4,111	5,675	5,555	5,620	4,193	3,604	3,293	2,950	503	1,627
1964	Dry	2,591	3,767	4,243	5,702	5,581	5,642	4,189	3,594	3,271	2,959	1,100	1,792
1965	Wet	2,152	3,416	3,922	5,324	5,419	5,407	4,011	3,412	3,112	2,767	1,251	1,783
1966	Below Normal	2,121	2,982	3,913	5,530	6,206	5,671	3,913	3,010	2,677	2,235	485	1,935
1967	Wet	2,719	3,908	4,545	6,200	6,197	6,272	4,604	3,921	3,490	3,241	1,343	1,911
1968	Below Normal	2,437	3,066	3,861	5,577	5,898	5,515	3,869	3,064	2,745	2,315	1,132	1,788
1969	Wet	2,500	3,798	4,394	5,949	5,964	6,067	4,458	3,851	3,461	3,124	1,293	1,916
1970	Wet	2,753	3,655	4,274	5,889	5,763	5,832	4,354	3,745	3,422	3,070	1,435	1,703
1971	Wet	1,730	2,843	3,825	5,534	6,121	5,536	3,784	2,868	2,541	2,109	578	1,516
1972	Below Normal	2,359	3,119	3,997	5,662	6,075	5,585	3,847	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,799	3,745	4,373	6,010	5,880	5,944	4,446	3,828	3,500	3,142	1,461	1,982
1974	Wet	2,724	3,874	4,431	6,168	6,043	6,116	4,498	3,837	3,498	3,143	715	934
1975	Wet	2,784	3,827	4,303	5,910	5,781	5,837	4,372	3,767	3,446	3,097	564	739
1976	Critical	1,111	2,859	3,772	3,826	6,189	4,806	4,147	3,126	2,789	2,275	373	510
1977	Critical	631	852	402	186	208	216	1,286	575	1,933	3,136	370	884
1978	Above Normal	2,234	3,332	4,001	5,610	5,641	5,535	4,042	3,378	3,068	2,708	606	761
1979	Below Normal	2,582	3,732	4,269	5,904	5,781	5,838	4,332	3,710	3,386	3,043	405	1,629
1980	Above Normal	2,444	3,564	4,189	5,850	5,738	5,823	4,269	3,617	3,268	2,931	480	1,091
1981	Dry	1,713	2,861	3,858	3,809	6,521	5,534	4,274	3,247	2,908	2,361	1,374	1,896
1982	Wet	2,751	4,238	4,930	6,900	6,764	6,860	4,951	4,258	3,701	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,519	3,976	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,702	3,654	4,316	5,941	5,813	5,882	4,395	3,783	3,458	3,102	1,317	975
1985	Dry	2,496	3,504	4,063	5,576	5,457	5,512	4,120	3,545	3,239	2,937	473	520
1986	Wet	2,711	4,046	4,607	6,313	6,186	6,281	4,681	4,044	3,652	3,261	481	486
1987	Dry	600	1,865	2,516	3,768	3,899	3,230	2,161	1,368	1,111	920	434	628
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	382	589
1989	Dry	662	3,159	4,229	5,224	6,719	5,711	4,303	3,240	2,876	2,357	374	568
1990	Critical	774	1,678	2,267	3,361	3,485	2,877	1,906	1,190	955	784	380	520
1991	Critical	642	1,318	1,684	2,035	2,943	2,427	1,658	1,019	763	707	379	501
1992	Critical	642	1,282	1,735	2,573	965	218	2,044	2,135	737	2,432	374	1,740
1993	Above Normal	2,362	3,317	4,001	4,757	5,993	5,762	4,188	3,433	3,112	2,686	662	731
1994	Critical	1,196	2,607	3,444	4,520	5,458	3,046	3,425	1,253	2,268	3,678	380	1,532
1995	Wet	2,043	4,204	4,806	6,670	6,529	6,610	4,864	4,148	3,772	3,424	1,005	1,592
1996	Wet	2,569	3,760	4,242	5,837	5,712	5,776	4,319	3,717	3,398	2,976	1,253	1,841
1997	Wet	2,495	3,799	4,389	6,162	6,039	6,117	4,449	3,768	3,425	3,078	584	1,758
1998	Wet	2,499	3,700	4,378	6,049	5,932	6,133	4,433	3,734	3,387	3,038	1,442	1,802
1999	Wet	2,717	3,668	4,299	5,922	5,795	5,864	4,378	3,767	3,442	3,086	641	850
2000	Above Normal	1,737	3,196	4,142	5,997	6,441	5,898	4,102	3,169	2,830	2,352	485	491
2001	Dry	811	1,993	2,690	4,001	4,142	3,425	2,274	1,428	1,152	950	369	909
2002	Dry	1,397	3,808	4,261	5,699	5,573	5,621	4,196	3,612	2,658	3,596	468	954
2003	Above Normal	1,414	2,615	3,456	2,744	5,937	5,374	3,793	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
 Alternative 2 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	108	238	398	760	747	772	516	414	371	320	-8	63
1923	Below Normal	204	156	-1,288	-2,624	661	793	829	805	780	711	224	110
1924	Critical	29	177	239	42	-1,365	-2,324	-1,226	1,497	2,291	2,536	124	156
1925	Dry	-238	-484	-631	-847	-929	-843	-558	-415	-362	-292	153	47
1926	Dry	67	87	208	316	343	308	214	164	148	125	43	-111
1927	Wet	-24	-65	-84	17	16	13	46	53	64	33	181	-1
1928	Above Normal	-79	-227	35	-146	684	365	137	-74	-92	-190	106	26
1929	Critical	31	66	-73	-100	-101	-84	-796	265	195	143	18	6
1930	Dry	5	7	8	8	15	21	16	20	20	17	18	-1
1931	Critical	-4	-8	-10	-14	-15	-12	-826	0	436	324	3	0
1932	Dry	0	-3	-4	126	119	117	123	117	121	38	129	4
1933	Critical	48	71	88	133	179	218	172	140	34	341	31	0
1934	Critical	-37	-80	-108	-160	-165	-373	-1	187	-96	-77	0	1
1935	Below Normal	1	24	32	270	155	151	142	134	137	96	120	-7
1936	Below Normal	-4	2	1	131	127	127	131	127	131	92	0	-35
1937	Below Normal	-4	-41	-38	89	87	87	91	87	93	-33	-19	-6
1938	Wet	-20	-30	-33	-44	82	83	97	97	104	102	-63	-169
1939	Dry	-162	75	68	448	125	110	155	161	-280	330	126	2
1940	Above Normal	-3	-1	-2	123	124	124	129	125	129	0	1	0
1941	Wet	-2	0	0	130	125	125	130	126	130	-1	-1	-7
1942	Wet	-12	-23	-31	80	76	75	100	104	111	79	-67	-9
1943	Wet	-12	-19	-31	81	76	75	105	98	109	76	125	0
1944	Dry	14	-8	-9	91	83	78	86	80	83	83	96	1
1945	Below Normal	-41	5	5	135	131	131	134	130	133	97	125	0
1946	Below Normal	12	16	18	154	149	150	148	141	144	106	132	-8
1947	Dry	-9	-11	1	79	91	76	68	57	59	53	68	0
1948	Below Normal	0	2	52	0	11	10	5	3	2	2	-2	-1
1949	Dry	-3	-2	1	3	6	3	0	-2	-3	-3	0	0
1950	Below Normal	1	-1	-1	65	66	66	68	66	68	0	0	0
1951	Above Normal	0	0	0	130	125	125	130	125	130	94	125	0
1952	Wet	-1	-1	-173	-159	-34	-52	-34	-96	-33	-20	151	-2
1953	Wet	-26	-1	2	109	61	105	139	159	166	138	120	5
1954	Above Normal	66	23	32	179	59	80	67	60	60	57	49	-4
1955	Dry	-6	-21	-27	-23	-27	-23	-11	-5	-2	0	-12	1
1956	Wet	2	3	2	132	128	128	132	128	132	98	125	0
1957	Above Normal	-1	1	8	130	113	118	136	132	136	95	125	0
1958	Wet	0	0	0	130	125	125	130	125	130	125	148	-16
1959	Below Normal	-120	-75	-98	-446	18	26	70	74	82	77	87	0
1960	Dry	11	12	1	100	-41	81	-55	-29	-29	-16	0	0
1961	Dry	0	6	8	11	13	34	0	0	1	0	0	0
1962	Below Normal	0	0	0	130	125	125	130	125	130	92	125	0
1963	Wet	0	0	0	129	125	125	129	125	129	92	126	5
1964	Dry	2	-2	-2	-2	-2	-2	-2	-1	-1	-1	4	-1
1965	Wet	-26	-2	3	91	147	141	139	131	134	98	126	-2
1966	Below Normal	-3	0	0	116	115	114	118	113	117	105	112	1
1967	Wet	1	2	-11	-18	109	107	118	117	41	119	94	-20
1968	Below Normal	-45	-47	6	174	239	169	124	80	79	24	12	-26
1969	Wet	-18	-22	-23	-30	97	97	107	105	110	108	1	0
1970	Wet	-6	1	15	149	144	144	144	138	141	104	123	-3
1971	Wet	-10	-7	-9	53	95	96	103	100	104	101	106	4
1972	Below Normal	1	0	-1	-2	-3	-2	-1	0	0	0	0	0
1973	Above Normal	0	0	1	131	126	126	130	126	130	93	125	-4
1974	Wet	-5	-50	-84	-2	-1	-10	48	65	78	49	116	1
1975	Wet	18	39	43	187	181	182	172	162	163	124	129	-1
1976	Critical	-6	-17	-22	-27	-35	-4	-30	-24	-22	-18	0	0
1977	Critical	0	77	0	0	0	1	-2	4	-24	10	0	1
1978	Above Normal	-66	-73	9	217	360	205	113	23	20	-53	103	-4
1979	Below Normal	22	33	-12	96	90	90	121	127	134	97	-17	3
1980	Above Normal	-33	-206	-164	-33	-36	-50	-17	-80	-27	-45	84	27
1981	Dry	196	69	97	669	194	78	185	167	164	121	122	-2
1982	Wet	-4	1	1	131	127	127	130	126	1	1	0	0
1983	Wet	0	0	0	0	0	125	130	0	0	0	0	0
1984	Wet	-1	0	0	130	125	125	130	125	130	94	125	0
1985	Dry	0	0	0	111	107	107	111	107	111	107	107	0
1986	Wet	-23	2	3	132	128	128	132	129	133	80	126	0
1987	Dry	1	-70	-94	-91	-97	-72	-30	-3	8	13	46	-1
1988	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1
1989	Dry	-1	-3	-5	-21	-4	-94	28	22	21	16	0	0
1990	Critical	0	0	1	1	1	1	0	0	0	0	0	0
1991	Critical	0	0	-30	0	8	6	6	3	-28	31	0	0
1992	Critical	0	0	0	0	-40	0	-1	-4	-4	47	0	-2
1993	Above Normal	-8	-3	1	99	141	136	136	128	132	93	125	1
1994	Critical	1	0	0	5	0	0	0	0	0	-1	0	0
1995	Wet	0	0	0	129	125	125	129	126	131	123	126	169
1996	Wet	-51	-97	-114	-31	-32	-33	21	35	49	-54	5	8
1997	Wet	11	6	6	135	131	131	135	131	135	101	130	-4
1998	Wet	-5	-9	-330	-455	-452	-338	-157	-184	-111	-142	151	64
1999	Wet	31	-13	16	152	147	148	145	138	141	103	124	6
2000	Above Normal	-35	-22	0	145	170	140	124	102	105	61	125	0
2001	Dry	11	16	22	51	45	45	36	29	27	25	18	-2
2002	Dry	-2	-12	-13	-18	-17	-18	-13	-11	70	-87	1	2
2003	Above Normal	1	0	-1	77	74	74	77	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	4%	7%	10%	14%	14%	14%	13%	12%	12%	11%	-1%	3%
1923	Below Normal	9%	5%	-33%	-48%	11%	15%	22%	28%	30%	33%	59%	-21%
1924	Critical	4%	12%	12%	1%	-43%	-90%	-71%	140%	267%	360%	32%	29%
1925	Dry	-19%	-16%	-16%	-15%	-15%	-15%	-14%	-14%	-14%	-14%	40%	7%
1926	Dry	6%	4%	6%	6%	6%	6%	6%	7%	7%	7%	10%	-10%
1927	Wet	-1%	-2%	-2%	0%	0%	0%	1%	2%	2%	1%	44%	0%
1928	Above Normal	-8%	-6%	1%	-3%	12%	7%	3%	-2%	-3%	-6%	28%	5%
1929	Critical	5%	5%	-4%	-4%	-4%	-4%	-52%	27%	25%	22%	5%	1%
1930	Dry	1%	0%	0%	0%	0%	1%	1%	1%	1%	1%	5%	0%
1931	Critical	-1%	0%	0%	0%	0%	0%	-42%	0%	43%	39%	1%	0%
1932	Dry	0%	0%	0%	3%	2%	3%	4%	6%	7%	3%	34%	1%
1933	Critical	5%	4%	3%	3%	4%	6%	7%	9%	3%	32%	8%	0%
1934	Critical	-5%	-4%	-4%	-4%	-4%	-24%	0%	11%	-4%	-4%	0%	0%
1935	Below Normal	0%	1%	1%	6%	2%	3%	3%	4%	5%	4%	29%	-1%
1936	Below Normal	0%	0%	0%	2%	2%	2%	3%	3%	4%	3%	0%	-5%
1937	Below Normal	0%	-1%	-1%	1%	1%	2%	2%	2%	3%	-1%	-2%	0%
1938	Wet	-1%	-1%	-1%	-1%	1%	1%	2%	3%	3%	3%	-8%	-12%
1939	Dry	-8%	2%	2%	11%	2%	2%	3%	5%	-12%	10%	34%	0%
1940	Above Normal	0%	0%	0%	2%	2%	2%	3%	4%	5%	0%	0%	0%
1941	Wet	0%	0%	0%	2%	2%	2%	3%	4%	4%	0%	0%	0%
1942	Wet	0%	-1%	-1%	1%	1%	1%	2%	3%	3%	3%	-12%	0%
1943	Wet	0%	0%	-1%	1%	1%	1%	2%	2%	3%	2%	35%	0%
1944	Dry	2%	0%	0%	2%	2%	2%	3%	4%	5%	6%	18%	0%
1945	Below Normal	-2%	0%	0%	2%	2%	2%	3%	4%	4%	3%	9%	0%
1946	Below Normal	0%	0%	0%	3%	3%	3%	4%	4%	5%	4%	30%	-1%
1947	Dry	-1%	0%	0%	1%	1%	1%	2%	2%	2%	2%	18%	0%
1948	Below Normal	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	3%	1%	1%	2%	2%	3%	0%	0%	0%
1951	Above Normal	0%	0%	0%	2%	2%	2%	3%	3%	4%	3%	12%	0%
1952	Wet	0%	0%	-4%	-3%	-1%	-1%	-1%	-3%	-1%	-1%	11%	0%
1953	Wet	-1%	0%	0%	2%	1%	2%	4%	5%	6%	6%	22%	0%
1954	Above Normal	3%	1%	1%	3%	1%	1%	2%	2%	2%	3%	11%	0%
1955	Dry	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1956	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	3%	24%	0%
1957	Above Normal	0%	0%	0%	8%	2%	2%	4%	5%	5%	5%	29%	0%
1958	Wet	0%	0%	0%	2%	2%	2%	3%	3%	3%	4%	34%	-2%
1959	Below Normal	-6%	-3%	-3%	-11%	0%	0%	2%	2%	3%	4%	24%	0%
1960	Dry	1%	0%	0%	2%	-1%	2%	-1%	-1%	-1%	-1%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	5%	2%	2%	3%	4%	5%	4%	9%	0%
1963	Wet	0%	0%	0%	2%	2%	2%	3%	4%	4%	3%	33%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-1%	0%	0%	2%	3%	3%	4%	4%	5%	4%	11%	0%
1966	Below Normal	0%	0%	0%	2%	2%	2%	3%	4%	5%	5%	30%	0%
1967	Wet	0%	0%	0%	0%	2%	2%	3%	3%	1%	4%	8%	-1%
1968	Below Normal	-2%	-2%	0%	3%	4%	3%	3%	3%	3%	1%	1%	-1%
1969	Wet	-1%	-1%	-1%	0%	2%	2%	2%	3%	3%	4%	0%	0%
1970	Wet	0%	0%	0%	3%	3%	3%	3%	4%	4%	4%	9%	0%
1971	Wet	-1%	0%	0%	1%	2%	2%	3%	4%	4%	5%	22%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	2%	2%	2%	3%	3%	4%	3%	9%	0%
1974	Wet	0%	-1%	-2%	0%	0%	0%	1%	2%	2%	2%	19%	0%
1975	Wet	1%	1%	1%	3%	3%	3%	4%	4%	5%	4%	30%	0%
1976	Critical	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1977	Critical	0%	10%	0%	0%	0%	0%	0%	1%	-1%	0%	0%	0%
1978	Above Normal	-3%	-2%	0%	4%	7%	4%	3%	1%	1%	-2%	20%	0%
1979	Below Normal	1%	1%	0%	2%	2%	2%	3%	4%	4%	3%	-4%	0%
1980	Above Normal	-1%	-5%	-4%	-1%	-1%	-1%	0%	-2%	-1%	-2%	21%	3%
1981	Dry	13%	2%	3%	21%	3%	1%	5%	5%	6%	5%	10%	0%
1982	Wet	0%	0%	0%	2%	2%	2%	3%	3%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	3%	11%	0%
1985	Dry	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	29%	0%
1986	Wet	-1%	0%	0%	2%	2%	2%	3%	3%	4%	3%	35%	0%
1987	Dry	0%	-4%	-4%	-2%	-2%	-2%	-1%	0%	1%	1%	12%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	-4%	5%	0%	0%
1992	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	-1%	2%	0%	0%
1993	Above Normal	0%	0%	0%	2%	2%	2%	3%	4%	4%	4%	23%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	14%	12%
1996	Wet	-2%	-3%	-3%	-1%	-1%	-1%	0%	1%	1%	-2%	0%	0%
1997	Wet	0%	0%	0%	2%	2%	2%	3%	4%	4%	3%	29%	0%
1998	Wet	0%	0%	-7%	-7%	-7%	-5%	-3%	-5%	-3%	-4%	12%	4%
1999	Wet	1%	0%	0%	3%	3%	3%	4%	4%	4%	3%	24%	1%
2000	Above Normal	-2%	-1%	0%	2%	3%	2%	3%	3%	4%	3%	35%	0%
2001	Dry	1%	1%	1%	1%	1%	1%	2%	2%	2%	3%	5%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-2%	0%	0%
2003	Above Normal	0%	0%	0%	3%	1%	1%	2%	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	756	4,709	6,178	7,947	7,996	6,058	1,386	1,534	790	388	112	110
1924	Critical	452	5,425	4,848	6,248	5,968	4,500	1,404	743	540	133	144	92
1925	Dry	66	4,162	4,471	7,683	7,900	5,943	1,788	1,721	678	330	107	108
1926	Dry	345	3,086	5,265	7,876	7,364	5,440	1,831	1,165	325	345	105	106
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,708	5,916	8,011	7,762	5,874	1,988	1,615	467	245	212	112
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92
1933	Critical	346	5,520	4,400	6,176	5,903	4,444	1,362	945	685	131	159	90
1934	Critical	149	5,043	4,621	6,198	6,159	4,664	1,482	983	361	261	91	93
1935	Below Normal	60	2,732	5,467	8,037	7,528	5,689	1,862	1,253	681	300	106	104
1936	Below Normal	110	4,799	5,363	7,044	7,605	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,812	7,305	7,495	5,670	1,913	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	910	7,190	5,206	7,681	7,284	5,539	1,551	1,381	855	352	106	104
1940	Above Normal	78	4,858	5,276	8,653	8,406	6,402	2,220	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,495	6,142	8,380	8,196	6,255	2,209	1,653	739	316	116	114
1944	Dry	190	5,302	4,961	7,415	7,344	5,542	1,839	1,329	444	274	127	108
1945	Below Normal	69	5,511	5,122	7,720	8,039	6,099	2,130	997	548	169	203	112
1946	Below Normal	174	6,934	6,123	8,356	7,939	6,126	2,083	1,623	605	197	235	118
1947	Dry	96	5,561	5,688	7,129	7,708	5,807	2,005	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,686	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,316	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,823	7,748	7,436	5,613	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	325	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,348	5,790	7,808	7,461	5,637	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,981	6,353	8,147	7,891	5,871	1,024	1,744	879	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,339	5,681	7,757	7,796	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,194	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,052	5,894	7,305	7,409	5,544	1,722	1,174	406	209	106	108
1965	Wet	388	4,376	6,252	8,459	8,181	5,326	2,191	1,821	392	301	120	118
1966	Below Normal	243	6,871	6,364	8,234	7,950	6,037	2,085	1,736	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,087	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,090	5,962	5,804	7,352	7,072	4,731	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	5,001	5,962	8,252	7,868	5,888	1,953	1,073	507	167	110	108
1980	Above Normal	78	5,153	5,829	8,152	8,201	6,329	2,192	1,631	823	233	116	118
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	73	5,581	5,773	7,577	7,194	5,424	1,767	1,415	528	163	106	101
1988	Critical	560	5,188	4,652	6,846	6,909	5,184	1,645	1,528	514	248	205	174
1989	Dry	76	5,217	6,039	7,568	7,621	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,587	6,494	6,450	4,868	1,521	1,093	539	219	89	91
1992	Critical	65	4,040	5,026	6,253	6,597	5,013	1,533	791	499	136	93	96
1993	Above Normal	69	5,237	4,548	7,578	8,396	6,310	2,278	1,408	557	341	116	118
1994	Critical	280	5,617	4,280	7,201	6,968	5,312	1,766	1,219	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,723	1,962	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,859	7,562	7,513	5,677	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 2 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118		
1923	Below Normal	748	4,692	6,147	7,913	7,954	6,024	1,376	1,528	789	387	111	109		
1924	Critical	455	5,441	4,864	6,268	5,988	4,517	1,413	744	541	133	144	93		
1925	Dry	66	4,165	4,480	7,698	7,918	5,958	1,794	1,725	678	330	107	108		
1926	Dry	350	3,095	5,303	7,933	7,425	5,489	1,857	1,170	327	346	106	108		
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114		
1928	Above Normal	69	4,715	5,931	8,031	7,783	5,891	1,997	1,619	467	246	212	112		
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97		
1930	Dry	68	4,317	5,158	7,773	7,378	5,554	1,596	1,506	625	426	106	104		
1931	Critical	591	5,605	4,230	5,771	6,074	4,591	1,417	1,033	453	132	103	88		
1932	Dry	214	5,105	4,265	6,323	6,252	4,713	1,486	1,235	566	243	93	92		
1933	Critical	346	5,513	4,394	6,169	5,895	4,438	1,359	944	684	130	159	90		
1934	Critical	149	5,042	4,620	6,196	6,157	4,663	1,481	983	361	261	91	93		
1935	Below Normal	60	2,732	5,465	8,035	7,525	5,687	1,861	1,253	681	300	106	104		
1936	Below Normal	110	4,799	5,363	7,045	7,605	5,772	1,880	1,644	907	302	106	108		
1937	Below Normal	64	4,703	5,810	7,304	7,492	5,669	1,912	1,241	415	193	106	108		
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476		
1939	Dry	898	7,144	5,171	7,633	7,231	5,496	1,534	1,376	854	352	106	104		
1940	Above Normal	78	4,861	5,279	8,659	8,412	6,407	2,222	1,195	606	172	116	118		
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118		
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118		
1943	Wet	82	4,493	6,137	8,373	8,188	6,249	2,206	1,652	739	316	116	114		
1944	Dry	190	5,297	4,954	7,406	7,333	5,534	1,834	1,328	444	274	127	108		
1945	Below Normal	69	5,497	5,103	7,688	8,004	6,070	2,115	996	548	168	202	111		
1946	Below Normal	174	6,925	6,114	8,344	7,927	6,115	2,078	1,621	605	197	235	118		
1947	Dry	96	5,563	5,692	7,133	7,714	5,811	2,007	1,012	652	352	216	232		
1948	Below Normal	273	2,239	4,183	7,757	8,685	6,573	2,053	1,503	719	212	184	125		
1949	Dry	69	5,489	5,410	8,317	8,010	6,059	2,086	1,781	706	370	116	118		
1950	Below Normal	146	5,851	5,822	7,747	7,435	5,613	1,759	1,017	486	163	106	108		
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114		
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118		
1953	Wet	323	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118		
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118		
1955	Dry	539	5,347	5,789	7,806	7,460	5,636	1,630	1,494	576	163	106	104		
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118		
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116		
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118		
1959	Below Normal	256	6,984	6,356	8,151	7,895	5,874	1,024	1,745	880	348	115	113		
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108		
1961	Dry	70	5,338	5,681	7,757	7,795	5,830	1,829	1,631	525	260	191	111		
1962	Below Normal	73	6,165	6,178	8,193	8,205	6,185	2,119	934	731	262	116	118		
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114		
1964	Dry	593	7,053	5,896	7,307	7,411	5,545	1,723	1,174	406	209	106	108		
1965	Wet	387	4,371	6,237	8,439	8,160	5,311	2,182	1,817	392	301	120	118		
1966	Below Normal	244	6,880	6,375	8,247	7,964	6,048	2,091	1,738	342	236	116	118		
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114		
1968	Below Normal	74	5,867	6,056	7,773	8,086	5,493	2,151	1,357	512	176	115	117		
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118		
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116		
1971	Wet	320	7,269	5,328	8,258	8,166	6,195	2,079	1,728	700	226	194	143		
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110		
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118		
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118		
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472		
1976	Critical	1,089	5,962	5,803	7,351	7,071	4,730	1,536	1,543	731	372	98	256		
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91		
1978	Above Normal	74	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118		
1979	Below Normal	72	4,981	5,923	8,200	7,812	5,843	1,930	1,071	506	166	109	107		
1980	Above Normal	78	5,148	5,818	8,138	8,185	6,316	2,185	1,628	823	233	116	118		
1981	Dry	69	4,758	5,667	8,609	8,262	6,302	1,947	1,043	357	212	116	118		
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118		
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114		
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118		
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118		
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120		
1987	Dry	72	5,579	5,770	7,573	7,190	5,420	1,765	1,414	528	163	106	101		
1988	Critical	559	5,185	4,649	6,842	6,904	5,181	1,643	1,527	514	248	205	174		
1989	Dry	76	5,217	6,038	7,567	7,620	5,701	646	1,097	668	438	106	104		
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154		
1991	Critical	64	3,895	4,586	6,493	6,449	4,867	1,521	1,093	539	219	89	91		
1992	Critical	65	4,039	5,025	6,251	6,595	4,997	1,532	791	499	136	93	96		
1993	Above Normal	69	5,235	4,545	7,574	8,390	6,306	2,276	1,408	557	341	116	118		
1994	Critical	280	5,616	4,280	7,200	6,968	5,311	1,766	1,218	358	212	101	104		
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114		
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118		
1997	Wet	467	7,275	6,138	7,889	8,041	5,720	1,960	1,349	360	307	116	118		
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118		
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114		
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118		
2001	Dry	73	4,831	5,860	7,563	7,514	5,678	1,724	1,441	354	163	106	104		
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118		
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a		

Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
 Alternative 2 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	-8	-18	-30	-35	-42	-34	-10	-6	-2	-1	-1	-1
1924	Critical	4	16	16	19	20	17	9	1	1	1	1	1
1925	Dry	0	3	8	15	18	15	6	3	1	0	0	0
1926	Dry	5	9	38	57	61	49	26	5	1	1	1	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	7	15	19	21	17	9	4	1	1	0	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	-1	-1	-1	-1	-1	-1	0	-1	0	0	0
1933	Critical	0	-6	-6	-7	-8	-6	-3	-1	-1	0	0	0
1934	Critical	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
1935	Below Normal	0	0	-2	-3	-3	-2	-1	0	0	0	0	0
1936	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Normal	0	0	-1	-2	-2	-2	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-12	-45	-35	-49	-52	-43	-17	-5	-1	0	0	0
1940	Above Normal	0	2	3	6	6	5	2	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	-2	-5	-7	-8	-6	-3	-1	0	0	0	0
1944	Dry	0	-5	-7	-10	-11	-9	-5	-1	0	0	0	0
1945	Below Normal	0	-14	-20	-33	-35	-29	-15	-1	0	-1	-1	-1
1946	Below Normal	0	-8	-10	-12	-13	-10	-5	-2	0	0	0	0
1947	Dry	0	3	4	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	1	0	0	0	0	0	0	0
1950	Below Normal	0	-1	-1	-1	-1	-1	0	0	-1	0	-1	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1954	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-1	-1	-2	-2	-1	-1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	3	3	4	4	3	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	2	2	2	2	2	1	0	0	0	0	0
1965	Wet	-1	-5	-16	-20	-22	-14	-9	-4	0	0	0	0
1966	Below Normal	0	9	11	13	14	11	6	2	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	0	0	0	-1	-1	0	0	0	-1	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-1	0	0	0	0	0	0	0	0	0	0	0
1979	Below Normal	0	-20	-39	-53	-57	-45	-23	-3	-1	-1	-1	-1
1980	Above Normal	0	-6	-10	-14	-16	-13	-7	-2	0	0	0	0
1981	Dry	0	2	4	6	6	5	2	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	-2	-3	-4	-4	-3	-2	0	0	0	0	0
1988	Critical	-1	-2	-3	-4	-5	-4	-2	-1	0	0	0	0
1989	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1992	Critical	0	-1	-2	-2	-2	-16	-1	0	0	0	0	0
1993	Above Normal	0	-2	-3	-4	-6	-4	-2	0	0	0	0	0
1994	Critical	-1	0	0	-1	-1	-1	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	-2	-3	-3	-3	-3	-1	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%
1924	Critical	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	2%	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1940	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	5
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,450	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,656	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,406	3,336	2,532	968	267	74	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	116	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	6
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	12	74
1939	Dry	629	3,398	2,274	3,179	3,001	2,410	1,653	444	83	14	4	5
1940	Above Normal	24	2,165	2,597	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	39	974	2,483	3,743	3,538	2,844	2,317	697	19	18	11	16
1943	Wet	35	1,419	2,967	3,444	3,295	2,664	2,200	657	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	19	2,280	2,965	3,206	3,348	2,487	2,223	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,022	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,014	3,146	3,211	2,600	2,138	733	23	22	16	16
1953	Wet	104	1,995	2,723	3,311	3,343	2,507	2,219	416	15	15	6	10
1954	Above Normal	28	1,323	2,982	3,460	3,322	2,523	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,313	3,091	2,475	1,000	726	90	13	4	4
1960	Dry	14	1,813	2,677	3,447	3,208	2,589	2,133	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,779	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,366	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,552	2,837	2,302	707	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,178	3,232	2,404	2,131	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,935	3,252	3,485	2,830	2,725	2,260	147	20	20	11	11
1975	Wet	34	2,086	3,152	3,436	3,189	2,517	2,126	62	23	17	7	35
1976	Critical	876	3,048	2,952	3,363	3,332	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,144	3,648	3,428	2,757	1,473	809	16	16	6	7
1979	Below Normal	33	1,845	3,131	3,564	3,319	2,546	2,090	86	18	17	10	15
1980	Above Normal	41	2,418	2,870	3,181	3,108	2,509	2,022	596	74	22	8	12
1981	Dry	25	1,937	3,030	3,584	3,340	2,678	1,883	28	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	39	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,993	3,225	2,995	2,396	1,984	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,672	1,928	3,751	3,540	2,826	2,307	103	18	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,175	3,515	3,492	2,790	2,046	290	23	22	15	14
1999	Wet	39	2,465	2,972	3,068	3,055	2,431	2,023	570	18	17	6	10
2000	Above Normal	28	1,835	2,727	3,529	3,473	2,786	2,139	32	14	14	4	4
2001	Dry	39	2,223	3,136	3,305	3,144	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,999	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 2 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	40	2,753	2,709	3,332	3,136	2,527	2,087	128	21	20	15	16		
1923	Below Normal	281	2,035	3,039	3,321	3,311	2,657	1,508	553	38	14	5	6		
1924	Critical	25	2,027	1,721	1,997	1,964	1,485	585	10	5	5	6			
1925	Dry	16	1,697	2,619	3,329	3,435	2,710	1,959	689	11	11	5	6		
1926	Dry	183	1,125	2,919	3,698	3,453	2,740	2,281	170	12	12	7	12		
1927	Wet	34	2,252	2,821	3,254	3,304	2,655	2,180	109	17	17	7	8		
1928	Above Normal	15	2,048	3,032	3,248	3,078	2,473	2,044	608	12	12	4	5		
1929	Critical	24	2,974	3,053	2,785	3,435	2,597	1,007	448	82	5	4	6		
1930	Dry	14	1,896	2,814	3,424	3,184	2,548	1,894	648	9	9	4	5		
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8		
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5		
1933	Critical	46	3,390	2,492	3,407	3,338	2,534	969	268	74	7	4	5		
1934	Critical	53	1,766	1,582	2,037	2,100	1,594	591	116	6	5	4	6		
1935	Below Normal	17	1,137	2,987	3,640	3,397	2,724	2,162	434	13	13	4	9		
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	5		
1937	Below Normal	26	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	14	19		
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	11	74		
1939	Dry	628	3,398	2,274	3,179	3,001	2,410	1,654	444	83	11	4	5		
1940	Above Normal	24	2,165	2,596	3,469	3,306	2,651	2,185	135	13	13	12	15		
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18		
1942	Wet	38	974	2,483	3,743	3,536	2,842	2,316	696	19	18	11	16		
1943	Wet	34	1,419	2,967	3,443	3,293	2,662	2,199	656	21	20	4	4		
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7		
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17		
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7		
1947	Dry	18	2,280	2,965	3,206	3,348	2,487	2,222	33	15	15	4	4		
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7		
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,021	715	35	15	4	5		
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17		
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16		
1952	Wet	35	1,835	3,011	3,140	3,199	2,586	2,129	727	20	20	17	16		
1953	Wet	104	1,995	2,723	3,312	3,344	2,508	2,219	417	16	15	6	10		
1954	Above Normal	29	1,323	2,982	3,460	3,323	2,524	2,204	675	14	13	7	9		
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18		
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7		
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17		
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10		
1959	Below Normal	95	2,900	2,947	3,312	3,089	2,473	999	726	90	12	4	4		
1960	Dry	15	1,813	2,677	3,447	3,208	2,589	2,134	644	14	14	4	5		
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5		
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16		
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13		
1964	Dry	178	3,147	2,778	3,057	3,089	2,487	1,831	159	17	17	12	15		
1965	Wet	141	2,012	3,067	3,365	3,155	2,098	2,071	745	16	15	12	14		
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17		
1967	Wet	37	909	3,157	3,107	3,551	2,837	2,302	706	20	19	13	16		
1968	Below Normal	32	2,431	2,998	3,177	3,231	2,403	2,130	164	15	14	13	19		
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17		
1970	Wet	36	2,536	3,075	2,997	3,122	2,512	2,075	278	18	17	14	14		
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13		
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16		
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19		
1974	Wet	39	1,934	3,251	3,483	2,827	2,722	2,258	146	20	19	11	11		
1975	Wet	34	2,087	3,153	3,436	3,190	2,518	2,126	62	23	17	7	34		
1976	Critical	876	3,048	2,952	3,363	3,331	2,162	890	447	23	10	4	25		
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10		
1978	Above Normal	30	1,265	3,143	3,647	3,425	2,753	1,471	807	16	15	5	7		
1979	Below Normal	32	1,845	3,131	3,564	3,317	2,544	2,089	85	18	17	9	15		
1980	Above Normal	41	2,414	2,867	3,176	3,098	2,498	2,014	591	73	20	8	12		
1981	Dry	27	1,938	3,031	3,585	3,342	2,680	1,885	29	13	12	13	17		
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19		
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16		
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11		
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4		
1986	Wet	37	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4		
1987	Dry	9	2,340	2,992	3,224	2,993	2,395	1,983	450	6	7	4	6		
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5		
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5		
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24		
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4		
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14		
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7		
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13		
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13		
1996	Wet	33	1,671	1,927	3,751	3,539	2,825	2,306	102	17	17	15	17		
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16		
1998	Wet	37	1,524	1,173	3,512	3,487	2,785	2,042	285	20	20	15	15		
1999	Wet	39	2,465	2,972	3,068	3,056	2,431	2,024	570	18	17	6	10		
2000	Above Normal	27	1,834	2,726	3,529	3,473	2,785	2,138	31	14	14	4	4		
2001	Dry	39	2,223	3,137	3,305	3,145	2,515	1,859	188	6	8	8	10		
2002	Dry	41	2,925	2,337	3,202	2,998	2,411	1,992	709	16	16	10	11		
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a		

Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
 Alternative 2 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	6	4	4	8	17	18	13	4	3	3	0	1
1923	Below Normal	1	1	1	1	3	3	2	1	0	1	1	1
1924	Critical	0	1	1	2	4	4	3	1	1	1	1	2
1925	Dry	-4	-2	-2	-5	-10	-10	-8	-4	-2	-2	1	0
1926	Dry	1	1	1	2	3	4	3	1	1	1	0	-1
1927	Wet	-1	0	0	-1	-2	-2	-1	0	0	0	0	-1
1928	Above Normal	-1	-1	-1	-2	-5	-5	-4	-2	-1	-1	0	0
1929	Critical	0	0	0	0	-1	-1	-1	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	1	1	2	2	2	1	0	0	0	0
1934	Critical	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1935	Below Normal	0	0	0	0	0	1	0	0	0	0	0	0
1936	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Normal	0	0	0	0	0	0	0	0	0	0	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	-1
1939	Dry	0	0	0	0	1	1	0	0	0	-3	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	-1	-1	-1	-1	0	0	0	0	0
1943	Wet	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-3	-6	-12	-13	-10	-6	-3	-2	0	0
1953	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1954	Above Normal	0	0	0	0	1	1	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	0	0	-1	-1	-1	-1	-1	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1975	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	0	0	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1979	Below Normal	0	0	0	-1	-1	-2	-1	0	0	0	0	0
1980	Above Normal	0	-4	-2	-5	-10	-11	-8	-5	-2	-2	0	0
1981	Dry	2	0	0	1	2	2	1	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-2	-3	-5	-5	-4	-6	-3	-3	0	1
1999	Wet	0	0	0	0	0	1	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	-1	-1	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	16%	0%	0%	0%	1%	1%	1%	3%	19%	19%	2%	6%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	4%	29%	-24%
1924	Critical	1%	0%	0%	0%	0%	0%	1%	13%	13%	13%	36%	32%
1925	Dry	-20%	0%	0%	0%	0%	0%	0%	-1%	-15%	-15%	32%	9%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	6%	6%	-3%	-4%
1927	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-6%	-7%
1928	Above Normal	-8%	0%	0%	0%	0%	0%	0%	0%	-6%	-6%	7%	6%
1929	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	5%	1%
1930	Dry	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	6%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
1933	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	-1%	-4%	-4%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	-1%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%
1943	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	-1%	-11%	-11%	2%	-1%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1954	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1968	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	1%	-2%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-5%	-3%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-4%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-9%	5%	1%
1981	Dry	8%	0%	0%	0%	0%	0%	0%	3%	3%	3%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
1996	Wet	-1%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	0%	1%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	-11%	-11%	2%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	1%
2000	Above Normal	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,066	2,971	3,107	3,306	3,437	3,563	4,010	3,739	3,363	2,917	2,586	2,547
1924	Critical	2,464	2,357	2,307	2,509	2,719	2,704	2,466	2,155	1,733	1,294	987	834
1925	Dry	813	975	1,089	1,422	2,605	2,984	3,692	3,832	3,592	3,130	2,768	2,690
1926	Dry	2,582	2,561	2,593	2,632	3,380	3,581	3,907	3,780	3,297	2,684	2,304	2,199
1927	Wet	2,127	2,583	3,023	3,473	3,462	4,090	4,552	4,552	4,233	3,759	3,378	2,861
1928	Above Normal	2,778	2,869	2,979	3,204	3,707	3,965	4,552	4,505	4,003	3,311	2,939	2,591
1929	Critical	2,471	2,372	2,434	2,698	2,886	3,060	3,096	3,001	2,712	2,278	1,819	1,733
1930	Dry	1,616	1,545	2,088	2,285	2,686	3,181	3,284	3,230	2,862	2,417	2,147	2,091
1931	Critical	2,001	1,966	1,951	2,033	2,121	2,294	1,981	1,701	1,347	877	638	602
1932	Dry	581	584	762	902	1,038	1,518	1,628	1,812	1,608	1,370	1,127	1,027
1933	Critical	936	907	896	905	942	1,540	1,683	1,760	1,593	1,327	860	658
1934	Critical	632	616	735	1,025	1,345	1,604	1,576	1,443	1,122	650	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,971	1,795
1936	Below Normal	1,706	1,646	1,640	2,297	3,188	3,490	3,702	3,631	3,381	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,656	3,461	3,060	2,718	2,635
1938	Wet	2,588	3,118	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,222
1939	Dry	3,203	3,111	3,225	3,347	3,409	3,826	3,653	3,470	3,128	2,576	2,176	2,137
1940	Above Normal	2,093	2,004	2,143	3,038	3,252	3,435	4,162	4,165	3,773	3,173	2,792	2,702
1941	Wet	2,614	2,589	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,129	2,881	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,108	3,541	3,848	4,118	4,552	4,552	4,273	3,729	3,379	2,870
1944	Dry	2,801	2,537	2,542	2,581	2,895	3,277	3,272	3,260	3,085	2,683	2,422	2,412
1945	Below Normal	2,344	2,483	2,779	2,980	3,680	3,922	4,053	4,161	3,915	3,430	3,074	2,934
1946	Below Normal	2,876	3,138	3,265	3,622	3,805	4,124	4,282	4,251	3,880	3,396	3,063	2,992
1947	Dry	2,879	2,926	3,006	3,005	3,271	3,796	3,880	3,578	3,380	2,813	2,465	2,354
1948	Below Normal	2,400	2,406	2,399	2,965	3,054	3,390	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,390	3,093	3,073
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,222	2,967	3,345	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,058	3,215	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,978	3,249	3,435	3,586	3,754	3,964	4,103	3,817	3,240	2,908	2,878
1956	Wet	2,821	2,911	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,908	2,956	3,648	3,777	4,221	4,229	4,081	3,615	3,073	2,711	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,254	4,333	4,470	4,038	3,427	3,143	3,040
1961	Dry	2,956	3,065	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,814	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,095
1964	Dry	3,089	3,252	3,289	3,669	3,898	4,048	3,841	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,546	4,208	3,722	3,453	2,985
1966	Below Normal	2,903	2,972	3,093	3,577	3,989	4,229	4,552	4,436	3,897	3,268	2,984	2,884
1967	Wet	2,749	3,075	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,343
1968	Below Normal	3,250	3,098	3,189	3,366	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,949	3,603	3,200
1970	Wet	3,240	3,185	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,183
1974	Wet	3,212	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,902	3,021	3,122	3,771	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,022	3,101	3,362	3,417	3,649	3,701	3,581	3,200	2,713	2,419	2,819
1977	Critical	2,670	2,597	2,548	2,524	2,389	2,355	1,955	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,043	3,014	3,093	3,445	3,951	4,214	4,377	3,949	3,505	3,299	3,245
1980	Above Normal	3,250	3,252	3,354	3,528	3,292	3,940	4,229	4,219	3,871	3,434	3,094	3,102
1981	Dry	3,026	2,767	2,890	3,162	3,569	4,172	4,385	4,178	3,523	2,914	2,653	2,584
1982	Wet	2,623	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,816
1987	Dry	2,814	2,687	2,674	2,796	3,137	3,872	3,800	3,529	2,981	2,456	2,189	2,143
1988	Critical	1,980	1,952	2,451	2,857	2,915	3,058	3,052	3,035	2,619	2,068	1,647	1,605
1989	Dry	1,468	1,673	1,759	1,938	2,044	3,425	3,878	3,650	3,309	2,724	2,446	2,488
1990	Critical	2,592	2,599	2,566	2,811	2,908	3,173	2,989	3,161	2,991	2,430	2,054	2,062
1991	Critical	1,978	1,937	1,921	1,820	1,850	2,270	2,432	2,388	2,103	1,755	1,568	1,516
1992	Critical	1,399	1,256	1,253	1,287	1,935	2,379	2,626	2,284	1,684	1,068	581	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,028	3,100	3,235	3,460	3,637	3,420	2,270	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,604	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	3,011	3,368	3,723	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,114	3,005	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,897	2,712	2,293
1998	Wet	2,176	2,100	2,283	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,950	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,194	2,860	2,944	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,948	3,072	3,501	3,995	4,097	3,886	3,323	2,831	2,666	2,647
2002	Dry	2,492	2,667	3,314	3,678	4,022	4,411	4,468	4,296	3,823	3,357	3,101	3,022
2003	Above Normal	2,880	2,826	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,637	3,355	3,200

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Alternative 2 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,110
1923	Below Normal	3,056	2,919	3,054	3,254	3,396	3,522	3,969	3,731	3,388	2,945	2,640	2,631
1924	Critical	2,580	2,503	2,484	2,614	2,824	2,809	2,543	2,230	1,796	1,342	1,019	899
1925	Dry	878	1,039	1,154	1,487	2,669	3,049	3,756	3,896	3,655	3,207	2,845	2,753
1926	Dry	2,644	2,623	2,655	2,694	3,442	3,643	3,969	3,808	3,338	2,721	2,352	2,245
1927	Wet	2,172	2,627	3,068	3,508	3,462	4,090	4,552	4,552	4,233	3,759	3,375	2,860
1928	Above Normal	2,777	2,868	2,977	3,202	3,706	3,965	4,552	4,504	4,002	3,318	2,944	2,594
1929	Critical	2,474	2,374	2,436	2,700	2,897	3,070	3,106	3,012	2,722	2,289	1,816	1,729
1930	Dry	1,613	1,542	2,092	2,289	2,690	3,184	3,287	3,234	2,865	2,419	2,149	2,093
1931	Critical	2,003	1,968	1,952	2,035	2,123	2,296	1,982	1,703	1,349	883	641	605
1932	Dry	584	587	765	904	1,040	1,521	1,631	1,816	1,612	1,373	1,130	1,030
1933	Critical	940	910	900	909	945	1,543	1,702	1,796	1,645	1,388	867	677
1934	Critical	619	602	731	1,022	1,342	1,601	1,572	1,418	1,097	650	570	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,289	1,902	1,796
1936	Below Normal	1,708	1,648	1,642	2,299	3,189	3,491	3,704	3,633	3,383	2,836	2,463	2,331
1937	Below Normal	2,168	2,042	2,002	1,977	2,057	2,704	3,405	3,657	3,461	3,061	2,720	2,637
1938	Wet	2,590	3,120	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,230
1939	Dry	3,214	3,077	3,202	3,324	3,386	3,803	3,632	3,451	3,118	2,566	2,184	2,136
1940	Above Normal	2,074	1,984	2,122	3,017	3,252	3,435	4,162	4,165	3,773	3,172	2,791	2,675
1941	Wet	2,585	2,559	3,293	3,317	3,423	3,940	4,456	4,552	4,456	4,150	3,700	3,209
1942	Wet	3,130	2,882	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,109	3,541	3,848	4,118	4,552	4,552	4,274	3,732	3,382	2,866
1944	Dry	2,797	2,509	2,515	2,553	2,867	3,257	3,252	3,241	3,067	2,669	2,411	2,402
1945	Below Normal	2,335	2,474	2,770	2,970	3,670	3,912	4,073	4,215	4,001	3,517	3,192	3,080
1946	Below Normal	3,049	3,252	3,265	3,622	3,805	4,124	4,283	4,253	3,882	3,399	3,067	2,996
1947	Dry	2,883	2,930	3,011	3,009	3,275	3,800	3,884	3,582	3,383	2,816	2,467	2,354
1948	Below Normal	2,400	2,405	2,399	2,965	3,053	3,389	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,388	3,091	3,071
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,221	2,894	3,338	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,192
1954	Above Normal	3,200	3,064	3,222	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,977	3,248	3,434	3,585	3,753	3,963	4,102	3,816	3,240	2,909	2,882
1956	Wet	2,824	2,915	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,903	2,952	3,648	3,777	4,221	4,229	4,081	3,615	3,072	2,710	2,844
1960	Dry	2,726	2,683	2,666	2,881	3,588	4,253	4,333	4,470	4,037	3,426	3,143	3,039
1961	Dry	2,956	3,064	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,815	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,097
1964	Dry	3,090	3,252	3,290	3,670	3,899	4,049	3,842	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,547	4,210	3,725	3,457	2,989
1966	Below Normal	2,906	2,984	3,105	3,588	4,000	4,229	4,552	4,436	3,896	3,267	2,986	2,886
1967	Wet	2,752	3,079	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,336
1968	Below Normal	3,250	2,989	3,081	3,258	3,654	4,242	4,268	4,169	3,755	3,161	2,968	2,957
1969	Wet	2,948	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,947	3,602	3,200
1970	Wet	3,243	3,188	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,132
1974	Wet	3,200	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,908	3,028	3,129	3,778	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,021	3,100	3,360	3,415	3,647	3,699	3,580	3,200	2,709	2,717	2,817
1977	Critical	2,670	2,596	2,548	2,523	2,388	2,354	1,954	1,819	1,231	668	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,389
1979	Below Normal	3,202	2,976	2,952	3,041	3,387	3,894	4,156	4,332	3,907	3,475	3,273	3,204
1980	Above Normal	3,227	3,252	3,354	3,528	3,292	3,940	4,223	4,213	3,866	3,429	3,137	3,059
1981	Dry	2,977	2,820	2,943	3,215	3,622	4,224	4,437	4,230	3,575	2,955	2,683	2,618
1982	Wet	2,657	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,494	4,194	3,601	3,368	2,956
1985	Dry	3,033	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,461	2,406	2,541	3,072	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,820
1987	Dry	2,818	2,667	2,654	2,776	3,116	3,852	3,780	3,510	2,982	2,456	2,186	2,138
1988	Critical	1,971	1,943	2,442	2,848	2,910	3,053	3,045	3,028	2,611	2,064	1,644	1,602
1989	Dry	1,464	1,669	1,756	1,933	2,040	3,420	3,873	3,645	3,305	2,720	2,442	2,484
1990	Critical	2,588	2,596	2,562	2,807	2,905	3,170	2,985	3,157	2,987	2,426	2,050	2,058
1991	Critical	1,974	1,932	1,916	1,815	1,845	2,265	2,427	2,383	2,098	1,754	1,567	1,516
1992	Critical	1,398	1,254	1,251	1,286	1,934	2,378	2,625	2,282	1,681	1,066	579	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,029	3,101	3,236	3,461	3,638	3,421	3,271	2,804	2,219	1,748	1,726
1995	Wet	1,616	1,557	1,603	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	2,942	3,307	3,673	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,117	3,009	3,252	3,252	3,737	3,956	4,008	3,775	3,429	2,900	2,716	2,292
1998	Wet	2,176	2,099	2,282	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,959	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,189	2,858	2,941	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,946	3,070	3,498	3,993	4,095	3,884	3,321	2,828	2,667	2,648
2002	Dry	2,493	2,668	3,315	3,678	4,022	4,411	4,467	4,296	3,823	3,357	3,100	3,022
2003	Above Normal	2,874	2,821	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,638	3,356	3,200

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219
1923	Below Normal	4,756	6,356	3,282	3,048	3,175	3,427	2,992	10,586	10,637	10,737	8,530	3,960
1924	Critical	4,977	5,343	4,683	689	2,922	4,076	7,613	8,005	9,846	9,844	7,730	5,402
1925	Dry	3,875	2,869	2,826	0	1,633	2,821	2,539	5,327	8,881	10,566	8,966	4,781
1926	Dry	5,257	4,148	3,485	3,184	1,710	3,073	2,965	6,172	10,988	12,491	8,638	4,329
1927	Wet	4,215	2,802	3,514	3,721	24,504	3,396	9,170	8,633	10,800	11,234	9,214	11,809
1928	Above Normal	4,571	5,897	3,647	3,772	2,128	11,349	3,051	6,809	12,239	14,437	8,915	8,804
1929	Critical	5,067	5,597	3,134	0	3,115	3,212	6,087	6,541	8,466	9,797	10,080	4,127
1930	Dry	4,734	4,110	2,457	3,067	2,581	2,869	5,170	5,860	9,519	10,015	7,003	3,762
1931	Critical	4,346	3,690	3,334	3,023	3,069	3,017	9,117	7,536	8,659	10,060	6,288	3,107
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	5,272	4,366	7,218	6,602	6,439	4,139
1933	Critical	4,020	3,466	3,238	3,373	3,251	3,253	5,624	5,513	7,263	7,114	10,081	5,936
1934	Critical	3,122	3,103	3,287	2,964	2,958	3,095	5,797	6,097	8,366	10,175	3,584	2,828
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,024	9,504	9,886	8,940	4,423
1936	Below Normal	4,284	3,942	3,481	2,091	2,661	4,046	4,637	6,433	8,815	11,758	8,535	4,701
1937	Below Normal	5,177	4,812	3,484	3,251	3,252	3,252	2,779	4,602	8,389	9,519	8,054	3,842
1938	Wet	3,627	2,922	14,555	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	11,002
1939	Dry	4,542	6,108	3,933	3,434	4,345	3,137	8,541	6,990	8,903	11,789	9,197	3,530
1940	Above Normal	3,757	4,667	3,321	2,176	25,264	19,297	3,432	6,580	10,854	13,086	9,241	4,637
1941	Wet	4,926	4,489	6,405	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145
1942	Wet	5,354	8,604	10,067	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,148
1943	Wet	5,240	9,514	2,984	7,665	7,464	11,264	5,051	7,691	10,330	12,727	9,152	12,023
1944	Dry	4,739	8,615	3,899	3,964	2,773	2,093	6,764	5,775	7,591	10,025	7,336	3,116
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	6,104	9,545	11,213	8,827	5,409	5,008
1946	Below Normal	5,283	3,574	19,377	6,831	4,260	4,420	7,129	7,820	10,740	11,539	8,799	4,369
1947	Dry	5,181	4,100	3,632	3,770	3,029	2,971	5,885	9,045	9,334	12,517	8,632	4,788
1948	Below Normal	3,864	3,854	3,924	2,798	3,148	3,066	2,602	9,646	9,094	11,893	8,970	7,014
1949	Dry	6,416	4,476	4,001	3,862	3,069	7,104	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	4,785	4,439	9,360	7,495	3,077
1951	Above Normal	6,363	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,245	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,565	8,314	4,042	26,911	3,195	2,409	4,978	9,929	9,575	11,208	9,576	12,086
1954	Above Normal	3,738	8,900	3,058	9,956	16,981	8,256	9,789	7,431	10,282	13,531	9,432	7,790
1955	Dry	4,998	5,744	3,658	2,466	3,126	3,255	5,983	5,724	8,995	12,585	8,125	3,731
1956	Wet	4,126	3,355	24,919	28,406	20,332	3,269	3,201	10,773	9,560	9,323	8,904	10,724
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,076	3,841	4,172	12,726	2,537	8,218	8,132	11,972	12,221	9,037	1,924
1960	Dry	5,509	4,432	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,895
1961	Dry	4,907	3,803	5,400	3,071	9,119	5,610	5,954	7,039	10,725	13,544	9,822	4,655
1962	Below Normal	5,632	5,538	3,797	3,955	13,507	3,832	6,320	7,690	10,264	11,758	8,304	3,755
1963	Wet	6,733	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,935	8,508	9,149
1964	Dry	4,116	5,374	4,219	3,451	2,140	3,227	9,436	7,558	9,327	10,226	7,871	3,950
1965	Wet	4,029	3,742	16,133	19,879	4,223	4,503	6,116	6,884	10,129	11,676	7,701	11,253
1966	Below Normal	4,882	7,156	3,599	3,815	3,397	10,474	6,253	8,028	13,103	13,585	8,030	4,514
1967	Wet	5,542	3,606	10,304	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,624
1968	Below Normal	5,675	6,708	3,631	3,796	12,939	2,447	6,842	7,268	10,856	12,764	6,629	3,763
1969	Wet	4,143	3,416	4,039	22,168	19,852	5,140	11,360	10,987	10,021	10,436	9,076	10,785
1970	Wet	3,629	5,265	13,043	48,536	12,335	3,481	6,824	7,285	10,107	12,863	8,020	9,932
1971	Wet	6,429	4,568	5,248	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,344	8,210	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,148
1973	Above Normal	4,836	5,090	6,670	13,394	17,113	5,950	4,051	6,302	11,608	13,216	7,050	4,455
1974	Wet	4,455	25,743	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325
1975	Wet	6,616	10,849	3,835	3,872	3,572	22,950	3,882	9,184	10,621	8,993	9,837	9,999
1976	Critical	6,957	8,735	3,461	298	5,299	3,257	5,594	6,646	9,823	11,083	3,665	1,907
1977	Critical	6,119	4,999	4,520	4,144	6,375	4,483	9,943	5,707	12,989	11,929	5,024	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,713	8,589	4,498
1979	Below Normal	6,505	6,484	4,050	4,361	2,869	2,765	3,254	5,354	10,609	10,205	6,196	3,886
1980	Above Normal	4,201	5,546	3,917	17,330	28,377	3,796	4,501	6,840	10,119	10,538	8,533	3,377
1981	Dry	4,572	7,978	3,679	3,337	2,578	2,604	3,643	8,217	14,298	12,563	6,685	3,966
1982	Wet	3,019	7,081	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,677	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,699	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,116	9,739	7,538	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,440	18,882	2,088	7,941	11,492	10,364	8,637	3,580
1987	Dry	3,951	5,978	4,304	3,330	2,838	2,615	7,249	8,787	12,303	11,899	6,907	3,992
1988	Critical	5,917	4,250	2,837	3,147	5,313	3,369	5,326	5,870	11,090	11,560	9,559	3,792
1989	Dry	5,284	2,764	3,384	1,996	3,199	1,903	3,255	8,952	9,075	12,139	7,256	2,636
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,986	8,417	12,190	9,053	2,875
1991	Critical	4,435	3,980	3,251	4,930	3,252	2,971	3,254	6,188	8,050	8,412	5,648	3,554
1992	Critical	4,868	5,344	3,251	3,251	1,955	2,257	3,311	9,861	13,252	12,967	10,414	1,732
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,593	7,352	8,425
1994	Critical	6,194	6,689	3,971	3,051	2,909	3,189	8,070	6,776	10,750	11,966	10,172	2,995
1995	Wet	4,598	4,470	3,225	7,863	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	7,648	2,285	3,226	32,058	8,782	4,171	10,888	9,350	10,361	7,957	10,590
1997	Wet	6,831	8,472	24,150	32,560	4,019	4,479	6,578	9,159	10,133	12,229	6,653	10,921
1998	Wet	6,126	8,518	4,023	8,604	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,460	8,159	10,877
2000	Above Normal	5,277	11,064	3,940	2,621	32,514	6,438	2,878	7,748	11,146	13,556	8,685	6,574
2001	Dry	5,664	8,600	4,125	3,439	2,262	2,292	5,271	8,920	13,488	11,777	6,072	3,449
2002	Dry	5,660	3,485	2,972	8,218	2,981	3,083	6,707	8,266	11,296	10,626	7,285	4,192
2003	Above Normal	5,232	4,663	10,159	13,692	2,901	2,936	9,735	12,870	10,070	13,738	7,542	5,853

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,233
1923	Below Normal	4,916	7,059	3,282	3,048	2,972	3,427	2,992	10,058	10,076	10,696	8,107	3,439
1924	Critical	4,458	4,831	4,175	1,852	2,922	4,085	8,075	8,024	10,047	10,080	7,986	4,847
1925	Dry	3,877	2,869	2,826	0	1,633	2,821	2,539	5,335	8,895	10,323	8,965	5,017
1926	Dry	5,264	4,150	3,485	3,184	1,710	3,073	2,965	6,706	10,766	12,556	8,463	4,370
1927	Wet	4,230	2,802	3,514	3,871	25,138	3,396	9,170	8,633	10,799	11,234	9,256	11,788
1928	Above Normal	4,570	5,899	3,647	3,772	2,128	11,328	3,051	6,823	12,247	14,308	8,944	8,831
1929	Critical	5,071	5,612	3,134	0	2,965	3,212	6,086	6,541	8,465	9,793	10,308	4,140
1930	Dry	4,725	4,102	2,347	3,067	2,581	2,869	5,170	5,861	9,520	10,032	7,011	3,763
1931	Critical	4,346	3,689	3,333	3,023	3,069	3,017	9,119	7,537	8,655	9,996	6,338	3,107
1932	Dry	3,129	2,874	3,373	3,251	3,042	2,745	5,272	4,357	7,206	6,618	6,436	4,138
1933	Critical	4,016	3,462	3,238	3,373	3,251	3,253	5,366	5,241	6,988	6,942	10,959	5,743
1934	Critical	3,648	3,111	3,124	2,964	2,958	3,095	5,794	6,463	8,358	9,766	3,669	2,740
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,020	9,499	9,880	8,936	4,421
1936	Below Normal	4,282	3,939	3,481	2,091	2,661	4,046	4,635	6,432	8,813	11,796	8,535	4,700
1937	Below Normal	5,175	4,810	3,484	3,251	3,252	2,779	4,599	8,386	9,502	8,050	3,840	
1938	Wet	3,627	2,922	14,581	3,530	28,967	32,392	10,694	7,578	9,543	11,386	9,155	10,869
1939	Dry	4,494	6,858	3,771	3,434	4,341	3,137	8,493	6,959	8,770	11,789	8,908	3,667
1940	Above Normal	4,064	4,681	3,321	2,176	24,910	19,297	3,432	6,583	10,859	13,086	9,245	5,083
1941	Wet	4,952	4,518	5,910	22,828	20,463	11,263	11,900	10,937	9,441	9,897	11,329	12,145
1942	Wet	5,326	8,628	10,072	17,061	25,435	4,393	3,700	10,007	8,774	10,118	10,888	12,147
1943	Wet	5,240	9,501	2,984	7,678	7,464	11,264	5,051	7,691	10,322	12,693	9,144	12,136
1944	Dry	4,742	9,017	3,899	3,964	2,773	1,966	6,758	5,767	7,572	9,961	7,282	3,108
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	5,004	5,556	8,999	11,182	8,323	4,934
1946	Below Normal	4,831	4,578	21,222	6,831	4,260	4,420	7,114	7,807	10,726	11,531	8,788	4,363
1947	Dry	5,179	4,098	3,632	3,769	3,029	2,971	5,888	9,048	9,351	12,519	8,637	4,832
1948	Below Normal	3,866	3,854	3,924	2,798	3,147	3,066	2,602	9,642	9,094	11,899	8,970	7,008
1949	Dry	6,411	4,476	4,001	3,862	3,069	7,109	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	4,394	6,446	8,784	9,392	7,496	3,076
1951	Above Normal	6,332	9,040	14,336	6,924	14,556	3,973	6,421	5,423	11,424	13,536	8,736	4,683
1952	Wet	4,244	6,700	9,969	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,588	9,510	2,980	26,795	3,195	2,409	4,978	9,930	9,575	11,209	9,575	12,086
1954	Above Normal	3,738	8,785	3,058	10,067	16,981	8,256	9,789	7,431	10,282	13,531	9,433	7,790
1955	Dry	4,989	5,771	3,658	2,461	3,126	3,255	5,723	8,994	5,723	12,583	8,264	3,678
1956	Wet	4,123	3,355	24,978	28,406	20,332	3,269	3,201	10,773	9,559	9,323	8,905	10,724
1957	Above Normal	5,629	10,433	4,001	3,941	2,170	8,485	5,760	8,549	10,330	13,503	8,612	6,024
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,153	3,841	4,098	12,726	2,537	8,216	8,136	11,974	12,221	9,042	1,926
1960	Dry	5,503	4,434	4,207	3,196	2,649	3,228	6,461	4,867	12,214	13,191	7,661	4,897
1961	Dry	4,906	3,803	5,393	3,071	9,119	5,610	5,955	7,039	10,724	13,544	9,822	4,654
1962	Below Normal	5,632	5,538	3,797	3,954	13,510	3,832	6,320	7,690	10,264	11,758	8,304	3,754
1963	Wet	6,734	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,936	8,508	9,115
1964	Dry	4,133	5,390	4,204	3,456	2,139	3,227	9,437	7,559	9,329	10,227	7,873	3,951
1965	Wet	4,029	3,742	16,134	19,879	4,223	4,503	6,116	6,868	10,109	11,663	7,687	11,247
1966	Below Normal	4,895	7,013	3,599	3,815	3,397	10,666	6,253	8,036	13,112	13,585	8,036	4,457
1967	Wet	5,520	3,606	10,358	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,745
1968	Below Normal	5,559	8,534	3,631	3,796	11,054	2,447	6,847	7,269	10,857	12,764	6,630	3,763
1969	Wet	4,142	3,416	4,039	22,162	19,852	5,140	11,360	10,987	10,021	10,457	9,077	10,762
1970	Wet	3,572	5,278	13,088	48,536	12,335	3,481	6,824	7,286	10,115	12,860	8,020	9,932
1971	Wet	6,435	4,553	5,252	13,470	3,970	16,508	5,477	8,449	9,325	12,065	8,077	9,829
1972	Below Normal	6,346	8,207	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,149
1973	Above Normal	4,835	5,090	6,670	13,394	17,113	5,950	6,302	11,609	13,215	7,050	5,324	
1974	Wet	3,816	25,537	18,915	34,416	4,622	33,288	5,235	6,237	9,745	8,352	11,429	9,325
1975	Wet	6,616	10,741	3,835	3,872	3,572	23,054	3,882	9,184	10,621	8,994	9,836	9,999
1976	Critical	6,956	8,761	3,461	298	5,300	3,257	5,594	6,646	9,797	11,147	3,633	1,907
1977	Critical	6,085	5,009	4,516	4,148	6,376	4,484	9,944	5,708	12,986	11,934	5,012	3,883
1978	Above Normal	3,721	3,999	3,226	76	6,842	12,939	5,817	8,913	11,273	10,715	8,591	4,499
1979	Below Normal	6,502	7,598	3,968	4,211	2,969	2,765	3,254	5,167	10,560	9,991	6,146	4,152
1980	Above Normal	3,897	5,156	3,917	17,330	28,377	3,796	4,607	6,832	10,107	10,523	7,779	4,808
1981	Dry	4,672	6,266	3,679	3,337	2,578	2,604	3,649	8,224	14,298	12,724	6,863	3,907
1982	Wet	3,019	7,646	21,138	6,380	22,607	10,942	24,091	4,088	8,149	8,945	9,675	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,700	13,410	7,444	10,695
1985	Dry	3,074	6,111	5,392	2,718	3,119	3,252	6,021	8,976	11,114	9,740	7,539	4,045
1986	Wet	4,615	5,091	3,860	3,367	40,436	18,882	2,088	7,941	11,492	10,365	8,637	3,507
1987	Dry	3,947	6,392	4,304	3,330	2,838	2,615	7,247	8,776	11,971	11,899	6,959	4,034
1988	Critical	5,979	4,250	2,837	3,147	5,255	3,365	5,360	5,869	11,089	11,514	9,549	3,792
1989	Dry	5,287	2,764	3,384	2,012	3,199	1,903	3,255	8,949	9,074	12,135	7,256	2,632
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,987	8,418	12,192	9,057	2,876
1991	Critical	4,438	3,985	3,251	4,936	3,252	2,971	3,254	6,188	8,050	8,349	5,644	3,554
1992	Critical	4,869	5,349	3,251	3,251	1,955	2,257	3,312	9,871	13,263	12,961	10,417	1,692
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,591	7,354	8,424
1994	Critical	6,194	6,673	3,971	3,051	2,909	3,188	8,071	6,787	10,763	11,963	10,172	2,996
1995	Wet	4,599	4,471	3,225	7,852	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	8,810	2,141	3,050	31,201	8,782	4,171	10,888	9,351	10,361	7,956	10,590
1997	Wet	6,775	8,459	24,219	32,560	4,019	4,479	6,577	9,157	10,131	12,178	6,649	10,999
1998	Wet	6,121	8,517	4,023	8,596	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,461	8,160	10,877
2000	Above Normal	5,348	11,031	3,952	2,569	32,514	6,438	2,878	7,748	11,147	13,556	8,685	6,574
2001	Dry	5,659	8,598	4,166	3,439	2,262	2,292	5,272	8,918	13,490	11,777	6,022	3,449
2002	Dry	5,662	3,485	2,972	8,230	2,981	3,083	6,708	8,267	11,297	10,626	7,286	4,193
2003	Above Normal	5,317	4,668	10,066	13,692	2,901	2,936	9,735	12,870	10,070	13,730	7,542	5,861

Change in Simulated Shasta Reservoir Release to Sacramento River (Node C4)
 Alternative 2 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	14
1923	Below Normal	159	702	0	0	-204	0	0	-528	-561	-41	-423	-520
1924	Critical	-519	-512	-508	1,163	0	9	462	20	202	237	256	-555
1925	Dry	2	0	0	0	0	0	0	8	14	-243	-1	236
1926	Dry	6	2	0	0	0	0	0	534	-222	65	-175	42
1927	Wet	15	0	0	150	634	0	0	0	-1	-1	42	-21
1928	Above Normal	-1	2	0	0	0	-21	0	14	8	-129	29	27
1929	Critical	4	15	0	0	-150	0	-1	0	-1	-5	228	12
1930	Dry	-10	-8	-110	0	0	0	0	1	1	16	9	0
1931	Critical	0	-1	-1	0	0	0	2	0	-4	-64	50	0
1932	Dry	0	0	0	0	0	0	0	-8	-11	16	-3	0
1933	Critical	-4	-4	0	0	0	0	-258	-272	-274	-172	877	-193
1934	Critical	525	8	-163	0	0	0	-3	366	-8	-408	86	-88
1935	Below Normal	0	0	0	0	0	0	0	-4	-5	-6	-5	-2
1936	Below Normal	-2	-3	0	0	0	0	-2	-2	-2	38	1	-2
1937	Below Normal	-2	-2	0	0	0	0	0	-3	-3	-17	-4	-1
1938	Wet	0	0	26	0	0	0	0	0	-1	-1	-1	-134
1939	Dry	-48	750	-162	0	-4	0	-47	-32	-134	0	-289	137
1940	Above Normal	308	14	0	0	-354	0	0	3	5	0	4	446
1941	Wet	26	29	-495	0	0	0	0	0	-1	1	0	0
1942	Wet	-27	24	4	0	0	0	0	0	-1	-1	1	-1
1943	Wet	1	-13	0	13	0	0	0	0	-7	-34	-8	113
1944	Dry	2	402	0	0	0	-126	-6	-8	-20	-64	-54	-8
1945	Below Normal	0	0	0	0	0	0	-503	-548	-546	-32	-505	-475
1946	Below Normal	-452	1,004	1,845	0	0	0	-16	-13	-14	-8	-11	-6
1947	Dry	-2	-2	0	-1	0	0	2	3	17	1	6	45
1948	Below Normal	2	0	0	0	-1	0	0	-5	0	6	0	-6
1949	Dry	-5	0	0	0	0	5	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	-1	-1	33	1	-1
1951	Above Normal	-32	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	-1	0	1	0	0	0	0	0	0	0	0	0
1953	Wet	24	1,195	-1,062	-117	0	0	0	0	0	0	0	0
1954	Above Normal	0	-115	0	111	0	0	0	0	0	0	1	0
1955	Dry	-9	27	0	-5	0	0	0	-1	-2	-3	-10	-53
1956	Wet	-3	0	59	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	1	1	0	0	-2	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	77	0	-75	0	0	-2	4	1	0	5	1
1960	Dry	-6	2	1	0	0	0	-1	0	0	-1	0	3
1961	Dry	-1	0	-7	0	0	0	0	0	0	0	0	-1
1962	Below Normal	0	0	0	-1	3	0	0	0	0	0	0	0
1963	Wet	1	0	0	0	0	0	0	0	0	0	0	-34
1964	Dry	17	16	-15	5	-1	0	2	2	2	2	2	1
1965	Wet	0	0	1	0	0	0	0	-16	-20	-14	-14	-6
1966	Below Normal	14	-143	0	0	0	192	0	8	9	0	6	-57
1967	Wet	-22	0	54	0	0	0	0	0	0	0	0	121
1968	Below Normal	-117	1,826	0	0	-1,885	0	5	2	1	0	0	0
1969	Wet	-2	0	0	-6	0	0	0	0	0	21	1	-23
1970	Wet	-57	13	45	0	0	0	0	0	8	-3	0	0
1971	Wet	6	-15	3	0	0	0	0	0	0	0	0	0
1972	Below Normal	2	-3	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	-1	0	0	0	0	0	0	0	0	-1	0	869
1974	Wet	-639	-206	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	-107	0	0	0	104	0	0	0	0	-1	1
1976	Critical	-1	26	0	0	1	0	0	-1	-26	64	-32	1
1977	Critical	-34	11	-4	4	1	0	1	0	-4	5	-12	0
1978	Above Normal	0	6	0	0	-7	0	0	0	2	2	2	1
1979	Below Normal	-3	1,113	-82	-150	100	0	0	-187	-49	-214	-50	266
1980	Above Normal	-304	-390	0	0	0	0	106	-8	-12	-15	-755	1,431
1981	Dry	100	-1,712	0	0	0	0	5	7	0	162	178	-59
1982	Wet	0	565	0	0	0	0	0	1	1	1	-2	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	1	1	1	1	1	1
1985	Dry	-1	-4	0	0	0	0	1	0	-1	0	1	1
1986	Wet	1	1	0	0	-4	0	0	1	1	1	1	-73
1987	Dry	-4	414	0	0	0	0	-2	-11	-332	0	52	41
1988	Critical	62	1	0	0	-58	-4	34	0	-2	-46	-9	-1
1989	Dry	2	0	0	16	0	0	0	-4	0	-4	0	-5
1990	Critical	0	0	0	0	0	0	1	1	1	2	4	1
1991	Critical	3	4	0	6	0	0	0	0	0	-63	-4	0
1992	Critical	1	5	0	0	0	0	1	10	11	-6	3	-40
1993	Above Normal	0	0	0	0	0	0	0	0	0	-2	2	0
1994	Critical	1	-16	0	0	0	-1	1	11	14	-3	0	1
1995	Wet	1	1	0	-10	0	0	0	0	0	0	0	0
1996	Wet	0	1,162	-144	-176	-857	0	0	0	1	0	-1	0
1997	Wet	-56	-13	69	0	0	0	-2	-2	-3	-51	-4	78
1998	Wet	-5	-1	0	-8	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	1	0	1	0
2000	Above Normal	71	-33	12	-52	0	0	0	0	1	0	-1	1
2001	Dry	-5	-2	42	0	0	0	0	-2	2	0	-50	0
2002	Dry	2	0	0	12	0	0	1	1	1	0	1	1
2003	Above Normal	85	5	-93	0	0	0	0	0	0	-8	0	8

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,619	2,820	3,178	3,315	3,289	2,731	2,250	2,101
1924	Critical	1,988	1,881	1,808	1,861	2,041	2,035	2,001	1,883	1,720	1,240	1,153	1,132
1925	Dry	1,139	1,184	1,245	1,342	1,957	2,225	2,522	2,664	2,485	1,917	1,639	1,341
1926	Dry	1,248	1,251	1,252	1,360	1,860	2,108	2,733	2,647	3,329	1,702	1,370	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,512	1,913
1928	Above Normal	1,720	1,827	1,800	1,974	2,085	2,797	3,233	3,361	3,081	2,456	1,950	1,459
1929	Critical	1,248	1,238	1,231	1,253	1,356	1,485	1,465	1,406	1,289	1,172	1,079	1,051
1930	Dry	1,023	1,015	1,477	1,757	1,913	2,375	2,718	2,866	2,631	2,030	1,753	1,461
1931	Critical	1,390	1,403	1,429	1,562	1,687	1,890	1,789	1,733	1,602	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,384	1,655	1,922	2,260	2,316	1,780	1,446	1,377
1933	Critical	1,276	1,251	1,253	1,336	1,424	1,390	1,459	1,517	1,453	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,292	1,379	1,643	1,634	1,517	1,341	1,232	1,126	1,103
1935	Below Normal	1,071	1,120	1,184	1,376	1,569	1,840	2,855	3,339	3,343	2,747	2,244	1,918
1936	Below Normal	1,816	1,756	1,746	2,258	2,788	2,954	3,353	3,538	3,538	2,964	2,473	2,351
1937	Below Normal	2,115	2,011	1,761	1,803	1,973	2,324	2,707	3,048	2,750	2,178	1,806	1,707
1938	Wet	1,511	1,688	2,584	2,864	2,788	2,788	3,277	3,538	3,538	3,411	3,198	2,771
1939	Dry	2,687	2,711	2,733	2,830	2,916	3,108	3,057	2,924	2,723	2,108	1,682	1,275
1940	Above Normal	1,248	1,230	1,252	1,718	2,707	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,598	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,544
1943	Wet	2,423	2,535	2,848	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,513	1,945
1944	Dry	1,818	1,801	1,567	1,641	1,779	1,998	2,124	2,351	2,176	1,587	1,241	1,178
1945	Below Normal	1,129	1,204	1,333	1,494	2,097	2,389	2,632	2,893	2,898	2,337	1,899	1,735
1946	Below Normal	1,585	1,636	2,283	2,685	2,888	3,063	3,387	3,538	3,441	2,870	2,383	2,155
1947	Dry	1,937	1,955	2,045	2,111	2,387	2,715	2,870	2,773	2,603	1,997	1,623	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,019
1949	Dry	1,917	1,900	1,916	1,969	2,050	2,336	2,615	2,793	2,574	1,986	1,656	1,283
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,706	2,243	2,048
1951	Above Normal	2,074	2,643	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,528	3,109
1953	Wet	2,982	3,002	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,036	2,815	2,306
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,626	1,650	1,743	1,872	1,959	2,097	2,167	2,346	2,249	1,688	1,461	1,261
1956	Wet	1,229	1,208	2,706	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,478
1957	Above Normal	2,410	2,444	2,220	2,330	2,730	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,354	2,862
1959	Below Normal	2,733	2,754	2,558	2,884	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,563
1960	Dry	1,417	1,321	1,304	1,430	2,027	2,591	2,774	2,853	2,638	2,052	1,650	1,258
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,981	2,023	2,175	2,303	2,436	2,539	2,644	2,582	2,000	1,738	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,135
1966	Below Normal	2,050	2,165	2,287	2,467	2,557	2,785	3,091	3,124	2,864	2,247	1,755	1,338
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,959
1968	Below Normal	2,849	2,866	2,800	2,922	2,962	3,036	3,181	3,266	3,036	2,398	1,978	1,680
1969	Wet	1,592	1,652	1,874	2,788	2,788	3,027	3,470	3,538	3,538	3,445	3,347	2,941
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,041	1,666
1971	Wet	1,543	1,740	2,119	2,455	2,718	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,243	2,788
1975	Wet	2,669	2,728	2,799	2,875	2,884	2,833	3,277	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,523	2,631	2,582	2,700	2,831	2,990	2,912	2,799	2,608	2,027	1,737	1,425
1977	Critical	1,248	1,246	1,214	1,195	1,179	1,191	1,079	1,020	803	746	746	754
1978	Above Normal	742	766	971	1,839	2,347	2,944	3,218	3,536	3,538	3,001	2,629	2,286
1979	Below Normal	2,147	2,127	1,879	2,082	2,398	2,766	2,991	3,276	3,021	2,466	2,066	1,971
1980	Above Normal	1,961	2,019	2,142	2,813	2,788	3,028	3,294	3,491	3,464	3,124	3,042	2,990
1981	Dry	2,826	2,800	2,816	2,947	3,075	3,024	3,189	3,175	2,872	2,247	1,882	1,503
1982	Wet	1,516	2,447	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,015	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,431	1,972
1987	Dry	1,861	1,888	1,637	1,653	1,813	2,136	2,157	1,967	1,645	1,241	1,087	1,020
1988	Critical	1,061	1,171	1,468	1,717	1,780	1,866	1,901	1,877	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,127	3,030	2,750	2,154	1,750	1,462
1990	Critical	1,495	1,514	1,457	1,598	1,682	1,946	1,921	1,940	1,862	1,272	1,232	1,160
1991	Critical	1,179	1,217	1,235	1,207	1,222	1,567	1,766	1,897	1,719	1,240	1,185	1,165
1992	Critical	1,169	1,186	1,210	1,247	1,466	1,706	1,846	1,688	1,396	1,234	1,093	967
1993	Above Normal	1,018	1,051	1,221	1,762	2,272	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,331
1996	Wet	3,163	3,054	3,122	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,215	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,203	2,622	2,369	1,817
1998	Wet	1,700	1,770	1,968	2,706	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,552
2000	Above Normal	2,414	2,478	2,266	2,523	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,526	1,591	1,690	1,900	1,966	1,895	1,615	1,240	1,131	1,041
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,506	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Alternative 2 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,117	2,861	2,372
1923	Below Normal	2,270	2,270	2,346	2,598	2,601	2,802	3,160	3,297	3,271	2,714	2,234	2,038
1924	Critical	1,849	1,742	1,534	1,586	1,766	1,759	1,725	1,607	1,443	1,241	1,156	1,135
1925	Dry	1,141	1,186	1,247	1,344	1,959	2,227	2,525	2,666	2,480	1,912	1,640	1,341
1926	Dry	1,261	1,276	1,283	1,421	1,921	2,169	2,794	2,710	2,390	1,782	1,429	1,244
1927	Wet	1,240	1,516	1,502	1,802	2,788	2,999	3,396	3,538	3,538	2,984	2,513	1,914
1928	Above Normal	1,720	1,828	1,801	1,975	2,086	2,797	3,233	3,362	3,080	2,456	1,949	1,457
1929	Critical	1,248	1,237	1,230	1,253	1,355	1,489	1,469	1,410	1,293	1,177	1,085	1,057
1930	Dry	1,029	1,021	1,483	1,763	1,919	2,381	2,723	2,872	2,637	2,036	1,754	1,461
1931	Critical	1,389	1,400	1,426	1,559	1,684	1,887	1,786	1,730	1,599	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,038	1,241	1,384	1,655	1,923	2,261	2,316	1,780	1,350	1,281
1933	Critical	1,248	1,234	1,253	1,313	1,401	1,366	1,436	1,494	1,430	1,240	1,155	1,126
1934	Critical	1,109	1,112	1,106	1,292	1,378	1,648	1,639	1,522	1,347	1,238	1,132	1,109
1935	Below Normal	1,066	1,115	1,178	1,371	1,564	1,835	2,850	3,334	3,338	2,741	2,329	1,913
1936	Below Normal	1,810	1,750	1,739	2,251	2,788	2,954	3,353	3,538	3,538	2,963	2,473	2,349
1937	Below Normal	2,113	2,009	1,759	1,800	1,971	2,322	2,705	3,046	2,710	2,138	1,779	1,681
1938	Wet	1,484	1,662	2,558	2,837	2,788	2,788	3,277	3,538	3,538	3,397	3,187	2,693
1939	Dry	2,609	2,632	2,671	2,767	2,853	3,045	2,995	2,866	2,666	2,051	1,628	1,244
1940	Above Normal	1,238	1,221	1,246	1,711	2,700	2,788	3,238	3,413	3,293	2,677	2,178	2,727
1941	Wet	1,597	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,516
1943	Wet	2,395	2,507	2,820	2,788	2,890	2,937	3,350	3,526	3,538	2,966	2,514	1,947
1944	Dry	1,820	1,803	1,567	1,641	1,780	1,998	2,125	2,352	2,176	1,588	1,241	1,172
1945	Below Normal	1,123	1,198	1,327	1,488	2,091	2,383	2,626	2,887	2,892	2,332	1,864	1,665
1946	Below Normal	1,515	1,602	2,249	2,651	2,846	3,063	3,387	3,538	3,431	2,860	2,373	2,148
1947	Dry	1,931	1,949	2,038	2,104	2,380	2,709	2,864	2,766	2,597	1,990	1,619	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,018
1949	Dry	1,917	1,900	1,915	1,968	2,049	2,336	2,614	2,793	2,574	1,986	1,653	1,280
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,708	2,246	2,051
1951	Above Normal	2,076	2,645	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,529	3,088
1953	Wet	2,963	2,983	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,037	2,815	2,366
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,624	1,648	1,741	1,870	1,957	2,095	2,165	2,345	2,247	1,686	1,459	1,271
1956	Wet	1,239	1,218	2,716	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,476
1957	Above Normal	2,409	2,443	2,218	2,328	2,729	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	3,235	3,538	3,538	3,420	3,353	3,353	2,861
1959	Below Normal	2,733	2,754	2,558	2,883	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,564
1960	Dry	1,420	1,327	1,312	1,438	2,035	2,599	2,782	2,861	2,646	2,060	1,655	1,263
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,982	2,024	2,176	2,304	2,437	2,540	2,645	2,583	2,001	1,739	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,136
1966	Below Normal	2,050	2,165	2,287	2,467	2,558	2,785	3,092	3,125	2,864	2,247	1,755	1,340
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,957
1968	Below Normal	2,846	2,863	2,787	2,922	2,962	3,036	3,181	3,266	3,038	2,400	1,980	1,682
1969	Wet	1,610	1,670	1,893	2,788	2,788	3,027	3,470	3,538	3,538	3,438	3,344	2,944
1970	Wet	2,907	2,985	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,040	1,667
1971	Wet	1,544	1,742	2,120	2,456	3,162	3,433	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,244	2,756
1975	Wet	2,637	2,697	2,767	2,844	2,884	2,833	3,276	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,521	2,629	2,580	2,698	2,829	2,988	2,910	2,797	2,606	2,027	1,737	1,426
1977	Critical	1,248	1,247	1,215	1,196	1,180	1,193	1,081	1,021	805	748	747	755
1978	Above Normal	743	768	973	1,840	2,349	2,944	3,218	3,536	3,538	3,001	2,628	2,284
1979	Below Normal	2,147	2,126	1,877	2,080	2,395	2,763	2,988	3,273	3,020	2,465	2,065	1,907
1980	Above Normal	1,821	1,878	2,001	2,813	2,788	3,028	3,295	3,492	3,465	3,204	3,123	2,905
1981	Dry	2,743	2,718	2,740	2,887	3,075	3,024	3,189	3,175	2,872	2,247	1,881	1,505
1982	Wet	1,508	2,439	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,220
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,592	2,014	1,741	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,354	1,962
1987	Dry	1,851	1,878	1,627	1,642	1,802	2,125	2,146	1,957	1,634	1,241	1,087	1,020
1988	Critical	1,061	1,172	1,468	1,718	1,780	1,866	1,901	1,878	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,128	3,030	2,750	2,154	1,757	1,468
1990	Critical	1,500	1,519	1,460	1,601	1,685	1,948	1,924	1,943	1,865	1,275	1,235	1,163
1991	Critical	1,182	1,219	1,238	1,209	1,225	1,569	1,768	1,900	1,721	1,240	1,187	1,167
1992	Critical	1,172	1,189	1,212	1,250	1,469	1,709	1,849	1,690	1,399	1,236	1,096	970
1993	Above Normal	1,020	1,054	1,224	1,765	2,275	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,330
1996	Wet	3,163	3,055	3,122	2,788	2,788	2,995	3,252	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,216	2,318	2,788	2,788	2,952	3,123	3,304	3,344	3,212	2,628	2,375	1,821
1998	Wet	1,704	1,775	1,972	2,711	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,560
2000	Above Normal	2,422	2,486	2,274	2,531	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,539	1,605	1,703	1,914	1,980	1,909	1,628	1,240	1,131	1,040
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,511	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated Oroville Reservoir Release to Feather River (Node C6)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,300	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,314	1,614	2,572	3,480	3,737	10,799	9,331	3,801
1924	Critical	2,814	2,535	2,011	1,594	1,595	2,468	3,408	3,997	4,672	9,071	2,824	1,421
1925	Dry	849	842	845	1,416	756	647	2,029	2,863	6,057	10,892	6,215	6,405
1926	Dry	2,495	1,276	1,766	1,202	707	1,445	1,523	5,444	7,648	11,808	6,958	3,396
1927	Wet	1,023	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	10,994	10,138	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,170	2,589	3,546	7,588	12,519	10,017	9,502
1929	Critical	4,304	1,301	1,642	2,062	1,783	1,709	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,948	11,365	6,082	6,157
1931	Critical	2,053	1,092	841	793	798	682	4,853	3,485	4,291	7,166	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	7,041	2,459
1933	Critical	2,535	1,406	1,190	1,081	813	4,623	3,618	4,142	5,055	5,122	2,794	1,530
1934	Critical	1,087	870	2,667	1,397	3,551	765	4,062	4,593	5,040	3,102	3,087	1,400
1935	Below Normal	1,294	839	812	1,400	824	665	1,789	3,432	4,939	11,416	9,796	6,661
1936	Below Normal	2,592	2,071	1,644	1,500	5,741	5,375	2,603	3,318	4,101	10,931	9,540	3,392
1937	Below Normal	4,684	2,648	5,237	1,621	1,523	1,546	2,690	3,624	9,354	10,901	7,691	2,855
1938	Wet	4,142	1,601	1,540	1,522	13,275	19,226	14,276	19,855	11,317	6,286	6,514	9,859
1939	Dry	4,139	2,566	2,878	1,614	1,621	1,596	5,521	5,032	5,581	11,448	8,327	7,943
1940	Above Normal	1,286	1,200	1,187	1,651	1,006	19,615	5,524	3,154	5,599	12,718	10,461	10,011
1941	Wet	3,944	2,495	1,526	1,516	15,064	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,926	5,590	11,502
1943	Wet	4,577	2,422	1,538	16,676	7,325	15,925	5,252	3,425	4,820	12,358	9,890	11,928
1944	Dry	4,581	2,694	5,419	2,012	1,979	1,962	3,680	3,664	6,761	11,285	7,384	2,416
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,080	11,239	9,502	3,715
1946	Below Normal	4,074	2,204	1,534	1,525	1,552	3,468	3,262	4,250	5,204	11,881	10,122	5,293
1947	Dry	4,569	2,503	1,534	1,607	1,509	1,527	2,856	4,590	5,621	11,395	7,661	7,418
1948	Below Normal	1,725	1,447	1,357	1,543	1,234	864	1,423	2,620	3,852	11,792	9,858	2,860
1949	Dry	2,629	1,708	1,561	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,942	7,420
1950	Below Normal	1,356	980	1,164	1,351	705	619	2,844	3,350	3,825	11,598	9,804	5,097
1951	Above Normal	2,069	1,560	12,245	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,346	9,625
1953	Wet	4,637	2,556	6,321	20,841	1,529	6,079	6,072	5,485	8,275	12,284	6,545	11,126
1954	Above Normal	4,331	2,493	5,708	2,778	1,517	6,612	7,182	3,421	7,667	12,724	9,990	9,910
1955	Dry	4,148	1,675	1,526	1,540	1,608	1,594	3,572	3,550	4,936	10,817	5,337	4,737
1956	Wet	1,403	1,685	2,172	19,481	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,879
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,868	3,131	3,156	4,110	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,182	4,082	10,841
1959	Below Normal	4,699	2,636	6,481	1,462	7,663	2,117	4,258	3,598	6,803	12,349	9,768	5,397
1960	Dry	3,269	2,569	1,614	1,092	969	777	3,602	3,575	6,566	11,326	8,047	7,880
1961	Dry	1,132	1,698	1,400	1,077	963	889	2,999	3,599	5,141	11,642	5,525	1,757
1962	Below Normal	1,427	885	1,373	853	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,618	16,187	8,109	13,695	5,499	5,266	12,671	9,453	11,639
1964	Dry	4,029	2,002	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,803	8,155
1965	Wet	2,140	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,084	7,630	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,060	6,344	12,386	9,934	8,130
1967	Wet	2,319	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,608	11,496
1968	Below Normal	4,643	2,424	4,192	2,385	11,573	6,449	3,904	3,657	6,671	12,693	9,284	7,179
1969	Wet	3,320	1,577	1,524	9,511	12,367	6,318	9,203	15,400	6,407	4,368	4,460	9,940
1970	Wet	4,012	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,982	11,988	9,654	8,698
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,367	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,891	2,347	1,501	1,492	1,495	2,001	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,310	7,077
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,104	3,203	10,153
1975	Wet	4,078	2,404	1,578	1,626	7,873	12,729	2,610	10,960	8,991	10,775	3,012	11,268
1976	Critical	2,724	2,391	4,606	1,482	1,597	1,645	3,672	3,724	4,085	9,861	5,367	6,692
1977	Critical	3,691	1,106	1,213	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,391	6,175	3,629	4,679	10,476	8,726	8,535
1979	Below Normal	4,689	2,454	6,143	1,175	1,062	885	2,487	3,657	7,057	11,264	8,572	3,126
1980	Above Normal	2,713	1,760	1,675	9,616	17,951	5,136	2,897	3,344	3,613	7,885	2,988	2,663
1981	Dry	4,684	2,602	3,375	1,863	3,516	6,762	2,604	3,470	7,208	11,308	7,144	8,226
1982	Wet	2,105	1,069	13,343	8,118	17,776	13,215	20,114	10,721	6,684	6,400	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,676
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,580	5,775
1986	Wet	4,527	2,485	1,513	1,452	20,984	22,561	2,634	3,547	4,475	11,339	5,359	11,230
1987	Dry	4,742	2,480	5,738	1,652	1,578	1,490	2,812	4,659	6,014	6,887	2,878	2,638
1988	Critical	1,433	990	1,617	956	1,154	1,480	2,045	2,636	4,118	8,248	2,365	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,261	6,251
1990	Critical	1,952	2,439	3,292	668	664	574	3,757	2,256	3,614	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,292	883	1,255	1,689	2,055	4,768	9,334	2,599	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,420	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,509	4,954	9,632	6,981	11,930	9,925	10,217
1994	Critical	4,322	2,359	3,741	1,066	982	785	3,525	3,046	4,008	10,737	3,773	2,942
1995	Wet	2,129	1,100	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,263
1996	Wet	5,228	4,525	3,915	11,720	20,967	9,934	7,963	11,925	5,528	11,470	5,717	11,296
1997	Wet	4,183	2,528	14,828	40,731	10,066	5,233	3,529	3,385	4,834	11,284	6,299	11,027
1998	Wet	4,436	2,574	2,054	1,449	16,957	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,148	2,927	3,390	4,206	11,176	4,779	7,182
2000	Above Normal	4,420	2,412	6,319	1,538	8,638	9,179	2,368	3,684	6,517	12,832	9,661	9,422
2001	Dry	3,933	2,457	6,286	1,587	1,556	1,462	2,788	4,622	6,102	7,452	2,973	2,552
2002	Dry	2,637	1,230	1,653	996	1,078	776	3,327	2,837	4,105	10,616	3,385	6,422
2003	Above Normal	2,325	1,853	2,124	1,455	1,457	1,477	2,012	6,847	4,988	12,672	9,298	10,125

Simulated Oroville Reservoir Release to Feather River (Node C6)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,521	2,614	4,626	3,494	18,978	9,293	10,329	6,827	10,578
1923	Below Normal	4,191	2,568	3,836	1,522	3,489	1,617	2,574	3,482	3,739	10,778	9,317	4,592
1924	Critical	4,043	2,553	4,197	1,596	1,598	2,482	3,414	4,003	4,685	4,578	2,782	1,428
1925	Dry	854	846	849	1,419	759	641	2,025	2,857	6,178	10,885	6,140	6,412
1926	Dry	2,285	1,077	1,668	702	708	1,448	1,524	5,420	7,673	11,495	7,297	4,389
1927	Wet	1,027	1,566	4,107	706	2,648	6,935	6,543	6,337	4,734	11,992	10,131	11,692
1928	Above Normal	4,149	2,544	3,027	1,505	4,239	8,187	2,587	3,543	7,599	12,514	10,032	9,519
1929	Critical	4,270	1,322	1,640	2,043	1,805	1,621	4,366	5,563	4,912	3,473	2,902	1,532
1930	Dry	1,234	855	4,518	700	3,819	620	2,239	3,101	6,948	11,365	6,170	6,158
1931	Critical	2,074	1,116	849	794	798	682	4,853	3,486	4,290	7,118	3,368	1,510
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,289	8,607	2,459
1933	Critical	1,439	1,225	906	1,460	813	4,624	3,619	4,143	5,046	4,748	2,798	1,534
1934	Critical	1,090	873	2,668	1,397	3,551	673	4,060	4,590	5,035	3,098	3,083	1,397
1935	Below Normal	1,482	837	811	1,400	824	665	1,789	3,433	4,940	11,416	9,796	6,660
1936	Below Normal	2,603	2,080	1,644	1,500	5,628	5,375	2,603	3,318	4,101	10,940	9,540	3,419
1937	Below Normal	4,684	2,648	5,236	1,621	1,522	1,546	2,690	3,624	9,999	10,901	7,468	2,855
1938	Wet	4,142	1,601	1,540	1,521	12,799	19,226	14,276	19,855	11,317	6,518	6,461	10,993
1939	Dry	4,139	2,566	2,624	1,613	1,620	1,594	5,521	4,962	5,569	11,434	8,288	7,569
1940	Above Normal	929	1,201	1,138	1,651	1,006	19,507	5,524	3,154	5,599	12,718	10,461	10,012
1941	Wet	3,948	2,495	1,526	1,516	15,058	11,296	4,633	10,666	6,264	9,456	4,480	12,017
1942	Wet	4,156	2,531	7,645	14,192	17,466	2,630	11,198	7,824	9,163	8,924	5,586	11,979
1943	Wet	4,575	2,421	1,537	16,224	7,325	15,925	5,252	3,424	4,821	12,344	9,887	11,925
1944	Dry	4,578	2,695	5,429	2,015	1,981	1,965	3,680	3,664	6,759	11,282	7,393	2,516
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,079	11,229	9,501	4,813
1946	Below Normal	4,074	1,596	1,534	1,525	1,699	2,779	3,263	4,250	5,382	11,878	10,120	5,230
1947	Dry	4,570	2,504	1,534	1,606	1,509	1,527	2,856	4,590	5,622	11,397	7,632	7,337
1948	Below Normal	1,725	1,447	1,357	1,543	1,232	864	1,423	2,620	3,852	11,792	9,860	2,862
1949	Dry	2,633	1,711	1,562	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,977	7,420
1950	Below Normal	1,312	980	1,164	1,351	705	619	2,844	3,350	3,825	11,559	9,804	5,097
1951	Above Normal	2,068	1,560	12,284	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,333	9,996
1953	Wet	4,615	2,540	6,013	20,841	1,529	6,079	6,072	5,485	8,275	12,282	6,545	11,124
1954	Above Normal	4,333	2,494	5,706	2,778	1,517	6,615	7,182	3,421	7,668	12,724	9,991	9,911
1955	Dry	4,175	1,675	1,526	1,539	1,608	1,593	3,572	3,550	4,935	10,816	5,356	4,542
1956	Wet	1,403	1,685	2,172	19,644	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,908
1957	Above Normal	4,165	2,606	6,806	1,592	3,695	4,840	3,131	3,156	4,111	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,184	4,082	10,844
1959	Below Normal	4,699	2,636	6,483	1,462	7,657	2,117	4,258	3,597	6,804	12,352	9,767	5,367
1960	Dry	3,252	2,506	1,592	1,092	969	777	3,603	3,575	6,565	11,325	8,091	7,882
1961	Dry	1,214	1,698	1,401	1,077	963	888	2,999	3,599	5,141	11,642	5,524	1,757
1962	Below Normal	1,427	886	1,372	854	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,617	16,187	8,109	13,695	5,499	5,267	12,735	9,453	11,639
1964	Dry	4,029	1,984	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,807	8,156
1965	Wet	2,152	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,080	7,632	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,061	6,347	12,386	9,934	8,105
1967	Wet	2,342	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,607	11,535
1968	Below Normal	4,642	2,424	4,366	2,175	1,583	6,449	3,904	3,656	6,633	11,573	9,287	7,178
1969	Wet	3,059	1,576	1,523	9,810	12,367	6,318	9,203	15,400	6,407	4,486	4,383	9,839
1970	Wet	4,195	2,452	13,342	35,711	10,502	3,980	3,503	3,526	4,985	11,986	9,654	8,676
1971	Wet	4,239	2,729	2,142	2,122	2,104	6,387	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,888	2,347	1,501	1,492	1,495	2,004	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	9,710	7,076
1974	Wet	3,948	1,576	8,005	20,369	5,602	26,162	9,959	8,485	7,265	9,101	3,199	10,694
1975	Wet	4,072	2,400	1,577	1,626	7,311	12,729	2,610	10,960	8,991	10,776	3,013	11,269
1976	Critical	2,752	2,392	4,609	1,482	1,597	1,645	3,672	3,724	4,085	9,828	5,363	6,690
1977	Critical	3,698	1,083	1,212	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,413	6,175	3,627	4,681	10,483	8,732	8,542
1979	Below Normal	4,683	2,450	6,175	1,174	1,062	885	2,487	3,656	7,042	11,248	8,570	4,186
1980	Above Normal	3,970	1,758	1,675	7,324	17,951	5,136	2,891	3,337	3,604	6,607	2,976	5,441
1981	Dry	4,665	2,589	3,267	1,587	2,444	6,762	2,605	3,472	7,212	11,312	7,151	8,175
1982	Wet	2,265	1,071	13,213	8,118	17,776	13,215	20,114	10,721	6,684	6,401	3,307	5,393
1983	Wet	4,727	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,678
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,579	5,774
1986	Wet	4,527	2,484	1,515	1,452	20,984	22,560	2,634	3,547	4,475	11,339	6,614	10,106
1987	Dry	4,742	2,480	5,750	1,652	1,578	1,490	2,812	4,658	6,011	6,717	2,877	2,635
1988	Critical	1,431	988	1,616	956	1,154	1,480	2,045	2,635	4,118	8,256	2,364	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,157	6,249
1990	Critical	1,975	2,439	3,330	668	664	574	3,758	2,256	3,615	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,294	883	1,255	1,689	2,055	4,767	9,377	2,217	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,603	3,417	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,553	4,954	9,632	6,981	11,929	9,925	10,217
1994	Critical	4,322	2,359	3,742	1,066	982	785	3,525	3,046	4,008	10,736	3,773	2,942
1995	Wet	2,129	1,101	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,494	5,266
1996	Wet	5,225	4,522	3,912	11,726	20,967	9,934	7,963	11,925	5,528	11,469	5,714	11,295
1997	Wet	4,179	2,525	14,840	40,731	10,066	5,233	3,529	3,385	4,684	11,331	6,299	11,055
1998	Wet	4,436	2,574	2,054	1,449	17,033	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,149	2,927	3,390	4,206	11,176	4,780	7,042
2000	Above Normal	4,421	2,412	6,319	1,538	8,781	9,179	2,367	3,685	6,518	12,831	9,662	9,423
2001	Dry	3,932	2,456	6,070	1,587	1,556	1,462	2,788	4,622	6,104	7,665	2,974	2,552
2002	Dry	2,637	1,230	1,654	996	1,078	776	3,326	2,836	4,105	10,616	3,309	6,506
2003	Above Normal	2,326	1,845	2,123	1,456	1,457	1,477	2,012	6,847	4,988	12,673	9,298	10,125

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	562	518	575	575	494	554	800	975	975	802	789	650
1924	Critical	576	515	448	387	393	376	371	366	347	327	308	295
1925	Dry	305	334	388	403	556	652	800	975	915	715	618	612
1926	Dry	602	567	533	489	575	634	800	779	628	475	389	387
1927	Wet	361	495	574	575	559	656	800	975	975	806	797	595
1928	Above Normal	577	492	512	518	546	644	800	953	832	563	496	426
1929	Critical	384	349	316	275	300	351	415	465	461	400	346	314
1930	Dry	300	280	415	493	557	669	770	793	701	484	443	447
1931	Critical	412	386	331	305	300	341	342	356	359	322	275	199
1932	Dry	154	161	293	405	575	671	793	975	975	906	770	650
1933	Critical	604	518	458	415	388	431	487	584	566	397	329	300
1934	Critical	263	229	317	422	519	624	596	483	295	273	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	936	789	605
1939	Dry	601	553	509	469	457	582	636	621	556	413	348	354
1940	Above Normal	344	324	316	571	555	634	800	975	975	760	720	518
1941	Wet	490	379	550	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	795	793	592
1944	Dry	505	409	357	329	393	520	583	690	656	510	434	401
1945	Below Normal	371	439	494	497	563	667	800	975	975	782	764	557
1946	Below Normal	546	571	575	571	563	659	800	975	975	764	699	564
1947	Dry	529	544	543	495	564	672	751	767	652	496	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	588	569
1950	Below Normal	533	484	426	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	653	517	553	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	539	523	552	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	510	520	581	703	708	615	529	508
1956	Wet	473	430	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	502	440	493	575	654	737	757	720	447	398	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	497	560	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	568	575	559	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	515	518	512	534	541	638	800	838	796	536	503	489
1967	Wet	448	466	575	570	555	646	800	975	975	950	800	636
1968	Below Normal	637	549	540	569	547	649	712	735	690	428	422	410
1969	Wet	378	412	479	543	522	647	800	975	975	876	766	600
1970	Wet	607	570	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	595
1974	Wet	597	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	500	483	482	575	673	800	975	975	938	800	640
1976	Critical	680	531	498	442	417	442	456	482	464	432	407	386
1977	Critical	378	356	313	281	250	245	233	236	214	177	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	536	487	559	575	668	800	975	908	712	692	611
1980	Above Normal	609	575	575	459	426	627	800	975	975	950	752	603
1981	Dry	550	467	426	425	433	576	667	693	654	497	431	424
1982	Wet	417	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	619	490
1987	Dry	489	437	380	341	375	492	552	536	469	287	243	261
1988	Critical	260	263	340	447	442	473	512	512	470	402	350	336
1989	Dry	328	402	453	481	529	631	800	833	645	480	417	399
1990	Critical	404	391	349	356	374	469	530	532	503	422	390	368
1991	Critical	317	271	218	157	116	309	451	583	612	484	290	232
1992	Critical	241	244	250	238	409	561	589	520	421	113	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	474	410	414	428	458	483	502	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	519	575	562	478	628	800	975	975	879	800	622
1997	Wet	555	501	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	585	484	432	571	538	644	800	975	940	683	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	477	410	415
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	600
2003	Above Normal	501	488	575	563	539	621	800	975	975	754	737	600

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Alternative 2 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	559	505	575	575	492	552	800	975	975	802	772	650
1924	Critical	530	470	402	342	348	331	326	322	313	305	299	294
1925	Dry	304	334	387	402	556	652	800	975	922	722	623	623
1926	Dry	612	575	541	497	575	634	800	809	640	488	398	396
1927	Wet	370	501	575	575	559	656	800	975	975	806	795	593
1928	Above Normal	574	492	512	517	546	644	800	953	831	562	497	427
1929	Critical	385	350	317	276	300	352	415	466	461	401	346	315
1930	Dry	300	280	414	492	557	669	770	793	701	485	449	452
1931	Critical	417	391	336	311	305	347	348	361	365	324	281	205
1932	Dry	160	167	299	411	575	671	793	975	975	906	770	650
1933	Critical	577	451	391	348	321	363	405	502	470	290	278	247
1934	Critical	235	200	301	411	508	613	584	472	283	262	132	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	950	800	607
1939	Dry	603	544	501	461	449	573	627	609	546	405	347	353
1940	Above Normal	343	324	316	571	555	634	800	975	975	760	701	499
1941	Wet	471	369	540	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	796	793	593
1944	Dry	511	402	351	322	386	513	576	683	649	506	431	399
1945	Below Normal	369	437	493	497	563	667	800	975	975	782	733	566
1946	Below Normal	557	575	575	571	563	659	800	975	975	764	698	560
1947	Dry	529	545	543	496	564	672	751	767	653	497	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	590	571
1950	Below Normal	535	487	428	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	650	499	535	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	541	525	554	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	509	520	581	703	708	615	529	509
1956	Wet	474	431	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	501	439	492	575	654	737	757	720	446	397	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	496	559	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	569	575	560	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	516	521	515	537	544	641	800	838	796	534	502	488
1967	Wet	447	465	575	570	555	646	800	975	975	950	800	634
1968	Below Normal	636	522	517	546	547	649	712	735	690	426	419	407
1969	Wet	375	410	478	543	522	647	800	975	975	875	764	600
1970	Wet	607	571	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	581
1974	Wet	582	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	502	485	483	575	673	800	975	975	938	800	640
1976	Critical	680	530	497	442	417	441	456	482	463	431	407	385
1977	Critical	377	356	313	281	249	244	233	235	214	176	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	604	519	470	542	575	668	800	975	907	701	682	601
1980	Above Normal	599	575	575	459	426	627	800	975	975	873	675	560
1981	Dry	536	480	440	439	446	589	680	707	668	510	439	434
1982	Wet	426	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	624	492
1987	Dry	490	438	381	341	375	492	552	535	469	290	246	264
1988	Critical	263	266	343	450	442	472	511	511	469	401	349	336
1989	Dry	328	402	453	481	530	631	800	833	645	480	416	398
1990	Critical	404	390	349	355	374	468	529	531	503	421	389	368
1991	Critical	317	271	218	158	116	309	452	583	612	485	288	230
1992	Critical	239	242	248	236	406	558	586	519	420	112	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	878	800	648
1994	Critical	641	511	475	410	415	428	458	483	503	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	503	575	562	478	628	800	975	975	879	800	622
1997	Wet	556	502	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	584	483	432	571	538	644	800	975	940	684	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	478	410	416
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	593
2003	Above Normal	500	486	575	563	539	621	800	975	975	754	737	600

Simulated Folsom Reservoir Release to American River (Node C8)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,782	2,655	5,866	4,511	4,484	1,875	3,093	4,510	2,907	5,062	1,808	4,041
1924	Critical	2,500	1,957	2,025	1,725	1,473	832	843	847	825	831	827	782
1925	Dry	870	825	822	820	6,205	2,147	4,783	4,490	3,872	5,063	3,168	1,681
1926	Dry	1,535	1,957	2,024	1,724	2,907	1,065	3,158	1,726	3,120	3,079	2,168	1,085
1927	Wet	1,534	1,592	1,610	3,567	13,419	4,633	7,644	4,714	5,387	4,760	1,807	5,051
1928	Above Normal	1,698	4,069	2,024	1,772	1,762	12,186	4,785	1,796	2,993	5,062	2,521	2,537
1929	Critical	1,535	1,676	1,775	1,509	1,295	1,316	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,107	1,132	1,167	1,123	1,128	2,638	1,790	1,796	2,872	4,473	2,282	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,290	1,063	1,074	1,077	1,112	1,357	1,229	1,901
1932	Dry	1,600	925	773	845	2,424	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,918	2,540	2,025	1,723	1,472	1,489	1,590	1,490	3,171	3,691	2,700	1,549
1934	Critical	1,723	1,718	1,035	872	809	826	2,078	2,566	3,728	860	2,184	1,622
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,909	1,956	2,025	5,123	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,515	2,778
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,668	4,266	4,869
1939	Dry	1,534	2,299	2,025	1,724	1,466	860	1,633	1,466	1,768	2,887	1,318	921
1940	Above Normal	1,355	1,352	1,345	3,086	10,582	10,509	6,190	3,157	1,962	5,062	2,262	5,051
1941	Wet	1,719	3,324	2,016	5,318	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,785	3,118	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,020	3,277	10,807	7,305	11,938	5,195	2,549	3,074	5,062	1,808	5,052
1944	Dry	2,732	2,760	2,025	1,725	1,450	1,441	1,481	1,492	2,322	3,709	2,944	1,974
1945	Below Normal	1,535	1,645	1,688	1,691	7,817	2,034	3,461	2,758	2,211	5,063	1,891	5,052
1946	Below Normal	1,891	2,762	8,731	5,147	2,574	3,053	3,589	3,637	2,039	5,062	2,687	3,928
1947	Dry	1,897	1,957	2,024	1,725	1,468	2,240	1,452	1,461	3,024	3,229	2,407	1,771
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,399	3,115	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,514	1,889
1950	Below Normal	1,535	1,957	2,025	2,632	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,567	3,900	2,020	6,815	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,034	2,025	1,722	3,014	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,500	1,776	1,786	1,794	1,806	2,725	3,065	1,726
1956	Wet	1,535	1,924	16,422	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,741	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,620	2,025	1,719	1,796	1,040	1,054	1,059	1,501	4,974	1,219	1,108
1960	Dry	1,536	1,605	1,677	1,429	1,240	3,364	1,949	1,778	1,807	1,866	2,844	1,847
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,164
1962	Below Normal	948	948	980	788	2,792	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,666	1,808	5,052
1964	Dry	1,913	3,674	2,280	2,356	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,887	2,204	2,017	1,762	1,762	1,176	1,362	1,194	1,220	4,658	1,611	1,216
1967	Wet	1,536	1,840	3,051	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,716
1968	Below Normal	1,536	3,583	2,090	1,717	6,808	2,047	1,505	1,513	1,544	4,711	1,545	1,540
1969	Wet	1,535	1,703	1,751	14,934	9,269	3,489	6,485	9,173	6,663	4,110	3,542	4,537
1970	Wet	1,535	2,297	5,558	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,189	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	3,226	4,305	3,115	4,663	1,807	3,486
1974	Wet	1,534	7,094	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,701	2,024	1,722	2,543	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,622	2,025	1,725	1,473	881	889	895	958	1,169	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,464	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,585	2,025	1,706	3,276	3,419	1,844	4,293	2,716	4,574	1,807	2,883
1980	Above Normal	1,534	2,436	2,268	17,695	13,166	3,708	2,961	2,964	3,261	2,993	5,057	4,148
1981	Dry	2,194	2,857	2,024	1,757	1,771	960	995	1,002	1,154	3,051	1,620	1,085
1982	Wet	1,534	5,331	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,234	4,115
1987	Dry	1,536	1,931	1,998	1,699	1,443	815	843	1,229	1,555	3,236	853	848
1988	Critical	833	909	841	794	1,340	910	816	840	1,279	1,188	858	851
1989	Dry	923	917	904	909	821	9,424	4,025	3,525	4,686	3,575	2,524	2,133
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,891	1,645	1,384
1991	Critical	1,454	1,411	1,442	1,231	1,041	1,020	1,062	1,070	1,804	3,550	4,402	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,630	1,902	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,816	2,684	4,072
1994	Critical	1,536	3,679	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,888	1,469	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,671	2,427	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,558	3,788	13,200	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,068	2,643	4,937
2000	Above Normal	1,769	3,224	2,025	2,507	11,529	4,098	2,474	2,209	2,028	5,062	1,926	2,637
2001	Dry	1,616	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,123	1,309	1,065
2002	Dry	1,170	829	1,316	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,608
2003	Above Normal	2,343	1,955	2,274	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Folsom Reservoir Release to American River (Node C8)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,831	2,824	5,654	4,511	4,524	1,875	3,060	4,512	2,910	5,062	2,092	3,756
1924	Critical	3,243	1,957	2,025	1,725	1,473	832	843	847	646	652	610	640
1925	Dry	870	825	822	820	6,191	2,147	4,783	4,489	3,744	5,063	3,200	1,588
1926	Dry	1,535	2,001	2,024	1,724	3,051	1,068	3,152	1,245	3,404	3,064	2,230	1,074
1927	Wet	1,534	1,636	1,690	3,587	13,418	4,633	7,644	4,714	5,387	4,759	1,830	5,051
1928	Above Normal	1,722	4,028	2,024	1,772	1,762	12,181	4,784	1,796	2,997	5,062	2,505	2,529
1929	Critical	1,535	1,676	1,775	1,509	1,308	1,305	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,119	1,129	1,172	1,128	1,132	2,627	1,790	1,796	2,871	4,470	2,195	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,291	1,060	1,072	1,075	1,112	1,420	1,158	1,900
1932	Dry	1,599	924	773	845	2,529	2,217	1,790	3,466	5,007	3,455	3,841	3,547
1933	Critical	2,362	3,222	2,025	1,723	1,472	1,489	1,841	1,490	3,428	3,879	1,806	1,583
1934	Critical	1,321	1,734	820	809	809	826	2,079	2,568	3,728	860	2,185	1,438
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,904	1,956	2,025	5,127	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,512	2,781
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,437	4,318	5,018
1939	Dry	1,534	2,474	2,025	1,724	1,466	863	1,645	1,503	1,745	2,850	1,214	923
1940	Above Normal	1,346	1,344	1,337	3,090	10,582	10,509	6,190	3,157	1,962	5,062	2,577	5,051
1941	Wet	1,725	3,169	2,016	5,151	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,777	3,125	4,288	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,017	3,281	10,807	7,305	11,938	5,195	2,549	3,074	5,054	1,808	5,052
1944	Dry	2,644	2,976	2,025	1,725	1,450	1,441	1,481	1,492	2,324	3,672	2,914	1,966
1945	Below Normal	1,535	1,634	1,673	1,676	7,821	2,034	3,463	2,760	2,603	2,393	2,393	4,403
1946	Below Normal	1,848	2,872	8,802	5,148	2,575	3,053	3,589	3,637	2,039	5,062	2,691	3,992
1947	Dry	1,822	1,957	2,024	1,725	1,468	2,250	1,452	1,461	3,010	3,232	2,410	1,779
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,402	3,110	3,110	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,478	1,889
1950	Below Normal	1,535	1,957	2,025	2,667	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,624	4,146	2,020	6,521	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,006	2,025	1,722	3,045	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,501	1,776	1,786	1,794	1,806	2,726	3,063	1,710
1956	Wet	1,535	1,929	16,433	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,748
1957	Above Normal	1,575	3,742	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,639	2,025	1,719	1,775	1,040	1,054	1,059	1,502	4,986	1,213	1,108
1960	Dry	1,536	1,603	1,674	1,427	1,238	3,366	1,951	1,778	1,807	1,867	2,844	1,848
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,162
1962	Below Normal	950	948	980	788	2,790	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,566	1,808	5,052
1964	Dry	1,908	3,678	2,277	2,359	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,979	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,871	2,170	2,017	1,762	1,762	1,175	1,412	1,193	1,220	4,684	1,601	1,216
1967	Wet	1,536	1,836	3,040	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,747
1968	Below Normal	1,536	4,010	2,024	1,717	6,408	2,047	1,505	1,513	1,544	1,544	1,545	1,545
1969	Wet	1,535	1,691	1,734	14,921	9,269	3,489	6,485	9,173	6,663	4,118	3,563	4,507
1970	Wet	1,535	2,282	5,573	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	4,017	2,479	3,594	5,040	3,842	3,221	4,381	4,381
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,190	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	2,326	4,305	3,115	4,663	1,807	3,734
1974	Wet	1,534	6,847	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,674	2,024	1,722	2,572	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,628	2,025	1,725	1,473	881	890	895	956	1,171	956	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,457	446
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,987	1,808	4,021
1979	Below Normal	1,716	2,857	2,025	1,706	2,977	3,419	1,847	4,296	2,727	4,747	1,807	2,884
1980	Above Normal	1,534	2,263	2,270	17,696	13,168	3,708	2,961	2,964	3,261	4,255	5,057	3,588
1981	Dry	1,717	2,400	2,024	1,757	1,771	955	990	997	1,162	3,060	1,701	1,048
1982	Wet	1,534	5,492	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,902	3,300	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,138	4,193
1987	Dry	1,536	1,937	2,004	1,704	1,447	815	843	1,238	1,550	3,184	853	848
1988	Critical	833	909	841	794	1,399	912	816	840	1,279	1,184	858	851
1989	Dry	921	915	902	907	821	9,428	4,025	3,529	4,686	3,578	2,523	2,135
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,890	1,644	1,384
1991	Critical	1,452	1,409	1,440	1,229	1,043	1,019	1,060	1,068	1,804	3,552	4,446	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,620	1,891	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,815	2,685	4,072
1994	Critical	1,536	3,676	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,890	1,680	1,469
1995	Wet	1,171	1,201	1,223	10,583	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,941	2,166	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,539	3,786	13,221	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,069	2,643	4,937
2000	Above Normal	1,788	3,214	2,025	2,498	11,529	4,098	2,474	2,209	2,027	5,062	1,927	2,637
2001	Dry	1,615	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,104	1,315	1,065
2002	Dry	1,182	829	1,318	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,720
2003	Above Normal	2,260	1,955	2,250	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,119	16,634	25,948	25,447	17,370	11,333	20,994	15,796	12,691	20,085	15,348	14,149
1924	Critical	10,952	10,445	9,869	12,157	14,852	9,160	7,903	7,225	7,974	14,693	7,547	6,636
1925	Dry	7,262	7,575	12,380	12,052	49,385	16,631	23,176	13,706	12,502	19,398	13,269	13,395
1926	Dry	9,291	9,250	9,365	17,347	37,280	11,826	20,238	10,870	13,524	19,312	12,625	10,441
1927	Wet	7,945	21,302	18,523	31,633	73,779	41,778	42,649	24,401	18,451	22,024	16,348	29,746
1928	Above Normal	11,668	20,228	14,734	23,952	21,105	66,337	24,141	10,419	15,598	24,460	16,985	22,470
1929	Critical	11,331	13,477	11,628	12,618	16,071	12,112	8,435	8,917	10,286	9,514	9,665	6,784
1930	Dry	6,494	6,673	17,552	20,056	17,766	30,550	13,070	11,073	13,149	18,579	11,456	12,938
1931	Critical	8,190	8,313	8,222	13,389	11,476	8,436	9,593	7,514	7,701	12,698	7,564	6,650
1932	Dry	6,479	6,557	18,894	20,305	15,040	12,297	9,347	12,500	13,433	15,602	13,649	9,910
1933	Critical	8,057	7,924	9,490	14,084	12,304	13,985	9,501	8,540	10,550	10,400	9,785	8,180
1934	Critical	6,611	6,701	14,088	17,851	14,771	11,624	10,933	9,560	10,749	9,098	7,163	6,699
1935	Below Normal	6,484	11,077	9,903	26,605	13,222	25,791	40,882	18,841	15,094	19,834	14,841	14,987
1936	Below Normal	10,484	9,228	10,423	37,142	60,249	33,017	20,989	13,714	14,809	20,328	14,895	13,933
1937	Below Normal	10,819	9,673	13,893	13,300	33,771	35,918	20,818	13,896	16,271	19,039	13,117	9,775
1938	Wet	10,703	24,446	57,343	28,406	70,448	72,225	54,553	53,026	34,605	15,079	15,226	27,334
1939	Dry	12,536	13,232	13,791	10,713	12,179	9,609	9,064	9,998	9,651	19,787	14,697	15,105
1940	Above Normal	8,044	7,984	9,262	26,617	52,897	67,423	54,259	14,997	12,562	23,629	16,200	21,042
1941	Wet	10,989	13,586	34,251	62,267	65,241	60,969	49,696	38,615	16,023	17,457	15,190	30,471
1942	Wet	12,429	17,544	41,308	56,837	68,591	22,062	41,490	31,932	24,830	16,728	15,420	29,847
1943	Wet	12,742	19,386	18,276	59,674	47,791	57,277	25,373	15,479	12,439	23,112	15,782	29,616
1944	Dry	12,938	16,035	14,751	15,107	24,178	19,155	9,789	9,442	11,944	19,277	13,810	8,953
1945	Below Normal	7,959	14,527	15,976	13,141	43,597	20,961	12,312	12,687	11,925	19,744	15,819	14,210
1946	Below Normal	11,802	13,578	49,368	45,003	16,432	18,292	14,128	13,666	11,349	20,688	16,709	14,865
1947	Dry	11,855	11,379	15,154	11,571	17,513	19,660	12,724	9,628	13,147	20,150	15,133	14,731
1948	Below Normal	10,200	11,102	9,444	14,898	10,352	15,869	23,266	28,614	21,153	20,425	17,692	15,420
1949	Dry	10,948	10,274	13,339	11,364	11,828	40,246	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,892	9,509	10,015	20,039	34,080	19,962	14,593	13,889	21,057	16,339	14,887	15,877
1951	Above Normal	13,266	45,429	74,758	55,406	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,335
1952	Wet	12,005	17,509	36,467	58,575	59,093	52,707	53,626	58,987	36,121	18,325	16,353	26,355
1953	Wet	14,459	17,341	32,470	63,573	23,060	19,541	16,406	24,431	24,944	26,820	16,820	19,949
1954	Above Normal	11,992	19,182	14,845	24,346	45,036	43,628	38,790	12,296	14,223	24,719	17,093	22,851
1955	Dry	12,000	17,134	21,729	18,862	12,758	10,748	11,502	11,925	9,872	19,833	13,278	13,362
1956	Wet	8,304	11,036	49,606	75,069	59,456	34,215	18,077	39,217	20,637	17,385	15,396	29,692
1957	Above Normal	13,292	18,893	15,019	13,341	15,242	42,370	11,687	18,507	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,387	42,062	30,065	17,823	17,194	26,983
1959	Below Normal	14,999	18,084	15,271	21,633	41,662	15,896	10,338	10,616	13,509	23,554	17,298	14,083
1960	Dry	10,486	9,604	9,530	12,886	27,062	19,473	11,495	11,370	13,067	19,912	15,035	15,788
1961	Dry	8,602	12,706	19,169	12,644	33,442	18,478	10,191	10,464	11,180	20,708	12,888	10,975
1962	Below Normal	8,068	10,035	16,536	10,764	44,338	22,969	13,280	13,310	11,965	22,565	17,342	14,801
1963	Wet	34,384	16,242	27,945	16,909	61,938	25,006	64,449	26,359	14,140	24,311	16,509	28,674
1964	Dry	13,428	23,093	13,907	22,212	13,084	10,888	10,342	11,432	10,903	19,846	14,302	15,468
1965	Wet	8,927	15,562	44,229	70,874	32,673	19,743	40,271	17,537	15,172	22,261	15,881	29,819
1966	Below Normal	12,859	20,988	13,188	24,741	22,377	20,824	13,029	11,569	12,551	22,908	17,025	15,542
1967	Wet	10,350	15,097	36,472	36,587	46,618	45,914	34,380	43,172	38,246	14,633	15,713	28,484
1968	Below Normal	14,165	15,634	15,482	23,563	50,215	31,980	10,787	11,587	12,535	23,630	16,348	14,133
1969	Wet	11,556	12,017	22,849	64,355	69,086	42,925	39,682	45,518	22,432	13,631	13,745	27,734
1970	Wet	12,054	12,989	44,286	76,866	62,399	33,434	10,847	12,694	12,735	24,896	16,547	26,485
1971	Wet	13,805	19,596	47,245	46,379	22,418	39,151	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,107	15,292	15,877	17,107	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,047	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,278	15,375	18,445
1974	Wet	13,611	48,137	59,345	72,443	39,328	67,942	56,272	20,677	19,499	19,851	17,257	27,985
1975	Wet	14,685	19,011	15,116	14,187	49,321	58,498	20,190	28,779	24,124	19,537	15,314	29,391
1976	Critical	15,878	19,004	15,548	11,041	12,650	13,513	10,160	6,663	8,255	16,967	9,516	11,534
1977	Critical	10,906	8,010	8,201	9,722	10,768	8,117	8,658	5,448	8,239	8,882	9,904	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,877	54,972	33,814	18,604	15,959	20,042	16,287	21,504
1979	Below Normal	12,554	14,450	15,005	21,149	28,771	24,730	13,656	14,460	12,784	20,592	16,040	12,234
1980	Above Normal	10,682	15,797	19,733	68,349	67,316	43,189	16,867	14,116	12,751	16,017	15,070	13,166
1981	Dry	12,223	14,441	15,564	20,831	26,450	25,299	13,219	9,758	13,567	19,893	15,326	15,880
1982	Wet	9,923	33,633	67,946	59,224	66,794	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,286	76,341	47,363	33,779	34,019	13,369	12,142	12,200	23,632	15,875	28,006
1985	Dry	11,243	24,682	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,508	76,675	70,753	18,197	12,973	13,207	20,919	14,103	23,663
1987	Dry	12,002	11,989	15,111	13,732	19,283	22,742	9,359	10,802	13,471	17,792	9,350	8,689
1988	Critical	7,833	7,735	17,578	25,017	13,273	7,427	11,357	9,096	10,763	16,159	9,705	6,702
1989	Dry	6,623	9,572	9,952	12,282	8,837	45,550	21,142	13,700	13,635	20,815	15,033	15,879
1990	Critical	9,876	9,184	11,125	18,387	13,395	12,270	11,389	7,988	8,003	17,815	10,502	6,894
1991	Critical	6,595	6,686	7,181	9,618	8,977	28,664	11,738	7,176	9,636	17,363	9,725	6,843
1992	Critical	6,547	6,571	6,598	10,394	27,982	18,328	11,166	9,475	13,709	14,480	10,418	7,621
1993	Above Normal	7,688	6,672	12,616	46,928	48,092	38,920	37,440	26,003	26,194	19,731	16,502	22,740
1994	Critical	13,143	14,088	15,776	12,795	21,603	11,824	12,878	10,289	8,280	19,268	13,712	10,782
1995	Wet	7,610	8,336	15,277	63,130	49,951	77,297	50,308	58,378	38,017	17,119	18,024	23,059
1996	Wet	15,724	14,072	22,238	42,595	72,189	57,284	32,959	40,904	15,310	21,547	15,584	31,355
1997	Wet	11,692	17,501	50,733	77,914	51,973	22,127	16,219	12,074	12,716	24,528	16,386	28,994
1998	Wet	12,399	17,728	20,020	26,829	68,230	60,524	45,021	42,782	61,518	23,530	20,460	26,639
1999	Wet	16,285	26,797	34,936	38,330	61,292	54,457	22,714	18,635	16,896	21,508	15,902	26,763
2000	Above Normal	11,052	18,111	14,507	21,734	62,490	48,327	17,808	16,081	12,262	22,767	16,790	22,183
2001	Dry	9,224	14,023	14,419	16,674	23,517	22,304	11,493	9,348	13,401	19,337	9,680	9,601
20													

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Alternative 2 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,557	30,020	27,513	22,710	49,265	35,401	18,463	15,447	23,851
1923	Below Normal	12,350	17,507	25,697	25,471	17,391	11,358	20,962	15,300	12,195	20,077	15,226	14,149
1924	Critical	12,438	9,948	11,557	12,154	14,786	9,170	7,910	7,231	7,981	10,166	7,577	6,640
1925	Dry	7,266	7,582	12,383	12,053	49,373	16,628	23,169	13,702	12,502	19,141	13,198	13,280
1926	Dry	8,790	8,804	9,363	17,347	37,423	11,825	20,224	10,871	13,527	19,793	12,784	11,502
1927	Wet	7,951	21,350	18,585	31,664	73,849	41,777	42,657	24,407	18,455	22,024	16,432	29,725
1928	Above Normal	11,690	20,187	14,734	23,953	21,106	66,332	24,134	10,418	15,608	24,440	17,002	22,500
1929	Critical	11,326	13,490	11,626	12,619	16,071	12,025	8,435	8,917	10,285	9,508	9,871	6,783
1930	Dry	6,494	6,673	17,557	20,061	17,771	30,539	13,070	11,073	13,148	18,590	11,457	12,939
1931	Critical	8,211	8,337	8,230	13,390	11,476	8,434	9,593	7,514	7,701	12,651	7,560	6,650
1932	Dry	6,479	6,557	18,897	20,307	15,147	12,297	9,347	12,500	13,434	15,602	15,211	9,904
1933	Critical	8,057	7,924	9,546	14,085	12,306	13,987	9,502	8,288	10,547	10,087	9,774	7,938
1934	Critical	6,622	6,708	13,886	17,799	14,777	11,535	10,933	9,559	10,746	9,088	7,160	6,697
1935	Below Normal	6,482	11,094	9,902	26,607	13,225	25,793	40,884	18,841	15,094	19,832	14,840	14,985
1936	Below Normal	10,491	9,237	10,425	37,148	60,161	33,020	20,989	13,714	14,809	20,376	14,895	13,962
1937	Below Normal	10,819	9,673	13,893	13,302	33,772	35,920	20,820	13,896	16,916	19,022	12,891	9,780
1938	Wet	10,704	24,447	57,357	28,407	70,392	72,225	54,553	53,027	34,605	15,079	15,226	28,485
1939	Dry	12,486	14,160	13,329	10,744	12,179	9,628	9,076	9,997	9,652	19,789	14,280	14,940
1940	Above Normal	8,043	7,984	9,217	26,629	52,635	67,414	54,258	14,996	12,561	23,624	16,515	21,485
1941	Wet	11,000	13,470	33,811	62,114	65,241	60,969	49,696	38,616	16,023	17,458	15,190	30,471
1942	Wet	12,395	17,577	41,309	56,837	68,591	22,063	41,493	31,936	24,833	16,728	15,419	30,324
1943	Wet	12,739	19,369	18,281	59,438	47,796	57,279	25,375	15,485	12,442	23,066	15,781	29,731
1944	Dry	12,848	16,657	14,738	15,121	24,186	19,162	9,790	9,443	11,945	19,186	13,821	8,944
1945	Below Normal	7,958	14,516	15,961	13,127	43,599	20,961	11,814	12,189	11,430	19,475	15,820	14,210
1946	Below Normal	11,333	13,993	49,992	44,991	16,596	17,610	14,131	13,666	11,527	20,689	16,710	14,865
1947	Dry	11,780	11,380	15,156	11,571	17,514	19,670	12,723	9,629	13,148	20,150	15,110	14,701
1948	Below Normal	10,207	11,103	9,445	14,898	10,350	15,869	23,266	28,610	21,153	20,433	17,692	15,416
1949	Dry	10,947	10,278	13,338	11,364	11,828	40,252	12,881	12,539	12,515	19,984	15,601	15,474
1950	Below Normal	8,848	9,509	10,015	20,075	34,080	19,962	19,484	14,593	13,890	21,052	16,339	14,887
1951	Above Normal	13,264	45,429	74,764	55,405	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,334
1952	Wet	12,005	17,510	36,468	58,575	59,093	52,708	53,627	58,991	36,130	18,337	16,353	26,738
1953	Wet	14,524	18,773	31,170	63,289	23,066	19,544	16,407	24,432	24,943	22,448	16,818	29,946
1954	Above Normal	11,993	19,038	14,846	24,455	45,066	43,630	38,790	12,297	14,224	24,719	17,093	22,852
1955	Dry	12,018	17,162	21,728	18,862	12,759	10,748	11,502	11,925	9,872	19,832	13,265	13,100
1956	Wet	8,305	11,040	49,621	75,088	59,456	34,216	18,077	39,217	20,637	17,385	15,396	29,721
1957	Above Normal	13,292	18,893	15,019	13,341	15,241	42,344	11,687	18,507	11,701	24,534	17,172	22,452
1958	Wet	15,701	16,667	22,781	36,741	69,347	68,124	67,388	42,063	30,065	17,284	17,194	26,985
1959	Below Normal	14,998	18,179	15,269	21,559	41,640	15,895	10,338	10,615	13,509	23,566	17,296	14,054
1960	Dry	10,464	9,542	9,506	12,883	27,060	19,474	11,495	11,370	13,066	19,912	15,079	15,791
1961	Dry	8,682	12,706	19,162	12,644	33,441	10,191	10,464	11,180	20,709	12,887	10,974	10,974
1962	Below Normal	8,067	10,037	16,538	10,764	44,337	22,969	13,280	13,310	11,964	22,566	17,342	14,802
1963	Wet	34,384	16,242	27,945	16,908	61,935	25,006	64,449	26,359	14,140	24,312	16,509	28,641
1964	Dry	13,442	23,093	13,889	22,216	13,084	10,888	10,342	11,432	10,904	19,846	14,311	15,469
1965	Wet	8,938	15,562	44,229	70,874	32,673	19,744	40,277	17,537	15,172	22,265	15,883	29,822
1966	Below Normal	12,861	20,810	13,193	24,739	22,376	21,014	13,063	11,569	12,551	22,372	17,026	15,453
1967	Wet	10,353	15,094	36,500	36,587	46,619	45,914	34,380	43,172	38,247	14,634	15,713	28,674
1968	Below Normal	14,044	17,894	15,482	23,394	48,799	32,018	10,787	11,587	12,499	23,674	16,352	14,134
1969	Wet	11,295	12,004	22,831	64,414	69,086	42,924	39,682	45,518	22,432	13,778	13,745	27,580
1970	Wet	12,180	12,989	44,238	76,866	62,399	33,433	10,847	12,694	12,745	24,894	16,547	26,463
1971	Wet	13,811	19,581	47,249	46,379	22,418	39,163	22,663	27,623	21,215	22,316	17,085	29,790
1972	Below Normal	13,860	16,103	15,292	15,876	17,106	28,194	11,446	10,963	12,644	23,381	17,049	15,296
1973	Above Normal	11,046	19,897	25,896	57,646	64,317	46,818	15,319	16,757	15,618	22,277	15,375	19,561
1974	Wet	12,918	47,863	59,346	72,442	39,326	67,942	56,272	20,678	19,501	19,850	17,256	28,528
1975	Wet	14,678	18,873	15,117	14,185	48,981	58,526	20,188	28,778	24,123	19,537	15,312	29,392
1976	Critical	15,905	19,035	15,548	11,040	12,650	13,513	10,160	6,663	8,255	17,012	9,468	11,536
1977	Critical	10,856	8,006	8,191	9,728	10,761	8,117	8,658	5,448	8,239	8,882	9,877	6,430
1978	Above Normal	6,340	6,528	15,046	48,783	43,871	54,980	33,813	18,601	15,964	20,053	16,296	21,514
1979	Below Normal	12,550	15,833	15,035	21,173	28,487	24,739	13,680	14,463	12,782	20,591	16,039	13,579
1980	Above Normal	11,691	15,253	19,754	67,662	67,318	43,184	16,863	14,113	12,749	16,010	14,323	16,870
1981	Dry	11,719	12,545	15,564	20,524	25,366	25,291	13,213	9,753	13,569	19,897	15,274	15,734
1982	Wet	10,082	34,119	67,906	59,212	66,794	61,174	71,966	31,621	20,887	14,816	13,789	22,918
1983	Wet	19,867	35,658	57,754	57,395	74,128	81,283	56,763	54,461	51,681	23,599	20,631	25,952
1984	Wet	18,649	54,285	76,341	47,362	33,778	34,018	13,368	12,142	12,200	23,632	15,875	28,008
1985	Dry	11,243	24,675	21,185	13,835	14,965	13,104	12,462	11,197	12,816	19,546	14,089	15,213
1986	Wet	11,438	13,087	17,152	22,508	76,675	70,753	18,197	12,973	13,207	20,919	15,261	22,538
1987	Dry	12,008	12,406	15,102	13,746	19,291	22,744	9,360	10,801	13,469	17,574	9,304	8,684
1988	Critical	7,832	7,734	17,577	25,017	13,272	7,429	11,357	9,096	10,763	16,121	9,699	6,702
1989	Dry	6,623	9,568	9,949	12,279	8,836	45,553	21,142	13,700	13,635	20,815	14,927	15,874
1990	Critical	9,898	9,181	11,161	18,385	13,394	12,269	11,389	7,988	8,003	17,815	10,504	6,894
1991	Critical	6,595	6,686	7,178	9,623	8,974	28,661	11,736	7,174	9,636	17,318	9,744	6,841
1992	Critical	6,547	6,571	6,593	10,391	27,980	18,326	11,166	9,475	13,709	14,471	10,417	7,616
1993	Above Normal	7,687	6,672	12,614	46,927	48,090	38,961	37,440	26,004	26,197	19,732	16,502	22,741
1994	Critical	13,143	14,066	15,776	12,792	21,601	11,823	12,878	10,289	8,280	19,268	13,715	10,782
1995	Wet	7,610	8,337	15,276	63,128	49,950	77,297	50,307	58,377	38,016	17,070	18,026	23,060
1996	Wet	15,720	15,499	21,757	42,516	72,089	57,290	32,957	40,904	15,311	21,546	15,582	31,354
1997	Wet	11,614	17,488	50,778	77,914	51,973	22,127	16,219	12,074	12,566	24,528	16,386	29,109
1998	Wet	12,390	17,728	20,020	26,827	68,239	60,524	45,021	42,786	61,521	23,535	20,465	26,644
1999	Wet	16,292	26,804	34,937	38,329	61,291	54,456	22,713	18,634	16,895	21,508	15,902	26,623
2000	Above Normal	11,143	18,062	14,519	21,671	62,510	48,327	17,807	16,081	12,262	22,766	16,792	22,185
2001	Dry	9,217	14,020	14,244	16,672	23,517	22,303	11,493	9,348	13,401			

X2 Position (Node X2_PRV)

Existing Condition (km)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	90	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	89
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	58	53	60	63	73	81	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	84	82	79	78	79	83	86	88	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	65	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	65	68	76	82	86	89
1946	Below Normal	90	90	56	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	49	57	70	83	74
1953	Wet	74	76	63	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	91	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	70	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	52	56	68	83	74
1968	Below Normal	74	76	81	71	52	58	67	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	51	58	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	68	77	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	91	83	78	50	47	49	61	65	70	78	84	81
1981	Dry	81	81	83	74	64	62	68	74	81	85	88	89
1982	Wet	90	71	49	48	48	48	47	52	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	64	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	54	62	73	74
1996	Wet	74	75	70	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	61	65	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	60	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

X2 Position (Node X2_PRV)

Alternative 2 (km)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	89	90	90	87	79	76	79	85	89	90	91	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	90
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	81	82	86	90	93
1934	Critical	94	93	86	77	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	59	53	60	64	73	80	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	85	82	79	78	79	83	86	89	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	66	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	66	69	77	82	86	89
1946	Below Normal	90	90	55	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	50	57	70	83	74
1953	Wet	74	76	64	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	92	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	69	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	53	57	69	84	74
1968	Below Normal	74	76	81	71	52	58	68	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	52	59	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	69	78	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	90	84	79	50	47	50	61	65	70	78	84	81
1981	Dry	81	81	83	74	65	62	68	74	81	85	88	89
1982	Wet	90	70	49	48	48	48	47	53	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	65	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	55	62	74	74
1996	Wet	74	75	71	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	62	66	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	61	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

CalSim II Modeling Attachment: Alternative Plan 3, Existing Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

August 2014

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 3 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	260	350	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	260	350	350	407	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	260	350	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	260	350	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	210	350	350	357	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 3 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-31	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	0%
1978	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,057	1,618	1,489	679	350	350	350	350	466	121	246	431
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	379
1927	Above Normal	1,015	1,618	352	494	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	485	350	350	350	350	466	121	100	1,190
1936	Above Normal	1,123	1,680	1,429	350	350	350	350	350	466	121	100	1,780
1937	Wet	2,556	2,817	3,437	1,420	350	350	350	350	466	198	482	2,460
1938	Wet	5,363	6,640	7,684	5,072	1,224	350	350	350	466	121	144	362
1939	Dry	1,015	358	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	973	350	350	350	350	350	466	121	100	2,361
1941	Wet	1,083	1,618	2,704	2,089	350	350	350	350	466	121	803	520
1942	Wet	1,015	1,618	350	402	350	350	350	350	466	121	2,192	651
1943	Wet	2,799	2,042	1,266	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	2,512
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	219	419	372
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	108	391
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	3,226	1,220	719
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	463
1952	Wet	2,207	3,064	4,691	3,444	350	350	350	350	466	121	201	378
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	2,210	4,253	724
1956	Wet	1,045	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	2,292	2,807	4,261	2,462	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	503
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	681	876
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	234	378
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	154	508
1967	Wet	1,095	3,064	4,095	3,379	3,869	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	2,199	3,546
1969	Wet	5,334	7,014	7,385	8,220	1,758	350	350	350	466	121	249	373
1970	Above Normal	1,032	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	1,424	445	350	350	350	350	466	121	1,294	422
1974	Wet	1,015	1,814	470	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	356	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	2,083
1978	Wet	2,404	4,393	4,479	4,962	1,727	350	350	350	466	121	245	396
1979	Above Normal	1,214	1,618	1,153	350	350	350	350	350	466	121	2,757	3,692
1980	Wet	2,168	1,618	1,658	2,265	1,092	350	350	350	466	121	118	365
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	1,139
1982	Wet	1,196	5,512	4,741	3,119	350	350	350	1,309	1,641	3,430	3,652	3,689
1983	Wet	5,582	7,467	7,667	9,052	5,367	350	350	350	889	3,112	886	373
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	4,798
1986	Wet	4,367	1,819	3,244	2,452	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	427
1993	Wet	1,047	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	181	720
1995	Wet	3,743	3,476	4,724	5,024	6,422	350	350	350	466	121	100	464
1996	Wet	2,549	1,668	1,012	496	350	350	350	350	466	2,241	10,309	2,294
1997	Wet	1,050	1,618	2,337	1,658	350	350	350	350	466	121	100	2,732
1998	Wet	2,344	2,839	3,986	4,979	5,121	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)

Alternative 3 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,088	1,693	472	564	606	606	521	388	386	492	169	119	457	
1923	Above Normal	1,088	1,693	472	564	606	606	521	388	197	161	169	185	202	
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1925	Below Normal	1,036	1,005	384	411	422	398	361	360	473	135	124	389		
1926	Dry	1,025	995	367	381	386	374	355	355	470	128	112	376		
1927	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	441	
1928	Below Normal	1,057	1,027	420	473	497	448	372	371	481	149	149	417		
1929	Critical	1,015	350	350	350	350	350	350	350	350	466	121	100	362	
1930	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	114	
1931	Critical	1,015	200	215	215	255	255	260	350	407	121	100	350		
1932	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1933	Dry	1,031	1,000	376	396	405	387	358	358	472	131	118	383		
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1935	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	441	
1936	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	100	362	
1937	Wet	1,088	1,618	383	564	606	606	521	388	386	492	121	100	701	
1938	Wet	2,461	4,568	4,791	3,247	1,158	350	350	350	466	121	100	362		
1939	Dry	1,015	426	472	564	606	521	388	386	492	169	185	441		
1940	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	100	377	
1941	Wet	1,088	1,693	1,780	1,872	606	606	521	388	386	492	169	100	457	
1942	Wet	1,088	1,693	472	564	606	606	521	388	386	492	169	100	457	
1943	Wet	1,088	1,693	472	564	606	606	521	388	386	492	169	185	441	
1944	Below Normal	1,067	1,037	436	502	531	471	377	376	484	155	160	429		
1945	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1946	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1947	Dry	1,046	1,016	402	442	460	423	366	366	477	142	136	389		
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362		
1949	Below Normal	1,017	986	354	357	358	355	351	351	467	122	102	365		
1950	Below Normal	1,044	1,014	399	436	453	419	365	365	476	121	100	400		
1951	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	377	
1952	Wet	1,088	1,618	1,658	1,658	350	350	350	350	466	121	100	362		
1953	Below Normal	1,015	1,059	472	564	606	606	521	388	386	492	169	185	457	
1954	Below Normal	1,038	1,007	388	416	429	403	362	361	474	136	126	392		
1955	Dry	1,024	993	365	377	382	372	355	355	470	127	110	350		
1956	Wet	1,015	1,693	1,780	1,872	606	606	521	388	386	492	169	185	457	
1957	Below Normal	1,088	1,059	472	564	606	606	521	388	386	492	169	185	457	
1958	Wet	1,088	1,693	1,658	1,658	350	350	350	350	466	121	100	362		
1959	Dry	1,015	1,020	409	454	474	433	368	368	479	144	141	394		
1960	Critical	1,015	350	350	350	350	350	350	350	160	136	121	100	114	
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1962	Below Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1963	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	441	
1964	Dry	1,017	352	353	356	357	354	351	351	467	122	102	365		
1965	Wet	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1966	Below Normal	1,080	1,051	458	540	577	501	383	382	489	164	175	446		
1967	Wet	1,088	1,618	1,658	1,658	350	350	350	350	466	121	100	362		
1968	Dry	1,015	426	472	564	606	606	521	388	386	492	169	100	1,843	
1969	Wet	2,286	4,737	4,434	5,208	1,683	350	350	350	466	121	100	362		
1970	Above Normal	1,015	1,059	472	564	606	606	521	388	386	492	169	185	457	
1971	Below Normal	1,071	1,041	443	513	545	480	379	378	486	158	165	419		
1972	Dry	1,017	986	353	355	356	354	351	351	467	122	102	365		
1973	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
1974	Wet	1,088	1,693	350	564	606	606	521	388	386	492	169	185	457	
1975	Wet	1,088	1,693	472	564	606	606	521	388	197	161	169	185	202	
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104		
1977	Critical	130	150	190	190	230	230	210	350	357	121	100	362		
1978	Wet	1,015	1,618	1,658	1,872	606	606	521	388	386	492	169	185	457	
1979	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	100	350	
1980	Wet	1,015	1,618	1,780	1,872	606	606	521	388	386	492	169	185	457	
1981	Dry	1,088	1,059	472	564	606	606	521	388	386	492	169	185	457	
1982	Wet	1,088	1,618	1,658	1,658	350	350	350	350	466	2,606	3,497	3,530		
1983	Wet	5,449	7,290	7,488	7,827	5,281	350	350	350	579	3,059	866	350		
1984	Above Normal	1,015	1,693	472	564	606	606	521	388	386	492	169	185	457	
1985	Dry	1,074	1,045	448	523	557	488	380	379	487	160	168	439		
1986	Wet	1,015	1,618	1,658	1,872	606	606	521	388	386	492	169	185	457	
1987	Critical	1,036	372	386	413	425	400	361	361	474	135	125	377		
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362		
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350		
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1993	Wet	1,088	1,693	1,780	1,872	606	606	521	388	386	492	169	185	457	
1994	Critical	1,016	351	352	353	354	353	351	350	467	122	101	364		
1995	Wet	1,088	1,618	2,461	1,872	5,346	606	521	388	386	492	169	185	441	
1996	Wet	2,144	1,725	497	564	606	606	521	388	386	492	169	4,079	1,140	
1997	Wet	1,088	1,693	1,904	1,872	606	606	521	388	386	492	169	185	457	
1998	Wet	1,078	1,618	1,658	1,658	3,002	350	350	350	466	121	100	362		
1999	Above Normal	1,015	1,693	472	564	606	606	521	388	386	492	169	185	441	
2000	Above Normal	1,088	1,693	472	564	606	606	521	388	386	492	169	185	457	
2001	Dry	1,026	996	369	384	390	377	356	356	470	128	113	377		
2002	Dry	1,016	985	352	354	355	353	351	351	467	122	101	364		
2003	Below Normal	1,049	1,653	406	449	468	429	367	n/a	n/a	n/a	n/a	n/a		

Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	31	76	-1,018	-115	256	171	38	37	25	49	-127	26
1923	Above Normal	73	76	122	214	256	171	38	37	25	49	85	91
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	21	21	35	61	73	48	11	10	7	14	24	27
1926	Dry	10	11	17	31	37	24	5	5	4	7	12	-3
1927	Above Normal	73	76	120	70	256	171	38	37	25	49	85	91
1928	Below Normal	42	43	70	123	147	98	22	21	14	28	49	54
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-57	0	0	0
1932	Above Normal	73	76	122	214	256	171	38	37	25	49	85	95
1933	Dry	16	16	26	46	55	37	8	8	5	11	18	20
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	73	76	122	79	256	171	38	37	25	49	85	-748
1936	Above Normal	-35	13	-957	214	256	171	38	37	25	49	0	-1,418
1937	Wet	-1,468	-1,200	-3,054	-856	256	171	38	37	25	-77	-382	-1,759
1938	Wet	-2,902	-2,072	-2,893	-1,825	-66	0	0	0	0	0	-45	0
1939	Dry	0	68	122	214	256	171	38	37	25	49	85	91
1940	Above Normal	73	76	-501	214	256	171	38	37	25	49	0	-1,984
1941	Wet	5	76	-925	-217	256	171	38	37	25	49	-703	-63
1942	Wet	73	76	122	162	256	171	38	37	25	49	-2,093	-194
1943	Wet	-1,711	-349	-795	214	256	171	38	37	25	49	85	91
1944	Below Normal	52	54	86	152	182	121	27	26	18	35	61	-2,082
1945	Above Normal	73	76	122	214	256	171	38	37	25	-50	-235	85
1946	Above Normal	73	76	122	214	256	171	38	37	25	49	76	66
1947	Dry	31	33	52	92	110	73	16	16	11	21	37	39
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	2	2	4	7	8	5	1	1	1	2	3	3
1950	Below Normal	29	30	49	86	103	69	15	15	10	-3,105	-1,121	-319
1951	Above Normal	73	76	122	214	256	171	38	37	25	49	85	-86
1952	Wet	-1,119	-1,446	-3,033	-1,786	0	0	0	0	0	0	-101	-15
1953	Below Normal	0	76	122	214	256	171	38	37	25	49	85	95
1954	Below Normal	23	23	38	66	79	53	12	11	8	15	26	29
1955	Dry	9	10	16	27	33	22	5	5	3	-2,083	-4,143	-374
1956	Wet	-31	76	122	214	256	171	38	37	25	49	85	95
1957	Below Normal	73	76	122	214	256	171	38	37	25	49	85	95
1958	Wet	-1,204	-1,113	-2,604	-805	0	0	0	0	0	0	0	0
1959	Dry	0	37	59	104	125	83	18	18	12	24	42	44
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	73	76	122	214	256	171	38	37	25	49	85	-46
1963	Above Normal	73	76	122	214	256	171	38	37	25	49	85	91
1964	Dry	2	2	3	6	7	5	1	1	1	1	-579	-511
1965	Wet	73	76	122	214	256	171	38	37	25	49	-49	79
1966	Below Normal	65	67	108	190	227	151	33	32	22	43	21	-62
1967	Wet	-7	-1,447	-2,437	-1,722	-3,519	0	0	0	0	0	0	0
1968	Dry	0	76	122	214	256	171	38	37	25	49	-2,099	-1,703
1969	Wet	-3,048	-2,277	-2,951	-3,011	-75	0	0	0	0	0	-150	-11
1970	Above Normal	-17	76	122	214	256	171	38	37	25	49	85	95
1971	Below Normal	56	58	93	163	195	130	29	28	19	37	65	70
1972	Dry	2	2	3	6	7	4	1	1	1	1	2	2
1973	Above Normal	73	76	-952	119	256	171	38	37	25	49	-1,109	35
1974	Wet	73	-121	-120	214	256	171	38	37	25	49	85	95
1975	Wet	73	76	122	208	256	171	38	37	25	49	85	91
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-31	0	0	-1,720
1978	Wet	-1,389	-2,775	-2,822	-3,090	-1,121	171	38	37	25	49	-61	61
1979	Above Normal	-126	76	-681	214	256	171	38	37	25	49	-2,657	-3,342
1980	Wet	-1,153	0	122	-393	-486	171	38	37	25	49	67	92
1981	Dry	73	76	122	214	256	171	38	37	25	49	85	-683
1982	Wet	-108	-3,894	-3,084	-1,462	0	0	0	-959	-1,174	-824	-154	-159
1983	Wet	-133	-177	-180	-1,224	-86	0	0	0	-310	-53	-19	-23
1984	Above Normal	0	76	122	214	256	171	38	37	25	49	85	95
1985	Dry	59	61	98	173	207	138	31	30	20	39	69	-4,359
1986	Wet	-3,352	-202	-1,587	-581	256	171	38	37	25	49	85	95
1987	Critical	22	22	36	63	75	50	11	11	7	14	25	27
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-64
1993	Wet	41	76	122	214	256	171	38	37	25	49	85	95
1994	Critical	1	1	2	4	4	3	1	1	0	1	-80	-356
1995	Wet	-2,655	-1,859	-2,263	-3,152	-1,076	171	38	37	25	49	85	-22
1996	Wet	-405	57	-515	68	256	171	38	37	25	-2,071	-6,230	-1,154
1997	Wet	38	76	-433	214	256	171	38	37	25	49	85	-2,275
1998	Wet	-1,265	-1,222	-2,328	-3,321	-2,118	0	0	0	0	0	0	0
1999	Above Normal	0	76	122	214	256	171	38	37	25	49	85	91
2000	Above Normal	73	76	122	214	256	171	38	37	25	49	85	95
2001	Dry	12	12	19	34	41	27	6	6	4	8	14	15
2002	Dry	1	1	2	4	5	3	1	1	0	1	2	2
2003	Below Normal	34	35	56	99	119	79	18	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	3%	5%	-68%	-17%	73%	49%	11%	10%	5%	40%	-52%	6%
1923	Above Normal	7%	5%	35%	61%	73%	49%	11%	23%	18%	40%	86%	83%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	2%	2%	10%	17%	21%	14%	3%	3%	2%	11%	24%	7%
1926	Dry	1%	1%	5%	9%	10%	7%	2%	1%	1%	6%	12%	-1%
1927	Above Normal	7%	5%	34%	14%	73%	49%	11%	10%	5%	40%	86%	26%
1928	Below Normal	4%	4%	20%	35%	42%	28%	6%	6%	3%	23%	49%	15%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%
1932	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1933	Dry	2%	2%	8%	13%	16%	11%	2%	2%	1%	9%	19%	6%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	7%	5%	35%	16%	73%	49%	11%	10%	5%	40%	86%	-63%
1936	Above Normal	-3%	1%	-67%	61%	73%	49%	11%	10%	5%	40%	0%	-80%
1937	Wet	-57%	-43%	-89%	-60%	73%	49%	11%	10%	5%	-30%	-79%	-72%
1938	Wet	-54%	-31%	-38%	-36%	-5%	0%	0%	0%	0%	0%	-31%	0%
1939	Dry	0%	19%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1940	Above Normal	7%	5%	-51%	61%	73%	49%	11%	10%	5%	40%	86%	-84%
1941	Wet	0%	5%	-34%	-10%	73%	49%	11%	10%	5%	40%	-88%	-12%
1942	Wet	7%	5%	35%	40%	73%	49%	11%	10%	5%	40%	-95%	-30%
1943	Wet	-61%	-17%	-63%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1944	Below Normal	5%	5%	25%	43%	52%	35%	8%	7%	4%	29%	61%	-83%
1945	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	-23%	-56%	23%
1946	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	70%	17%
1947	Dry	3%	3%	15%	26%	31%	21%	5%	4%	2%	17%	37%	11%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	1%	2%	2%	2%	0%	0%	0%	1%	3%	1%
1950	Below Normal	3%	3%	14%	25%	29%	20%	4%	4%	2%	-96%	-92%	-44%
1951	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	-19%
1952	Wet	-51%	-47%	-65%	-52%	0%	0%	0%	0%	0%	0%	-50%	-4%
1953	Below Normal	0%	8%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1954	Below Normal	2%	2%	11%	19%	23%	15%	3%	3%	2%	13%	27%	8%
1955	Dry	1%	1%	4%	8%	9%	6%	1%	1%	1%	-94%	-52%	0%
1956	Wet	-3%	5%	7%	13%	73%	49%	11%	10%	5%	40%	86%	26%
1957	Below Normal	7%	8%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1958	Wet	-53%	-40%	-61%	-33%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	4%	17%	30%	36%	24%	5%	5%	3%	20%	42%	13%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	-9%
1963	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1964	Dry	0%	1%	1%	2%	2%	1%	0%	0%	0%	1%	-85%	-58%
1965	Wet	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	-21%	21%
1966	Below Normal	6%	7%	31%	54%	65%	43%	10%	9%	5%	36%	13%	-12%
1967	Wet	-1%	-47%	-60%	-51%	-91%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	22%	35%	61%	73%	49%	11%	10%	5%	40%	-95%	-48%
1969	Wet	-57%	-32%	-40%	-37%	-4%	0%	0%	0%	0%	0%	-60%	-3%
1970	Above Normal	-2%	8%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1971	Below Normal	5%	6%	27%	47%	56%	37%	8%	8%	4%	31%	65%	20%
1972	Dry	0%	0%	1%	2%	2%	1%	0%	0%	0%	1%	2%	1%
1973	Above Normal	7%	5%	-67%	27%	73%	49%	11%	10%	5%	40%	-86%	8%
1974	Wet	7%	-7%	-26%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1975	Wet	7%	5%	35%	59%	73%	49%	11%	23%	18%	40%	86%	83%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%	0%	-83%
1978	Wet	-58%	-63%	-63%	-62%	-65%	49%	11%	10%	5%	40%	-25%	15%
1979	Above Normal	-10%	5%	-59%	61%	73%	49%	11%	10%	5%	40%	-96%	-91%
1980	Wet	-53%	0%	7%	-17%	-45%	49%	11%	10%	5%	40%	57%	25%
1981	Dry	7%	8%	35%	61%	73%	49%	11%	10%	5%	40%	86%	-60%
1982	Wet	-9%	-71%	-65%	-47%	0%	0%	0%	-73%	-72%	-24%	-4%	-4%
1983	Wet	-2%	-2%	-2%	-14%	-2%	0%	0%	0%	-35%	-2%	-2%	-6%
1984	Above Normal	0%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
1985	Dry	6%	6%	28%	49%	59%	39%	9%	8%	4%	33%	69%	-91%
1986	Wet	-77%	-11%	-49%	-24%	73%	49%	11%	10%	5%	40%	86%	26%
1987	Critical	2%	6%	10%	18%	22%	14%	3%	3%	2%	12%	25%	8%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1993	Wet	4%	5%	7%	13%	73%	49%	11%	10%	5%	40%	86%	26%
1994	Critical	0%	0%	1%	1%	1%	1%	0%	0%	0%	1%	-44%	-49%
1995	Wet	-71%	-53%	-48%	-63%	-17%	49%	11%	10%	5%	40%	86%	-5%
1996	Wet	-16%	3%	-51%	14%	73%	49%	11%	10%	5%	-92%	-50%	0%
1997	Wet	4%	5%	-19%	13%	73%	49%	11%	10%	5%	40%	86%	-83%
1998	Wet	-54%	-43%	-58%	-67%	-41%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
2000	Above Normal	7%	5%	35%	61%	73%	49%	11%	10%	5%	40%	86%	26%
2001	Dry	1%	1%	6%	10%	12%	8%	2%	2%	1%	6%	14%	4%
2002	Dry	0%	0%	1%	1%	1%	1%	0%	0%	0%	1%	2%	0%
2003	Below Normal	3%	2%	16%	28%	34%	23%	5%	n/a	n/a	n/a	n/a	n/a

Simulated Merced River Inflow to San Joaquin River (Node C566)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	684	582	159	757	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	49	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	494	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	329	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	82	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	117	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	640	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,414	236	145	338	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,022	435	558	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	223	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	521	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	426	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	747	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	478	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,390	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	394	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	83	44
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,071	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	385	240	149	114	390
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Merced River Inflow to San Joaquin River (Node C566)

Alternative 3 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal			469	304	962	1,270	1,017	261	209	685	582	159	756	598
1924	Critical			593	385	382	396	320	273	253	43	63	88	45	49
1925	Below Normal			282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry			266	354	375	375	336	271	493	621	61	51	37	51
1927	Above Normal			274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal			426	352	389	361	493	341	330	202	271	179	88	80
1929	Critical			296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical			276	367	359	361	375	303	675	346	31	53	35	93
1931	Critical			276	385	372	382	408	292	99	98	84	124	76	75
1932	Above Normal			266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry			310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical			298	383	405	466	469	311	416	283	113	113	66	29
1935	Above Normal			282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal			368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet			707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet			442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry			833	397	383	443	509	453	641	583	135	67	73	68
1940	Above Normal			331	424	418	573	489	280	419	1,413	236	145	337	416
1941	Wet			459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet			718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet			494	549	783	2,172	1,974	3,163	910	1,132	435	449	941	490
1944	Below Normal			475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal			357	489	446	441	2,450	834	450	729	222	934	937	421
1946	Above Normal			840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry			520	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal			319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal			348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal			326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal			329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet			347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal			450	428	334	1,080	727	358	427	267	190	140	126	55
1954	Below Normal			360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry			314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet			311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal			580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet			424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry			483	395	382	395	564	335	748	651	172	107	116	94
1960	Critical			307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical			286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal			264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal			346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry			411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet			346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal			474	866	812	1,055	724	346	480	345	257	206	165	79
1967	Wet			293	366	400	408	424	1,388	1,756	2,666	4,147	4,063	1,494	797
1968	Dry			747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet			275	431	434	992	4,196	1,534	2,098	5,555	4,451	2,433	1,233	711
1970	Above Normal			825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal			383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry			359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal			309	412	432	474	889	652	435	2,048	275	546	1,038	574
1974	Wet			815	776	1,095	1,690	870	1,126	325	2,088	393	841	1,054	586
1975	Wet			667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical			1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical			354	311	322	373	253	234	569	361	173	130	81	44
1978	Wet			268	282	350	516	824	582	219	566	4,016	2,613	1,294	1,369
1979	Above Normal			509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet			698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry			629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet			401	405	414	484	2,070	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet			1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal			1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry			526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet			405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical			558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical			356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical			256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical			305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical			248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical			270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet			206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical			739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet			239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet			474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet			613	845	3,494	9,912	2,144	1,191	760	499	240	149	114	274
1998	Wet			389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal			741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal			285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry			380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry			239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal			227	316	353	327	287	241	251	513	160	80	66	41

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			515	1,062	1,438	1,170	3,946	3,113	2,023	1,919	3,615	1,475	951	940
1923	Above Normal			726	1,319	2,082	2,462	2,252	1,534	2,485	1,260	907	278	840	1,148
1924	Critical			769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal			484	1,053	780	708	1,967	1,769	2,015	1,021	494	145	132	536
1926	Dry			512	1,032	817	728	1,310	1,333	1,872	939	192	61	90	534
1927	Above Normal			503	1,312	918	848	2,869	1,908	2,183	1,082	446	205	166	576
1928	Below Normal			745	1,458	946	919	1,499	1,996	1,502	480	403	190	141	562
1929	Critical			516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical			491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical			420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal			431	945	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry			481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical			476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal			465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal			644	1,134	812	921	7,929	2,382	2,860	1,918	470	340	902	937
1937	Wet			982	1,170	909	1,616	10,479	4,847	3,471	5,652	952	696	892	949
1938	Wet			690	1,321	3,705	3,085	13,421	17,288	9,804	13,009	9,480	2,490	1,293	1,126
1939	Dry			1,148	1,382	874	869	1,429	1,810	1,071	889	283	93	126	632
1940	Above Normal			609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet			708	1,121	2,368	2,345	8,907	4,884	3,560	5,828	4,214	1,919	1,186	1,029
1942	Wet			985	1,357	2,203	3,126	3,378	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet			742	1,572	1,291	5,894	3,405	8,308	3,029	1,737	658	610	1,022	977
1944	Below Normal			723	1,335	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal			614	1,345	937	843	6,340	3,365	2,303	1,161	521	1,003	1,003	917
1946	Above Normal			1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	206	194	568
1947	Dry			779	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal			586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal			595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal			547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal			595	1,947	6,680	4,077	2,852	1,943	1,771	850	464	223	182	551
1952	Wet			598	1,141	1,261	4,547	2,644	6,515	4,672	9,170	6,072	2,094	1,316	1,134
1953	Below Normal			689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal			590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry			535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet			531	1,084	5,651	10,548	5,009	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal			828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet			698	1,066	864	932	2,167	5,779	9,122	7,615	4,760	1,844	1,226	1,189
1959	Dry			722	1,069	808	788	1,632	1,444	1,473	848	270	117	169	668
1960	Critical			527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical			429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal			480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal			601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry			705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet			621	1,161	1,751	3,549	1,561	1,707	2,840	1,543	701	327	336	789
1966	Below Normal			713	2,088	1,482	1,676	1,714	1,525	1,267	590	372	232	218	561
1967	Wet			513	1,087	1,556	1,168	1,561	3,515	8,592	8,332	7,405	6,065	1,596	1,302
1968	Dry			986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet			523	1,152	1,006	7,382	16,131	12,297	12,746	15,291	14,063	3,062	1,334	1,234
1970	Above Normal			1,124	1,277	935	5,402	2,453	2,814	1,631	1,156	519	292	288	637
1971	Below Normal			625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry			588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal			547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet			1,127	1,614	1,700	3,304	1,791	3,038	2,610	2,485	591	905	1,120	1,073
1975	Wet			930	1,173	868	716	3,487	3,211	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical			1,314	982	805	736	927	1,234	740	415	269	156	232	614
1977	Critical			506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet			442	772	802	1,986	5,563	6,239	9,003	6,666	8,429	2,704	1,381	1,927
1979	Above Normal			731	1,320	883	2,422	3,699	3,939	2,311	1,682	546	322	797	930
1980	Wet			965	1,096	835	8,667	11,878	7,878	2,410	2,244	4,000	2,374	1,314	1,069
1981	Dry			851	1,203	886	970	1,257	1,813	1,583	746	338	195	221	580
1982	Wet			681	1,160	921	1,862	4,221	5,874	14,647	9,622	4,541	2,356	1,492	1,775
1983	Wet			1,684	5,177	11,197	14,233	17,664	22,797	13,906	13,974	18,260	11,028	2,570	1,705
1984	Above Normal			1,909	5,396	10,022	6,043	6,327	1,899	1,792	1,258	466	327	359	703
1985	Dry			812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet			669	1,133	915	815	11,828	13,251	5,080	5,207	3,304	984	1,179	1,232
1987	Critical			816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical			592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical			472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical			557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical			482	913	664	595	842	2,046	916	233	147	0	11	318
1992	Critical			476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet			390	866	721	3,073	2,259	2,542	1,859	1,671	3,144	1,594	1,184	1,127
1994	Critical			1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet			423	927	656	2,423	2,092	10,475	6,197	9,824	9,607	9,191	1,785	1,031
1996	Wet			697	1,218	840	1,432	5,231	4,294	2,482	2,240	463	461	1,001	984
1997	Wet			881	2,179	9,675	32,141	8,846	2,564	2,249	2,231	1,581	184	178	875
1998	Wet			628	1,119	814	2,665	13,014	6,322	7,551	8,215	11,954	9,055	1,586	1,280
1999	Above Normal			1,008	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal			540	1,031	729	882	4,929	3,299	2,366	1,680	419	197	195	563
2001	Dry			751	1,185	819	800	1,326	1,850	1,249	433	343	101	154	516
2002	Dry			469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal			447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	515	1,062	1,438	1,170	3,961	3,140	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,268	2,210	1,534	2,485	1,260	907	278	839	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,020	494	145	131	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	938	193	61	91	534
1927	Above Normal	503	1,312	918	848	2,868	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,505	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	890	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,377	2,382	2,814	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	9,168	4,061	2,331	2,977	952	696	982	949
1938	Wet	690	1,321	3,705	2,851	11,626	14,462	7,836	10,261	7,942	2,490	1,293	1,126
1939	Dry	1,238	1,382	874	869	1,429	1,810	1,071	890	283	93	126	632
1940	Above Normal	609	1,108	845	2,243	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,344	7,027	4,912	3,560	5,056	4,061	1,919	1,186	1,029
1942	Wet	1,048	1,357	2,203	2,523	3,186	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	3,787	3,286	6,517	2,798	1,611	658	502	1,022	977
1944	Below Normal	723	1,327	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	4,791	3,365	2,304	1,161	520	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	205	194	568
1947	Dry	778	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	3,712	3,170	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,413	2,683	6,068	3,452	6,289	4,375	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	3,991	6,782	4,667	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,226	7,655	5,359	4,251	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,475	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,423	1,561	1,707	2,840	1,543	701	327	335	788
1966	Below Normal	713	2,088	1,482	1,676	1,713	1,525	1,268	590	371	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,513	7,335	6,016	5,769	4,236	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	5,388	14,306	9,402	10,583	12,488	11,800	3,048	1,334	1,234
1970	Above Normal	1,133	1,277	935	5,392	2,453	2,757	1,631	1,156	519	293	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	282	242	534
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	2,557	1,791	3,038	2,566	2,485	590	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,171	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	983	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	742	802	1,986	4,325	4,935	6,368	3,990	5,547	2,704	1,380	1,927
1979	Above Normal	731	1,320	883	2,422	3,608	3,773	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	6,156	8,102	6,777	2,410	2,244	3,682	2,374	1,314	1,069
1981	Dry	851	1,234	886	970	1,257	1,813	1,584	746	338	194	221	580
1982	Wet	681	1,160	921	1,862	4,100	5,721	10,873	6,693	3,409	2,356	1,492	1,775
1983	Wet	1,684	4,076	10,078	13,274	17,467	22,670	13,738	13,804	17,167	11,004	2,570	1,705
1984	Above Normal	1,909	5,080	9,968	6,024	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	7,865	9,824	4,889	3,699	2,808	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,254	2,542	1,859	1,670	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,417	2,092	8,585	4,434	7,679	6,662	7,985	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,223	3,840	2,464	2,240	463	461	1,001	984
1997	Wet	881	2,131	7,097	25,280	7,644	2,564	2,238	1,932	1,581	184	178	760
1998	Wet	628	1,119	814	2,653	10,385	5,249	6,392	6,006	8,808	7,105	1,586	1,280
1999	Above Normal	1,061	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,811	3,212	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,248	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719		719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719		719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732		732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428		428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547		547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479		479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733		733	615	613	601	621	3,248	1,208	938	404	378	388	410
1929	Critical	547		547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459		459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457		457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424		424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736		736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482		482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435		435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733		733	609	597	593	674	3,472	3,236	1,433	660	647	565	582
1937	Wet	732		732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732		732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931		931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482		482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640		640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689		689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814		814	641	627	3,422	3,255	6,231	3,690	1,509	2,014	1,073	501	436
1944	Below Normal	753		753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526		526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684		684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660		660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480		480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519		519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525		525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513		513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461		461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680		680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460		460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468		468	385	420	702	365	481	845	794	438	338	352	341
1956	Wet	395		395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697		697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489		489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753		753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461		461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310		310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298		298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464		464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548		548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343		343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585		585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389		389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645		645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398		398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216		1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673		673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515		515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315		315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560		560	745	2,027	2,864	1,754	3,806	2,606	1,354	3,321	1,039	475	657
1975	Wet	1,068		1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352		1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284		284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217		217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393		393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609		609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743		743	775	519	693	579	779	867	743	316	321	348	341
1982	Wet	439		439	421	600	955	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175		3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941		941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743		743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334		334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169		1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242		242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194		194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215		215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214		214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210		210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213		213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581		581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230		230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758		758	451	430	538	5,666	4,888	2,771	2,678	3,078	794	483	533
1997	Wet	592		592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693		693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962		962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591		591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692		692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322		322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315		315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,207	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,474	3,274	1,433	660	611	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,720	1,494	1,999	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	368	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,617	1,349	3,316	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	866	743	316	321	348	341
1982	Wet	439	421	600	956	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,850	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,789	2,660	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,352	1,692	2,037	1,774	4,632	3,746	5,421	3,695	12,191	3,447	1,605	1,623
1923	Above Normal	1,564	1,915	2,905	4,441	4,211	2,398	5,571	2,710	1,563	900	1,485	1,839
1924	Critical	1,617	1,485	1,406	1,338	1,482	1,756	778	551	297	286	334	704
1925	Below Normal	935	1,495	1,220	1,135	2,421	2,272	3,748	2,749	1,018	569	599	1,044
1926	Dry	1,174	1,559	1,294	1,193	1,795	1,827	2,870	1,870	625	479	553	1,036
1927	Above Normal	1,097	1,761	1,370	1,305	3,388	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal	1,597	2,074	1,559	1,520	2,150	5,272	2,799	1,501	855	615	609	1,072
1929	Critical	1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical	970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical	898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal	876	1,381	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry	1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical	1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal	922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal	1,494	1,744	1,409	1,514	8,604	5,888	6,183	3,453	1,185	1,034	1,545	1,620
1937	Wet	1,832	1,818	1,509	2,207	14,261	9,350	7,014	7,218	1,637	1,294	1,534	1,633
1938	Wet	1,537	1,967	5,627	4,698	20,533	25,108	15,341	18,530	13,950	6,239	1,957	1,830
1939	Dry	2,198	2,060	1,478	1,463	2,334	3,232	1,932	1,742	722	521	599	1,148
1940	Above Normal	1,206	1,605	1,284	2,655	3,295	6,192	6,204	3,126	1,251	867	995	1,530
1941	Wet	1,463	1,673	3,124	3,613	13,919	9,811	8,168	7,138	5,546	4,522	1,891	1,680
1942	Wet	1,792	1,958	2,851	6,406	6,813	5,076	6,825	6,271	6,002	5,140	1,929	1,805
1943	Wet	1,674	2,214	1,918	9,317	6,662	14,541	6,808	3,349	2,729	1,743	1,612	1,517
1944	Below Normal	1,594	1,946	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	668	1,026
1945	Above Normal	1,257	1,798	1,326	1,372	8,860	7,336	4,666	2,673	1,113	1,743	1,720	1,592
1946	Above Normal	1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	877	1,249
1947	Dry	1,556	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	444	564	1,003
1948	Below Normal	1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal	1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	553	616	997
1950	Below Normal	1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal	1,227	2,154	11,476	7,838	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet	1,177	1,542	1,737	5,393	3,459	10,357	9,362	14,342	10,539	5,899	2,025	1,832
1953	Below Normal	1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	748	701	1,037
1954	Below Normal	1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,724	937	611	641	1,031
1955	Dry	1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet	1,041	1,484	6,092	17,719	9,177	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal	1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet	1,304	1,472	1,296	1,494	3,011	9,563	15,319	12,611	9,899	4,632	1,990	1,942
1959	Dry	1,593	1,616	1,390	1,413	2,599	2,765	2,344	1,701	677	508	579	1,140
1960	Critical	1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical	761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal	800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal	1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,118	1,261	937	856	1,279
1964	Dry	1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet	1,082	1,427	1,985	7,346	5,105	4,774	6,070	2,784	1,117	927	1,119	1,655
1966	Below Normal	1,414	2,580	3,592	2,781	3,757	2,647	2,109	1,362	670	526	540	903
1967	Wet	1,016	1,355	1,875	1,751	1,847	5,121	13,193	12,341	13,951	12,634	2,278	2,083
1968	Dry	1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet	1,038	1,520	1,295	8,849	21,587	16,230	17,946	22,182	21,658	6,938	1,885	1,850
1970	Above Normal	2,460	2,039	2,083	11,398	5,039	5,920	3,060	2,507	867	777	731	1,164
1971	Below Normal	1,415	1,620	1,579	1,524	1,672	2,997	2,969	2,323	925	659	668	1,041
1972	Dry	1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal	978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet	1,808	2,359	3,728	6,169	3,546	6,878	5,305	3,942	3,973	2,020	1,684	1,834
1975	Wet	2,118	2,290	1,657	1,360	5,808	6,901	4,768	3,307	5,171	2,545	1,798	1,690
1976	Critical	2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical	812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet	681	1,042	1,053	2,418	6,113	6,819	10,540	8,167	11,335	3,181	1,917	2,474
1979	Above Normal	1,241	2,031	1,495	3,468	7,356	8,246	4,437	7,387	1,086	923	1,503	1,547
1980	Wet	1,691	1,910	1,713	11,739	18,639	11,711	4,891	4,441	9,123	5,946	1,971	1,871
1981	Dry	1,711	2,006	1,406	1,664	1,867	2,623	2,538	1,572	700	560	647	1,019
1982	Wet	1,237	1,581	1,522	2,818	10,899	11,498	23,940	16,091	9,443	6,099	2,176	4,255
1983	Wet	4,980	8,330	16,538	19,516	24,390	38,925	19,077	21,966	22,643	17,358	5,528	3,899
1984	Above Normal	2,968	10,882	17,499	10,213	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry	1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet	1,120	1,496	1,272	1,099	14,502	21,309	8,086	8,552	7,044	1,686	1,805	1,998
1987	Critical	2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	402	813
1988	Critical	857	1,319	1,051	1,051	1,236	1,490	953	764	361	160	251	687
1989	Critical	686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical	796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical	717	1,179	887	803	1,102	2,520	1,400	808	274	140	209	514
1992	Critical	710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet	626	1,101	939	3,854	2,741	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical	1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet	677	1,146	879	2,941	2,245	18,465	11,008	19,443	14,781	17,595	3,657	1,928
1996	Wet	1,573	1,697	1,271	1,971	10,899	9,216	5,341	5,029	3,594	1,310	1,570	1,620
1997	Wet	1,591	2,705	15,970	49,876	12,565	5,392	3,557	3,569	2,118	741	752	1,465
1998	Wet	1,438	1,457	1,246	3,606	20,288	11,420	11,512	13,886	19,029	15,856	2,196	1,947
1999	Above Normal	2,090	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	859	1,227
2000	Above Normal	1,246	1,500	1,073	1,316	8,852	7,050	4,502	3,360	2,228	734	967	1,385
2001	Dry	1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry	906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal	876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Alternative 3 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			1,352	1,692	2,037	1,774	4,646	3,773	5,421	3,695	12,190	3,447	1,605	1,623
1923	Above Normal			1,564	1,915	2,905	4,247	4,169	2,398	5,571	2,710	1,562	899	1,484	1,839
1924	Critical			1,617	1,485	1,406	1,338	1,482	1,756	778	552	297	287	334	704
1925	Below Normal			936	1,495	1,220	1,135	2,421	2,272	3,748	2,748	1,017	567	597	1,043
1926	Dry			1,173	1,559	1,294	1,193	1,795	1,827	2,871	1,870	626	481	554	1,036
1927	Above Normal			1,097	1,761	1,370	1,305	3,387	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal			1,597	2,074	1,559	1,520	2,150	5,272	2,800	1,501	855	615	609	1,072
1929	Critical			1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical			970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical			898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal			876	1,327	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry			1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	727	449	507	875
1934	Critical			1,072	1,415	1,216	1,230	1,730	1,783	982	814	378	287	333	711
1935	Above Normal			922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	888	823	1,226
1936	Above Normal			1,494	1,744	1,409	1,514	8,052	5,889	6,182	3,453	1,185	997	1,545	1,620
1937	Wet			1,832	1,818	1,509	2,207	12,951	8,564	5,874	4,542	1,637	1,294	1,534	1,633
1938	Wet			1,537	1,967	5,627	4,464	18,738	22,282	13,372	15,782	12,412	6,239	1,957	1,830
1939	Dry			2,288	2,060	1,478	1,463	2,334	3,232	1,932	1,741	721	519	598	1,148
1940	Above Normal			1,205	1,605	1,284	2,677	3,294	6,192	6,204	3,126	1,252	868	996	1,531
1941	Wet			1,463	1,673	3,124	3,612	12,039	9,839	8,168	6,366	5,392	4,521	1,890	1,680
1942	Wet			1,855	1,958	2,851	5,802	6,622	5,076	6,825	6,271	6,002	5,139	1,929	1,805
1943	Wet			1,674	2,214	1,918	7,210	6,544	12,750	6,619	3,207	2,714	1,634	1,611	1,517
1944	Below Normal			1,594	1,938	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	667	1,026
1945	Above Normal			1,257	1,798	1,326	1,372	7,311	7,336	4,666	2,673	1,112	1,743	1,720	1,591
1946	Above Normal			1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	876	1,249
1947	Dry			1,555	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	445	564	1,003
1948	Below Normal			1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal			1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	554	616	997
1950	Below Normal			1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal			1,227	2,154	8,509	6,930	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet			1,177	1,542	1,737	5,260	3,498	9,910	8,155	11,460	8,843	5,899	2,025	1,832
1953	Below Normal			1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	747	701	1,037
1954	Below Normal			1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,725	937	612	641	1,031
1955	Dry			1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet			1,041	1,484	4,432	13,953	8,835	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal			1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet			1,304	1,472	1,296	1,494	3,011	9,011	13,865	10,355	9,389	4,631	1,989	1,942
1959	Dry			1,593	1,616	1,390	1,413	2,599	2,765	2,346	1,701	677	508	579	1,140
1960	Critical			1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical			761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal			800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal			1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,117	1,261	937	856	1,279
1964	Dry			1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet			1,082	1,427	1,985	7,221	5,105	4,774	6,069	2,784	1,116	926	1,118	1,654
1966	Below Normal			1,414	2,580	3,592	2,781	3,757	2,647	2,110	1,361	670	525	539	903
1967	Wet			1,016	1,355	1,875	1,751	1,847	5,120	11,950	10,026	12,315	10,805	2,278	2,083
1968	Dry			1,748	1,584	1,274	1,292	1,827	2,430	1,739	755	598	653	1,040	1,400
1969	Wet			1,038	1,520	1,295	6,854	19,763	13,335	15,783	19,379	19,395	6,924	1,885	1,850
1970	Above Normal			2,469	2,039	2,083	11,387	5,039	5,863	3,060	2,507	867	777	731	1,164
1971	Below Normal			1,415	1,620	1,579	1,524	1,672	2,969	2,323	2,969	925	659	668	1,041
1972	Dry			1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal			978	1,655	1,412	1,662	4,382	3,842	4,181	3,822	1,801	1,118	1,695	1,675
1974	Wet			1,808	2,359	3,728	5,421	3,546	6,878	5,283	3,936	3,967	2,019	1,683	1,834
1975	Wet			2,118	2,290	1,657	1,360	5,807	6,861	4,768	3,307	5,172	2,545	1,798	1,690
1976	Critical			2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical			812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet			681	1,013	1,053	2,418	4,875	5,515	7,905	5,490	8,453	3,179	1,916	2,473
1979	Above Normal			1,241	2,031	1,495	3,468	7,265	8,080	4,437	7,388	1,086	923	1,503	1,547
1980	Wet			1,691	1,910	1,713	9,228	14,863	10,610	4,892	4,441	8,805	5,945	1,970	1,871
1981	Dry			1,711	2,037	1,406	1,664	1,867	2,623	2,538	1,572	699	559	646	1,019
1982	Wet			1,237	1,581	1,522	2,818	10,778	11,346	20,165	13,162	8,311	6,099	2,176	4,255
1983	Wet			4,980	7,229	15,419	18,556	24,193	38,798	18,909	21,795	22,077	17,334	5,528	3,899
1984	Above Normal			2,968	10,567	17,445	10,194	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry			1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet			1,120	1,496	1,272	1,099	10,539	17,882	7,895	7,045	6,548	1,686	1,805	1,998
1987	Critical			2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	401	813
1988	Critical			857	1,319	1,051	1,051	1,236	1,489	953	764	361	160	251	687
1989	Critical			686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical			796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical			717	1,179	887	803	1,102	2,520	1,400	808	274	139	209	514
1992	Critical			710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet			626	1,101	939	3,854	2,736	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical			1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet			677	1,146	879	2,935	2,245	16,575	9,244	17,297	11,835	16,386	3,655	1,927
1996	Wet			1,572	1,697	1,271	1,971	10,891	8,762	5,341	5,012	3,594	1,310	1,570	1,620
1997	Wet			1,591	2,657	13,393	43,016	11,363	5,392	3,554	3,269	2,118	741	752	1,350
1998	Wet			1,438	1,457	1,246	3,595	17,659	10,347	10,352	11,677	15,881	13,905	2,195	1,946
1999	Above Normal			2,143	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	860	1,227
2000	Above Normal			1,246	1,500	1,073	1,316	8,735	6,963	4,502	3,360	2,228	734	967	1,385
2001	Dry			1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry			906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal			876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	409	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,038	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,306
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	414	411	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	441	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	725	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,561	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,209	1,375	1,424	678	586	1,244
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,708	1,284	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,712	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,164	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	407	372	394
1982	Wet	951	263	291	387	2,141	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	408	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	430	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	406	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	721	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,060	750	907	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,284
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	413	410	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	442	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	724	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,560	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,211	1,375	1,424	678	586	1,242
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,709	1,283	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,713	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,163	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	406	372	394
1982	Wet	951	263	291	387	2,142	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)
Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,674	6,916	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,199	5,884	4,555	8,178	5,688	3,704	2,308	2,475	2,826
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,782	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,909	3,154	6,524	5,811	2,389	1,632	1,543	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,387	2,524	4,590	3,403	1,684	1,396	1,475	1,923
1927	Above Normal			2,310	2,481	2,056	2,100	4,105	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,226	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,857	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal			2,704	2,374	2,004	2,255	9,773	7,735	8,256	5,703	2,734	2,162	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	15,063	11,257	9,074	9,802	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,989	22,091	30,573	19,083	23,003	16,654	8,681	3,186	3,742
1939	Dry			3,884	2,946	2,284	2,426	3,053	3,836	3,890	3,511	1,646	1,423	1,535	2,062
1940	Above Normal			2,573	2,187	1,819	3,283	4,069	9,454	9,197	6,018	3,136	1,924	1,948	2,480
1941	Wet			2,890	2,378	3,909	4,589	15,152	13,633	11,281	11,335	8,124	6,419	2,937	2,678
1942	Wet			3,282	2,914	3,758	7,510	8,313	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,860	12,585	9,730	19,983	10,027	6,557	4,936	2,933	2,734	2,636
1944	Below Normal			3,163	2,804	2,347	2,392	3,217	3,847	5,291	4,208	2,300	1,621	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	9,767	10,149	7,006	5,714	3,140	3,064	2,793	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,872	1,854	2,176
1947	Dry			2,927	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	13,706	12,214	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,183	4,533	13,413	12,654	18,383	13,273	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,586	1,944	1,638	1,973
1954	Below Normal			2,571	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,591	3,454	2,757	1,717	1,401	1,310	1,425	1,791
1956	Wet			2,164	1,984	7,433	20,580	11,760	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,398	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	12,169	19,197	15,958	12,255	6,064	3,107	3,678
1959	Dry			3,137	2,423	2,175	2,281	4,061	3,561	4,365	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,313	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,586	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,940	6,458	5,829	8,558	5,218	2,985	1,935	2,139	2,612
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,407	2,769	1,580	1,399	1,358	1,686
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,512	16,042	15,499	16,178	15,023	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	9,639	24,219	21,599	21,738	25,964	25,803	9,851	4,226	4,041
1970	Above Normal			4,083	2,964	3,540	16,875	8,731	8,648	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	6,629	4,584	8,915	7,742	5,731	5,832	3,391	2,823	2,863
1975	Wet			3,661	3,086	2,478	2,348	6,465	8,980	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,359	1,279	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,484	1,500	3,086	6,714	8,120	13,545	11,698	12,675	4,351	2,890	3,354
1979	Above Normal			2,759	2,981	2,355	4,075	8,238	9,502	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	12,348	19,970	16,637	7,081	7,307	11,321	7,287	3,173	2,763
1981	Dry			3,395	2,885	2,045	2,240	2,478	3,434	4,580	3,656	1,711	1,505	1,446	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,458	15,884	28,326	19,415	11,929	8,432	4,669	7,487
1983	Wet			7,323	11,331	21,068	26,611	32,173	48,957	23,465	26,046	28,311	24,310	9,136	7,934
1984	Above Normal			4,879	16,567	24,066	15,447	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	15,427	27,272	12,254	11,543	9,576	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,995	1,138	847	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,842	3,822	3,815	3,770	8,155	4,318	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,700	3,427	20,103	13,128	22,852	16,328	19,518	4,764	2,947
1996	Wet			3,256	2,722	2,116	2,699	11,541	11,123	8,095	7,543	5,683	2,521	2,598	2,753
1997	Wet			3,203	3,640	18,846	60,096	23,048	10,630	5,981	6,306	4,009	1,896	2,023	2,824
1998	Wet			3,061	2,183	2,015	4,204	22,462	15,034	14,667	16,729	20,588	19,724	5,596	4,854
1999	Above Normal			4,520	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,918	2,037	2,376	2,762
2000	Above Normal			2,852	2,308	1,692	2,229	9,455	9,454	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal			1,889	1,850	1,854	1,7								

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Alternative 3 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,689	6,943	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,005	5,842	4,555	8,178	5,688	3,703	2,307	2,474	2,825
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,783	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,910	3,154	6,524	5,810	2,388	1,629	1,541	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,386	2,524	4,591	3,404	1,686	1,398	1,477	1,924
1927	Above Normal			2,310	2,481	2,056	2,100	4,104	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,228	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,803	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,683	1,673	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,769	1,251	1,126	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,063	1,757	2,123
1936	Above Normal			2,704	2,374	2,004	2,255	9,221	7,737	8,254	5,703	2,734	2,125	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	13,753	10,470	7,957	7,126	3,439	2,415	2,478	2,528
1938	Wet			2,796	2,647	6,564	5,755	20,297	27,747	17,115	20,255	15,133	8,681	3,186	3,720
1939	Dry			3,973	2,946	2,284	2,426	3,053	3,836	3,890	3,510	1,644	1,421	1,533	2,061
1940	Above Normal			2,573	2,187	1,819	3,306	4,069	9,455	9,198	6,017	3,137	1,925	1,949	2,480
1941	Wet			2,891	2,378	3,909	4,589	13,272	13,661	11,280	10,564	7,971	6,418	2,937	2,678
1942	Wet			3,345	2,914	3,758	6,907	8,121	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,861	10,478	9,611	18,192	9,838	6,415	4,921	2,824	2,733	2,636
1944	Below Normal			3,163	2,797	2,347	2,392	3,217	3,847	5,291	4,207	2,300	1,620	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	8,218	10,149	7,006	5,713	3,139	3,063	2,792	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,871	1,854	2,176
1947	Dry			2,926	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	10,739	11,306	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,049	4,572	12,966	11,447	15,501	11,577	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,585	1,943	1,638	1,972
1954	Below Normal			2,570	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,310	2,591	3,454	2,757	1,717	1,401	1,424	1,791
1956	Wet			2,164	1,984	5,773	16,814	11,418	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,399	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	11,616	17,745	13,702	11,746	6,062	3,106	3,676
1959	Dry			3,136	2,423	2,175	2,281	4,061	3,561	4,367	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,312	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,587	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,815	6,458	5,829	8,558	5,218	2,984	1,934	2,138	2,611
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,409	2,769	1,580	1,398	1,588	1,685
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,511	14,800	13,184	14,543	13,194	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	7,644	22,395	18,703	19,575	23,161	23,556	9,837	4,226	4,041
1970	Above Normal			4,092	2,964	3,540	16,865	8,731	8,590	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	5,881	4,584	8,915	7,720	5,726	5,825	3,390	2,822	2,862
1975	Wet			3,661	3,085	2,478	2,348	6,465	8,940	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,358	1,278	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,455	1,500	3,086	5,476	6,816	10,910	9,021	9,792	4,349	2,888	3,353
1979	Above Normal			2,759	2,981	2,355	4,075	8,147	9,336	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	9,837	16,194	15,536	7,081	7,306	11,003	7,287	3,173	2,763
1981	Dry			3,395	2,916	2,045	2,240	2,478	3,434	4,580	3,656	1,710	1,504	1,445	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,338	15,732	24,552	16,486	10,797	8,432	4,669	7,487
1983	Wet			7,323	10,230	19,949	25,651	31,976	48,831	23,297	25,875	27,764	24,287	9,136	7,934
1984	Above Normal			4,879	16,251	24,011	15,427	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	11,464	23,845	12,063	10,036	9,080	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,994	1,138	846	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,837	3,822	3,815	3,770	8,155	4,317	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,694	3,427	18,213	11,364	20,706	13,382	18,309	4,762	2,946
1996	Wet			3,256	2,721	2,116	2,699	11,533	10,669	8,095	7,525	5,683	2,521	2,598	2,753
1997	Wet			3,203	3,592	16,269	53,235	21,846	10,630	5,978	6,006	4,008	1,895	2,022	2,709
1998	Wet			3,061	2,183	2,015	4,193	19,832	13,961	13,507	14,520	17,441	17,773	5,596	4,853
1999	Above Normal			4,573	3,549	3,327	5,185	11,795	7,998	6,847	5,282	3,277	1,919	2,037	2,376
2000	Above Normal			2,852	2,308	1,692	2,229	9,338	9,367	6,662	5,669	4,057	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal														

Simulated Exports Through Jones Pumping Plant (Node D418)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,600	4,600	4,600	3,559	3,216	4,510	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,055	4,263	4,270	3,572	4,430	3,040	1,016	800	3,387	4,600	4,100	4,600
1924	Critical	4,600	4,592	3,823	3,359	2,175	800	966	854	384	800	1,272	2,773
1925	Dry	3,098	1,214	3,996	3,197	2,382	2,624	1,080	959	3,035	4,408	3,764	3,431
1926	Dry	3,652	4,011	3,396	3,213	1,775	800	1,135	800	2,390	3,510	2,935	3,926
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,330	3,643
1928	Above Normal	2,926	4,092	4,600	3,440	2,182	4,288	863	800	2,558	3,900	4,600	4,252
1929	Critical	3,124	2,711	4,600	3,298	3,317	2,413	800	800	683	2,130	4,600	3,142
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,376	2,407	2,972
1931	Critical	3,211	3,300	3,177	3,184	3,622	1,224	800	800	390	600	1,239	2,870
1932	Dry	3,082	2,244	4,600	3,423	4,120	1,037	800	800	713	800	3,134	4,600
1933	Critical	3,157	2,907	4,072	3,895	1,739	1,397	800	800	579	800	4,525	4,287
1934	Critical	3,222	2,272	2,682	587	844	1,023	800	800	451	600	1,240	2,703
1935	Below Normal	2,794	3,225	4,204	3,511	2,922	2,500	850	800	3,017	3,455	1,875	4,478
1936	Below Normal	4,229	3,780	4,250	2,216	1,575	2,135	1,026	800	2,761	4,324	3,158	4,600
1937	Below Normal	4,241	4,200	4,044	2,264	1,151	1,126	1,129	1,218	1,451	3,296	2,512	4,600
1938	Wet	3,492	4,600	3,537	830	936	2,075	2,380	4,313	4,600	4,600	4,600	4,490
1939	Dry	3,905	800	4,600	3,398	4,322	1,774	800	800	448	4,600	3,436	4,359
1940	Above Normal	3,507	3,781	2,379	2,590	3,327	4,600	1,144	800	2,743	3,963	4,284	3,511
1941	Wet	3,288	3,132	4,248	3,993	4,600	4,600	1,405	1,410	3,950	4,600	4,600	4,600
1942	Wet	3,462	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,752	4,600	3,940	4,600	4,600	4,600	1,248	812	3,710	4,600	4,600	4,600
1944	Dry	3,666	4,488	4,269	3,399	3,692	2,466	873	800	1,868	4,244	2,859	3,263
1945	Below Normal	3,517	4,600	3,965	3,409	4,109	4,254	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,441	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,559	4,600	4,325	4,099	3,534	1,341	1,008	800	1,711	4,600	3,447	4,127
1948	Below Normal	3,626	4,467	3,549	2,022	800	2,530	800	800	2,681	3,804	4,600	4,600
1949	Dry	4,600	4,422	4,273	3,214	3,324	1,941	800	800	1,734	4,600	4,053	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,247	4,600	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,282	1,202	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,598	3,951	4,600	1,576	2,291	4,600	4,600	4,600	4,600
1953	Wet	3,341	4,476	4,600	3,168	3,884	3,708	847	800	1,938	4,600	4,600	4,600
1954	Above Normal	2,579	4,446	4,057	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,332	4,528	4,600	3,565	3,628	2,507	851	800	583	4,600	4,046	4,600
1956	Wet	3,368	4,095	4,600	4,600	4,600	1,840	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	3,997	2,395	1,989	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,456	2,168	3,070	3,287	1,078	857	1,664	4,584	4,600	3,542
1960	Dry	3,689	3,508	3,650	3,185	2,240	2,432	800	1,222	1,522	4,069	2,879	4,408
1961	Dry	3,617	4,164	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600
1962	Below Normal	3,450	3,997	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,222
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,887
1964	Dry	3,338	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,436
1967	Wet	3,889	3,784	3,806	3,725	3,622	4,483	2,000	1,930	4,600	4,600	4,600	4,566
1968	Below Normal	4,090	2,298	4,600	3,384	2,282	3,528	800	968	1,661	4,600	4,600	3,601
1969	Wet	4,071	4,016	4,600	4,435	4,502	1,992	2,711	4,005	4,600	4,600	4,600	4,143
1970	Wet	4,021	800	4,112	4,600	3,355	2,511	800	800	1,844	4,107	4,600	4,115
1971	Wet	3,557	2,595	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,905	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	2,657
1974	Wet	4,600	4,600	4,414	4,425	3,930	3,644	962	800	3,432	4,600	4,600	4,600
1975	Wet	4,374	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	3,983	4,600	3,724	4,600	2,947	1,294	800	439	2,590	980	1,720
1977	Critical	2,704	3,696	3,066	2,959	3,518	800	800	800	185	600	4,065	1,574
1978	Above Normal	2,408	1,592	2,921	2,880	4,600	4,600	1,688	1,456	4,600	4,600	4,600	4,600
1979	Below Normal	3,885	3,953	4,395	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,600	3,011	4,600	4,600	4,206	1,841	879	905	4,450	4,600	4,600	2,470
1981	Dry	4,180	4,600	4,600	3,391	3,394	2,923	1,134	898	1,648	4,600	3,913	4,600
1982	Wet	4,562	4,600	3,662	3,848	4,600	3,753	2,735	2,420	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	1,978	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,770	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,175	1,526	1,435	3,905	4,600	4,600	800
1987	Dry	2,980	1,618	4,324	3,296	3,360	2,351	800	800	1,631	4,486	2,815	3,262
1988	Critical	4,540	3,902	3,319	2,335	800	800	1,018	800	351	3,107	4,432	1,893
1989	Dry	2,748	2,941	3,077	3,172	1,125	1,207	1,130	815	2,355	4,600	2,444	4,378
1990	Critical	3,222	3,351	3,912	3,080	2,180	1,023	800	915	241	3,017	3,916	1,622
1991	Critical	3,262	2,939	2,921	800	1,931	1,276	1,021	856	1,069	2,201	3,685	2,127
1992	Critical	1,974	3,286	1,916	1,833	1,696	2,393	800	800	1,445	4,600	4,581	1,360
1993	Above Normal	1,925	2,681	3,426	3,138	4,136	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,467	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,546	4,141	3,450	2,992	3,630	4,600	1,635	4,337	4,600	4,600	4,600	4,600
1996	Wet	2,830	2,165	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600
1997	Wet	3,054	4,600	4,600	4,600	4,600	3,563	800	800	3,167	4,334	4,600	4,600
1998	Wet	3,194	2,628	4,600	3,006	4,600	4,600	1,827	2,083	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,042	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,911
2000	Above Normal	2,539	4,600	3,862	2,220	4,600	4,600	827	800	3,287	3,093	4,600	4,600
2001	Dry	2,798	4,600	3,966	3,464	3,050	2,973	1,002	800	1,617	4,600	3,161	3,459
2002	Dry	4,105	3,222	3,914	2,649	2,586	2,604	800	800	1,672	4,600	4,600	3,967
2003	Above Normal	4,197	4,389	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,681

Simulated Exports Through Jones Pumping Plant (Node D418)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,600	4,600	4,600	3,559	3,219	4,517	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,166	4,600	4,270	3,522	4,248	3,044	1,016	800	3,053	4,600	3,986	4,600
1924	Critical	4,600	4,079	3,320	3,799	2,175	800	966	854	385	800	1,560	2,778
1925	Dry	3,097	1,214	3,997	3,197	2,382	2,625	1,080	959	2,698	4,362	3,911	3,356
1926	Dry	3,659	4,270	3,398	3,213	1,775	800	1,135	833	2,391	3,882	1,687	3,988
1927	Wet	3,593	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,413	3,621
1928	Above Normal	2,952	4,078	4,600	3,440	2,182	4,288	863	800	2,558	3,888	4,600	4,271
1929	Critical	3,125	2,732	4,600	3,298	3,317	2,416	800	800	683	2,126	4,600	3,150
1930	Dry	3,371	2,735	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,383	2,406	2,976
1931	Critical	3,209	3,296	3,175	3,184	3,622	1,226	800	800	390	600	1,239	2,869
1932	Dry	3,081	2,244	4,600	3,423	4,139	1,035	800	800	713	800	3,128	4,600
1933	Critical	4,219	3,666	4,073	2,666	1,137	1,397	800	800	579	800	4,497	4,070
1934	Critical	3,279	2,107	2,807	572	826	1,024	800	800	451	600	1,240	2,704
1935	Below Normal	2,177	3,231	4,039	3,511	2,922	2,500	850	800	3,016	3,448	1,870	4,477
1936	Below Normal	4,228	3,777	4,248	2,216	2,283	2,239	1,026	800	2,761	4,336	3,157	4,600
1937	Below Normal	4,600	4,201	4,190	2,950	1,152	1,698	989	883	966	3,317	2,510	4,600
1938	Wet	3,491	4,600	4,600	1,801	1,018	2,630	2,134	2,525	4,600	4,600	4,600	4,490
1939	Dry	3,924	1,066	4,600	3,398	4,322	1,774	800	860	448	4,600	3,235	4,259
1940	Above Normal	3,866	3,789	2,380	2,596	3,327	4,600	1,144	800	2,743	3,961	4,600	3,954
1941	Wet	3,294	2,954	4,248	3,993	4,600	4,600	1,405	1,313	3,916	4,600	4,600	4,600
1942	Wet	3,476	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,751	4,600	3,940	4,600	4,600	4,600	1,224	800	4,077	4,600	4,600	4,600
1944	Dry	3,665	4,600	4,259	3,399	3,692	2,466	873	800	1,868	4,150	2,763	3,252
1945	Below Normal	3,516	4,600	3,965	3,409	3,709	4,600	870	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,107	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,557	4,600	4,322	4,099	3,534	1,341	1,008	800	1,711	4,600	3,410	4,100
1948	Below Normal	3,638	4,467	3,547	2,022	800	2,530	800	800	2,681	3,812	4,600	4,600
1949	Dry	4,600	4,422	4,272	3,214	3,323	1,941	800	800	1,734	4,600	4,054	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,249	4,256	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,275	1,540	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,563	3,961	4,600	1,426	1,930	4,600	4,600	4,600	4,600
1953	Wet	3,300	4,600	4,600	2,717	3,884	3,708	847	800	1,937	4,600	4,600	4,600
1954	Above Normal	2,581	4,349	4,058	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,341	4,534	4,600	3,565	3,628	2,507	851	800	583	4,600	4,038	4,600
1956	Wet	3,367	4,100	4,600	4,600	4,600	2,258	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	4,552	2,214	1,707	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,455	2,168	3,070	3,423	1,078	857	1,664	4,584	4,600	3,524
1960	Dry	3,691	3,509	3,648	3,185	2,240	2,432	800	1,222	1,522	4,069	2,869	4,411
1961	Dry	3,616	4,160	4,600	3,291	2,049	3,302	800	802	352	4,600	3,435	4,600
1962	Below Normal	3,450	3,998	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,223
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,853
1964	Dry	3,351	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,378
1967	Wet	3,888	3,784	3,806	3,725	3,622	4,482	1,845	1,641	4,600	4,600	4,600	4,600
1968	Below Normal	4,030	4,554	4,600	3,384	2,282	3,528	868	968	1,661	4,600	4,600	3,601
1969	Wet	4,070	4,041	4,600	3,920	4,600	1,992	2,441	4,266	4,600	4,600	4,600	4,326
1970	Wet	4,014	800	4,112	4,600	3,090	2,527	800	800	1,844	4,113	4,600	4,077
1971	Wet	3,573	2,597	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,351
1972	Below Normal	3,542	2,693	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,055
1973	Above Normal	3,903	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	3,774
1974	Wet	3,932	4,600	4,414	4,232	3,930	4,600	959	800	3,430	4,600	4,600	4,600
1975	Wet	4,371	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	4,003	4,600	3,725	4,600	2,947	1,294	800	439	2,624	986	1,721
1977	Critical	2,665	3,691	3,060	2,953	3,512	800	800	800	185	600	4,052	1,574
1978	Above Normal	2,413	1,580	2,926	2,880	4,333	4,440	1,359	1,121	4,496	4,600	4,600	4,600
1979	Below Normal	3,879	4,600	4,414	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,409	3,165	4,600	4,247	4,600	1,826	879	905	4,393	4,600	4,600	3,691
1981	Dry	3,746	3,867	4,600	3,391	3,394	2,472	1,134	898	1,648	4,600	3,907	4,506
1982	Wet	4,562	4,600	3,662	3,848	4,600	4,308	2,735	2,054	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	3,158	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,792	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,481	1,502	1,246	3,819	4,600	4,600	800
1987	Dry	2,982	1,936	4,319	3,296	3,360	2,351	800	800	1,631	4,446	2,767	3,258
1988	Critical	4,541	3,902	3,319	2,335	800	800	1,018	800	351	3,066	4,426	1,902
1989	Dry	2,749	2,941	3,072	3,172	1,124	1,207	1,130	815	2,355	4,600	2,462	4,375
1990	Critical	3,221	3,349	3,911	3,080	2,179	1,023	800	915	241	3,018	3,919	1,623
1991	Critical	3,261	2,941	2,919	800	1,932	1,276	1,021	856	1,069	2,169	3,702	2,125
1992	Critical	1,973	3,288	1,917	1,822	1,696	2,393	800	800	1,445	4,600	4,580	1,356
1993	Above Normal	1,925	2,679	3,425	3,138	4,135	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,453	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,547	4,141	3,450	2,990	3,630	4,600	1,414	2,580	4,600	4,600	4,600	4,600
1996	Wet	2,828	3,716	3,774	2,814	4,600	4,600	1,005	932	3,353	4,600	4,600	4,600
1997	Wet	3,053	4,600	4,600	4,600	4,600	3,789	800	800	3,213	3,587	4,600	4,600
1998	Wet	3,279	2,477	4,600	3,003	4,600	4,600	1,682	1,806	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,041	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,844
2000	Above Normal	2,582	4,600	3,869	2,220	4,600	4,600	827	800	3,287	3,096	4,600	4,600
2001	Dry	2,794	4,600	4,063	3,464	3,050	2,973	1,002	800	1,617	4,600	3,102	3,460
2002	Dry	4,105	3,221	3,914	2,649	2,585	2,604	800	800	1,672	4,600	4,600	3,940
2003	Above Normal	4,197	4,393	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,685

Simulated Exports Through Banks Pumping Plant (Node D419)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,959	5,601	7,186	3,559	3,216	4,510	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,055	3,867	4,270	3,572	4,120	2,868	1,016	700	2,628	7,005	7,180	6,680
1924	Critical	4,494	3,129	2,819	3,039	2,175	300	300	656	300	6,690	300	574
1925	Dry	2,268	2,888	3,996	3,197	2,382	4,289	1,080	959	2,368	7,180	4,672	6,680
1926	Dry	2,996	2,712	2,755	3,213	1,775	300	1,135	866	2,390	6,915	4,312	3,523
1927	Wet	1,492	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,235	3,300	7,103	3,440	2,182	4,288	863	700	2,558	6,567	6,748	6,680
1929	Critical	3,586	2,505	4,682	3,298	3,317	2,874	1,605	1,136	300	300	316	826
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,267	300	450
1932	Dry	993	1,525	7,175	3,423	4,090	4,058	300	700	300	7,005	5,332	2,384
1933	Critical	2,177	1,906	2,174	2,672	4,862	1,634	753	700	300	2,025	505	882
1934	Critical	1,045	1,167	4,041	5,971	4,237	1,531	300	773	300	677	323	514
1935	Below Normal	1,450	3,225	3,776	3,511	2,838	2,500	850	700	2,311	7,005	7,180	6,680
1936	Below Normal	3,838	2,803	3,070	2,216	8,437	7,201	1,026	700	2,761	7,005	7,180	6,459
1937	Below Normal	4,600	2,742	6,488	5,008	8,500	6,244	1,129	1,218	4,366	7,005	5,994	3,132
1938	Wet	4,968	6,680	6,090	7,618	6,858	6,581	2,380	6,177	6,680	7,005	7,180	4,619
1939	Dry	3,905	1,309	6,112	3,398	2,732	1,774	512	921	300	6,829	5,538	6,830
1940	Above Normal	2,018	1,039	3,390	2,590	3,327	5,688	1,144	700	2,743	6,612	6,680	6,680
1941	Wet	3,288	2,113	4,248	3,993	8,500	7,561	1,405	1,410	3,950	7,005	7,180	6,201
1942	Wet	3,462	1,625	4,209	4,978	5,168	4,938	1,188	1,157	3,865	7,005	7,180	5,712
1943	Wet	3,752	2,359	3,940	5,895	6,045	7,561	1,248	812	2,761	6,797	7,180	6,448
1944	Dry	3,666	1,151	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,561	2,612
1945	Below Normal	2,064	6,680	3,965	3,409	4,109	6,583	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,620	6,680	5,642	4,135	2,986	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,193	4,877	4,325	2,839	3,534	1,341	1,008	700	1,711	6,929	5,855	6,680
1948	Below Normal	4,234	3,527	2,269	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,613	2,682	4,273	3,214	3,324	1,941	700	700	1,734	6,915	5,839	6,680
1950	Below Normal	1,652	1,914	2,198	2,232	2,589	3,445	700	700	2,101	7,005	7,180	6,680
1951	Above Normal	5,711	6,680	7,678	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,809	3,933	4,598	3,951	7,561	1,576	2,291	5,777	6,680	7,180	5,792
1953	Wet	3,341	1,950	7,104	3,168	3,884	3,708	847	728	1,938	7,005	7,180	6,680
1954	Above Normal	2,579	796	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,332	3,826	7,027	3,565	3,018	2,402	851	700	300	6,929	3,609	5,309
1956	Wet	1,947	3,880	5,996	8,500	6,716	6,484	852	930	4,244	7,005	7,180	5,673
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,395	1,989	5,277	7,005	7,180	6,680
1959	Below Normal	3,768	2,611	7,078	2,168	3,070	3,843	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	4,011	2,760	2,348	3,185	2,240	2,432	300	1,222	1,522	6,915	5,965	6,922
1961	Dry	1,436	4,164	6,989	3,291	2,049	3,302	758	802	85	7,077	3,426	2,914
1962	Below Normal	853	2,679	2,928	2,483	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,053	3,400	2,737	2,177	700	700	300	6,915	4,220	6,698
1965	Wet	2,927	3,011	3,905	5,512	4,366	4,221	1,064	700	2,832	7,005	7,180	6,561
1966	Below Normal	3,269	5,350	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,379	3,784	3,806	3,725	3,622	4,483	2,000	1,930	6,680	6,970	7,180	6,680
1968	Below Normal	4,090	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,778	4,016	7,046	4,435	3,771	3,852	2,711	4,346	6,680	6,680	6,680	4,468
1970	Wet	4,021	300	4,112	8,500	6,676	6,650	700	700	1,844	7,115	7,030	4,115
1971	Wet	3,557	5,487	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	347	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,022
1974	Wet	5,411	6,680	4,414	4,425	3,930	6,017	962	700	3,432	7,005	7,180	6,135
1975	Wet	4,374	2,738	7,133	3,388	3,229	5,625	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,031	1,701	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,492	6,953
1977	Critical	3,226	1,460	1,174	1,772	697	300	300	557	262	552	300	1,371
1978	Above Normal	300	1,690	2,921	2,880	4,706	4,954	1,688	1,456	5,346	7,005	7,180	6,680
1979	Below Normal	3,885	2,853	7,110	3,922	5,343	4,855	864	1,116	1,955	7,005	7,180	5,118
1980	Above Normal	4,612	3,011	7,071	6,095	4,813	4,271	879	905	4,450	7,005	7,180	646
1981	Dry	3,759	1,512	7,054	3,391	3,394	2,923	1,134	898	1,648	6,929	5,910	6,930
1982	Wet	3,161	6,680	3,662	3,848	7,955	7,232	6,125	2,420	5,213	7,005	7,180	6,680
1983	Wet	6,680	6,680	6,741	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,787	6,533	837	700	2,030	6,680	6,934	5,818
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	8,439	6,600	1,526	1,435	4,453	7,115	5,533	6,680
1987	Dry	3,596	300	7,077	3,296	3,360	2,351	549	1,794	1,631	5,012	1,053	2,302
1988	Critical	461	849	3,319	2,335	456	1,651	1,018	972	300	5,022	300	1,262
1989	Dry	300	2,941	3,077	3,172	1,113	1,207	1,130	815	2,355	6,915	6,408	7,160
1990	Critical	3,318	2,305	3,243	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	375	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	615
1992	Critical	714	526	1,386	1,346	1,696	2,393	700	700	1,445	1,599	300	2,133
1993	Above Normal	1,925	494	3,426	3,138	4,136	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,082	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,820	3,448
1995	Wet	928	1,953	3,450	2,992	3,630	7,561	1,635	6,177	6,680	6,680	7,180	6,680
1996	Wet	2,830	2,614	3,774	2,814	7,842	6,904	1,005	934	3,353	7,005	7,180	6,680
1997	Wet	2,988	1,883	7,678	8,500	8,500	7,230	700	759	2,872	6,031	7,030	6,680
1998	Wet	3,194	2,033	7,048	3,006	8,500	7,561	1,827	2,083	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,042	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,911
2000	Above Normal	2,539	530	6,989	2,220	5,162	5,699	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,798	1,228	7,073	3,464	3,050	2,973	1,002	733	1,617	6,664	779	3,371
2002	Dry	300	3,222	3,914	2,649	3,868	2,604	740	700	1,672	6,929	2,833	6,740
2003	Above Normal	300	1,720	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Exports Through Banks Pumping Plant (Node D419)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,959	5,601	7,186	3,559	3,219	4,517	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,166	4,396	4,270	3,522	4,281	2,872	1,016	700	2,788	7,005	7,180	6,680
1924	Critical	5,759	3,148	5,000	2,600	2,175	302	300	656	300	2,205	323	571
1925	Dry	2,271	2,892	3,997	3,197	2,382	4,288	1,080	959	2,704	7,180	4,433	6,680
1926	Dry	2,511	2,234	2,755	3,213	1,775	300	1,135	833	2,391	6,915	5,619	3,397
1927	Wet	1,499	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,233	3,272	7,103	3,440	2,182	4,288	863	700	2,558	6,560	6,748	6,680
1929	Critical	3,581	2,506	4,681	3,298	3,317	2,863	1,605	1,136	300	300	852	820
1930	Dry	1,136	928	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680
1931	Critical	2,328	2,037	1,688	3,184	2,030	857	300	300	300	3,053	300	451
1932	Dry	993	1,526	7,175	3,423	4,109	4,060	300	700	300	7,005	7,180	3,422
1933	Critical	1,117	1,149	2,173	3,900	5,504	1,634	753	700	300	1,506	506	865
1934	Critical	1,126	1,020	3,993	5,986	4,256	1,534	300	773	300	665	326	516
1935	Below Normal	2,070	3,231	3,935	3,511	2,838	2,500	850	700	2,312	7,005	7,180	6,680
1936	Below Normal	4,436	3,228	3,069	2,216	8,301	7,098	1,026	700	2,761	7,005	7,180	6,680
1937	Below Normal	5,614	2,729	6,478	4,322	8,500	6,346	989	883	4,851	7,005	7,006	3,119
1938	Wet	4,971	6,680	5,027	6,525	7,443	6,702	2,134	2,525	6,425	7,005	7,180	5,723
1939	Dry	3,924	1,845	5,750	3,398	2,732	1,774	523	860	300	6,829	5,438	6,830
1940	Above Normal	1,658	1,031	3,346	2,596	3,327	5,688	1,144	700	2,743	6,611	6,680	6,680
1941	Wet	3,294	2,173	4,248	3,993	8,359	7,561	1,405	1,313	3,916	7,005	7,180	6,201
1942	Wet	3,476	1,658	4,209	4,666	5,069	4,938	1,188	1,157	3,865	7,005	7,180	6,190
1943	Wet	3,751	2,343	3,940	4,805	5,984	7,561	1,224	789	2,390	6,798	7,180	6,446
1944	Dry	3,665	1,668	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,672	2,617
1945	Below Normal	2,063	6,680	3,965	3,409	3,709	6,237	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,648	6,680	5,641	4,135	3,150	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,119	4,878	4,322	2,839	3,534	1,341	1,008	700	1,711	6,929	5,873	6,680
1948	Below Normal	4,240	3,527	2,267	2,022	300	2,530	700	2,681	7,005	7,005	7,180	6,680
1949	Dry	3,612	2,686	4,272	3,214	3,323	1,941	700	700	1,734	6,915	5,837	6,680
1950	Below Normal	1,603	1,914	2,198	2,232	2,589	3,445	700	700	2,099	7,005	7,180	6,680
1951	Above Normal	5,709	6,680	7,649	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,811	3,933	4,563	3,961	7,561	1,426	1,930	5,008	6,680	7,180	6,340
1953	Wet	3,300	3,265	7,104	2,717	3,884	3,708	847	727	1,937	7,005	7,180	6,680
1954	Above Normal	2,581	750	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,341	3,847	7,027	3,565	3,017	2,402	851	700	300	6,929	3,608	5,137
1956	Wet	1,948	3,880	5,138	8,500	6,813	6,484	852	930	4,244	7,005	7,180	5,702
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,543	3,707	2,531	4,097	7,561	2,214	1,707	5,046	7,005	7,180	6,680
1959	Below Normal	3,768	2,702	7,078	2,168	3,070	3,708	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	3,985	2,700	2,326	3,185	2,240	2,432	300	1,222	1,522	6,915	6,008	6,922
1961	Dry	1,520	4,160	6,989	3,291	2,049	3,302	758	802	85	7,077	3,425	2,913
1962	Below Normal	853	2,680	2,928	2,484	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,040	3,400	2,737	2,177	700	700	300	6,915	4,228	6,698
1965	Wet	2,938	3,011	3,905	5,448	4,366	4,221	1,064	700	2,832	7,005	7,180	6,563
1966	Below Normal	3,269	5,172	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,383	3,784	3,806	3,725	3,622	4,482	1,845	1,641	6,274	6,970	7,180	6,680
1968	Below Normal	4,030	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,507	4,041	7,046	3,920	5,102	4,065	2,441	4,567	6,680	6,680	6,680	4,445
1970	Wet	4,014	300	4,112	8,500	6,857	6,648	700	700	1,844	7,115	7,030	4,077
1971	Wet	3,573	5,433	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	342	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,396	5,021
1974	Wet	5,387	6,680	4,414	4,232	3,930	5,061	959	700	3,430	7,005	7,180	6,680
1975	Wet	4,371	2,601	7,133	3,388	3,229	5,604	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,057	1,713	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,454	6,953
1977	Critical	3,210	1,461	1,177	1,763	697	300	300	557	263	552	300	1,372
1978	Above Normal	300	1,679	2,926	2,880	4,333	4,440	1,359	1,121	4,142	7,005	7,180	6,680
1979	Below Normal	3,879	3,591	7,110	3,922	5,295	4,769	864	1,116	1,955	7,005	7,180	5,994
1980	Above Normal	5,407	3,165	7,071	4,247	6,009	4,486	879	905	4,393	7,005	6,643	3,137
1981	Dry	3,700	383	7,054	3,391	3,394	2,472	1,134	898	1,648	6,929	5,871	6,930
1982	Wet	3,319	6,680	3,662	3,848	7,893	7,408	6,125	2,054	4,699	7,005	7,180	6,680
1983	Wet	6,680	6,680	7,678	4,058	3,937	3,445	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,757	6,720	6,785	6,533	837	700	2,030	6,680	6,934	5,819
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	6,390	7,561	1,502	1,246	4,366	7,115	6,691	5,555
1987	Dry	3,600	398	7,077	3,296	3,360	2,351	551	1,794	1,631	4,839	1,054	2,302
1988	Critical	460	848	3,319	2,335	457	1,652	1,018	972	300	5,025	300	1,262
1989	Dry	300	2,941	3,072	3,172	1,112	1,207	1,130	815	2,355	6,915	6,311	7,160
1990	Critical	3,339	2,303	3,280	3,080	2,160	1,023	300	915	241	6,929	647	1,823
1991	Critical	374	505	1,287	300	1,271	1,276	1,021	856	2,097	6,977	339	613
1992	Critical	710	523	1,387	1,336	1,696	2,393	700	700	1,445	1,591	300	2,132
1993	Above Normal	1,925	493	3,425	3,138	4,135	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,074	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,822	3,448
1995	Wet	928	1,955	3,450	2,990	3,630	7,561	1,414	2,580	5,728	6,680	7,180	6,680
1996	Wet	2,828	2,492	3,774	2,814	7,838	6,669	1,005	932	3,353	7,005	7,180	6,680
1997	Wet	2,998	1,882	7,678	8,500	8,500	7,003	700	700	2,774	6,680	7,030	6,680
1998	Wet	3,279	1,459	7,048	3,003	8,500	7,561	1,682	1,806	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,041	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,844
2000	Above Normal	2,582	481	6,989	2,220	5,102	5,654	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,794	1,226	6,873	3,464	3,050	2,973	1,002	733	1,617	6,838	773	3,372
2002	Dry	300	3,221	3,914	2,649	3,867	2,604	740	700	1,672	6,929	2,757	6,894
2003	Above Normal	300	1,710	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Delta Outflow (Node C406)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,582	38,547	27,287	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,449	28,507	15,652	9,731	28,544	18,759	7,395	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,861	12,829	9,729	6,838	4,554	4,000	4,057	4,265	3,000
1925	Dry	3,000	4,746	6,968	8,197	71,022	12,819	29,103	17,529	6,052	5,000	3,908	3,763
1926	Dry	4,000	4,500	4,500	13,736	45,784	12,516	26,064	10,317	5,313	5,000	3,771	3,000
1927	Wet	4,000	13,471	14,309	32,183	123,586	41,799	52,715	27,489	13,238	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,846	22,620	83,504	27,647	10,514	8,357	10,796	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,767	18,724	16,275	30,158	12,393	9,335	7,031	5,000	3,968	3,539
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,859	13,675	17,089	14,946	10,448	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,220	7,772	13,453	9,558	8,078	7,243	4,000	3,028	3,000
1934	Critical	3,237	4,257	9,674	14,258	14,096	10,625	9,673	7,031	7,100	4,000	3,595	3,000
1935	Below Normal	3,000	6,205	3,680	28,620	10,144	27,101	53,978	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,130	80,304	32,439	27,832	17,506	9,319	6,500	4,000	4,026
1937	Below Normal	4,000	4,500	5,300	10,571	46,723	49,321	27,840	20,023	10,540	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,701	27,585	146,268	168,808	78,004	68,333	38,112	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,679	6,871	8,329	10,184	9,673	9,107	5,750	5,000	4,072	4,128
1940	Above Normal	4,000	4,500	4,500	34,080	64,932	108,798	71,910	18,365	6,166	10,339	4,000	11,563
1941	Wet	5,938	10,625	37,481	97,479	117,345	89,197	77,818	48,377	13,338	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,432	136,485	23,690	54,800	40,451	22,690	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,410	79,608	54,829	86,051	33,920	19,695	7,679	10,339	4,000	19,531
1944	Dry	7,500	12,514	5,090	11,278	23,061	18,762	12,498	10,389	6,508	5,000	3,783	3,036
1945	Below Normal	4,000	6,001	10,828	9,268	52,936	22,234	17,088	15,811	7,282	6,500	4,000	3,868
1946	Below Normal	4,284	5,028	67,028	46,193	15,036	18,055	18,055	16,160	6,692	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,450	7,464	14,019	20,031	13,169	8,135	7,100	5,000	4,311	3,695
1948	Below Normal	4,000	4,500	4,508	12,625	11,145	13,395	26,934	30,180	14,799	6,500	4,000	4,047
1949	Dry	4,000	4,500	6,235	7,620	7,982	46,552	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,862	35,749	16,395	22,187	15,303	7,636	6,643	4,000	4,212
1951	Above Normal	4,423	44,786	100,165	67,172	69,478	29,251	18,776	19,060	5,813	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,696	82,178	74,675	62,784	75,164	75,194	37,257	11,708	6,560	18,906
1953	Wet	9,375	13,340	28,655	99,143	20,989	16,041	19,421	26,445	20,631	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,848	23,333	52,065	43,369	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,837	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,906	3,531
1956	Wet	4,000	4,500	91,250	163,624	82,041	37,916	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,920	44,636	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	117,613	103,525	55,788	30,546	8,000	6,031	18,125
1959	Below Normal	9,219	13,595	5,072	21,540	48,739	12,078	10,577	9,621	7,100	8,308	4,000	4,606
1960	Dry	4,000	4,500	4,500	8,897	28,519	17,241	12,125	9,388	6,422	5,099	4,211	3,926
1961	Dry	4,000	5,699	8,487	8,976	33,039	13,935	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,448	6,000	57,823	21,151	15,972	14,331	6,167	7,346	4,000	3,798
1963	Wet	29,357	5,771	23,187	16,740	74,782	23,450	97,294	30,772	8,479	10,645	4,000	20,078
1964	Dry	7,813	15,625	4,655	20,288	9,684	7,912	10,189	10,218	7,856	5,000	3,901	4,278
1965	Wet	4,000	11,219	78,769	113,428	32,999	17,253	50,528	20,619	9,868	8,627	4,000	20,000
1966	Below Normal	7,813	15,469	6,711	24,645	20,514	18,743	13,495	10,198	6,422	8,292	4,000	4,279
1967	Wet	4,000	9,620	35,377	49,973	50,705	55,955	57,456	57,721	41,627	14,314	4,931	19,531
1968	Below Normal	8,125	13,813	5,218	21,833	58,583	30,016	11,290	10,961	6,258	8,649	4,000	3,722
1969	Wet	4,000	5,845	15,103	118,572	135,706	66,477	60,224	64,655	34,667	8,000	4,000	22,188
1970	Wet	7,031	14,607	52,271	207,212	75,482	37,004	13,563	13,225	7,610	10,840	4,000	18,594
1971	Wet	8,438	15,313	49,791	47,951	19,098	41,070	26,094	29,829	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,347	4,000	11,875
1974	Wet	6,094	51,156	63,984	131,775	38,719	107,386	69,175	24,178	15,301	8,000	5,589	18,594
1975	Wet	8,438	14,544	5,568	10,130	57,405	82,799	26,916	31,984	20,652	8,000	4,182	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,237	3,477	3,008	3,008
1977	Critical	5,618	3,500	4,433	6,427	7,714	7,239	7,100	4,000	4,000	4,000	3,312	3,000
1978	Above Normal	3,628	3,941	10,777	67,598	50,897	69,286	47,894	25,804	14,740	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,029	20,962	33,570	27,212	18,827	20,299	7,817	6,500	4,000	3,221
1980	Above Normal	4,000	12,141	10,723	106,942	132,004	61,857	21,767	19,088	12,378	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,215	19,051	22,375	24,102	14,012	9,083	7,100	5,000	4,048	4,459
1982	Wet	4,000	27,889	85,349	75,861	99,591	83,030	140,148	47,504	20,816	8,000	4,518	18,750
1983	Wet	15,097	41,206	83,302	109,093	177,813	259,856	89,969	80,191	71,445	33,993	16,957	24,769
1984	Wet	13,604	81,647	156,943	63,546	36,629	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	212,647	144,060	26,875	20,732	11,012	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,051	9,480	15,543	22,759	8,904	7,727	7,100	5,000	3,771	3,000
1988	Critical	4,000	4,500	12,444	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,579	4,648	4,695	7,511	8,636	48,435	19,688	11,116	5,781	5,000	4,232	4,929
1990	Critical	4,000	4,500	4,500	14,125	11,400	11,358	10,062	6,753	4,000	4,000	3,914	3,000
1991	Critical	3,336	4,031	3,500	9,616	7,407	33,304	10,482	5,114	4,000	4,275	3,394	3,000
1992	Critical	4,358	3,500	3,695	8,553	32,764	16,472	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,954	3,935	7,801	63,669	55,657	39,291	40,052	27,708	23,456	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,611	19,108	8,421	11,274	8,544	4,153	4,000	4,264	3,000
1995	Wet	4,454	3,500	9,781	113,084	51,076	210,596	67,878	83,985	41,904	22,187	9,297	13,750
1996	Wet	11,875	12,555	18,160	47,468	123,503	68,278	46,005	48,657	11,021	8,000	4,000	21,250
1997	Wet	7,813	15,625	78,366	278,487	72,312	21,727	19,106	14,431	6,858	11,454	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,984	221,879	81,743	62,932	59,459	73,844	28,384	12,379	19,494
1999	Wet	8,839	20,119	30,415	39,856	93,073	30,201	21,749	11,220	21,749	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,572	21,813	111,009	63,064	22,048	18,923	6,284	10,438	4,000	11,719
2001	Dry	5,781	10,469	4,775	13,264	23,780	22,927	12,660	8,216	7,100	5,000	4,046	3,000
2002	Dry	4,000	5,758	27,611	48,492	14,232	17,039	16,513	12,956	4,816	5,000	4,555	3,728
2003	Above Normal	4,000	4,500	38,330	61,320	20,609	17,826	28,890	43,216	7,785	8,516	4,000	11

Simulated Delta Outflow (Node C406)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	4,000	4,573	8,643	12,584	38,543	27,293	28,926	56,314	37,312	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,193	28,436	15,652	9,747	28,497	18,261	7,078	6,500	4,000	4,548
1924	Critical	4,300	4,500	4,500	7,852	12,804	9,729	6,844	4,558	4,000	4,000	3,976	3,000
1925	Dry	3,000	4,749	6,969	8,195	71,005	12,817	29,099	17,527	6,061	5,000	3,871	3,722
1926	Dry	4,000	4,500	4,500	13,742	45,935	12,516	26,049	10,317	5,313	5,003	3,792	3,000
1927	Wet	4,000	13,383	14,190	32,113	125,282	41,779	52,730	27,498	13,243	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,809	20,848	22,621	83,503	27,642	10,515	8,356	10,782	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,472	12,137	9,013	7,691	7,100	7,243	4,000	3,000	3,000
1930	Dry	3,000	4,211	12,779	18,732	16,279	30,132	12,392	9,335	7,031	5,000	3,969	3,531
1931	Critical	4,000	4,500	4,500	9,827	8,117	7,504	7,817	5,389	4,000	4,000	3,766	3,000
1932	Dry	3,000	3,804	13,676	17,090	15,008	10,442	12,056	13,692	10,444	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,219	7,772	13,451	9,558	7,829	7,243	4,000	3,031	3,000
1934	Critical	3,094	4,567	9,400	14,210	14,105	10,625	9,673	7,031	7,100	4,000	3,602	3,000
1935	Below Normal	3,000	6,215	3,676	28,615	10,140	27,095	53,979	21,311	7,911	6,500	4,000	3,892
1936	Below Normal	4,000	4,500	4,500	40,147	77,777	32,447	27,831	17,503	9,317	6,500	4,000	4,144
1937	Below Normal	4,211	4,500	5,021	10,570	44,686	47,813	26,973	18,017	11,185	6,500	4,000	3,000
1938	Wet	4,000	16,450	63,247	27,463	140,067	165,292	76,525	71,022	36,844	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,500	6,900	8,329	10,199	9,673	9,106	5,750	5,000	3,986	4,074
1940	Above Normal	4,000	4,500	4,500	34,103	64,673	108,694	71,907	18,365	6,166	10,337	4,000	11,563
1941	Wet	5,938	10,625	36,989	97,324	115,600	89,224	77,817	47,798	13,255	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,030	78,140	136,393	23,691	54,802	40,456	22,694	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,415	78,138	54,777	84,262	33,782	19,595	7,673	10,203	4,000	19,531
1944	Dry	7,500	12,514	5,085	11,313	23,087	18,783	12,498	10,390	6,508	5,000	3,779	3,035
1945	Below Normal	4,000	5,988	10,812	9,254	52,190	22,234	16,590	15,313	6,810	6,500	4,000	3,868
1946	Below Normal	4,129	5,442	68,872	46,180	15,036	17,345	18,058	16,158	6,869	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,455	7,464	14,018	20,041	13,168	8,136	7,100	5,000	4,307	3,681
1948	Below Normal	4,000	4,500	4,512	12,625	11,145	13,396	26,934	30,175	14,798	6,500	4,000	4,044
1949	Dry	4,000	4,500	6,235	7,619	7,982	46,558	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,900	35,748	16,395	22,187	15,303	7,636	6,642	4,000	4,212
1951	Above Normal	4,423	44,786	97,267	66,271	69,140	29,250	18,776	19,060	5,814	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,698	82,114	74,694	62,337	74,262	73,043	36,349	11,730	6,572	18,750
1953	Wet	9,531	13,340	27,241	99,672	20,996	16,044	19,422	26,482	20,632	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,849	23,442	52,093	43,368	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,836	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,905	3,439
1956	Wet	4,000	4,500	90,518	160,023	81,602	37,497	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,921	44,610	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,116	150,856	116,505	102,439	54,096	30,267	8,000	6,029	18,125
1959	Below Normal	9,219	13,595	5,071	21,468	48,716	12,077	10,578	9,622	7,100	8,321	4,000	4,596
1960	Dry	4,000	4,500	4,500	8,896	28,518	17,243	12,125	9,388	6,422	5,099	4,223	3,928
1961	Dry	4,000	5,706	8,481	8,974	33,036	13,934	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,449	6,000	57,825	21,152	15,972	14,331	6,167	7,346	4,000	3,799
1963	Wet	29,358	5,771	23,187	16,739	74,775	23,450	97,294	30,772	8,479	10,646	4,000	20,078
1964	Dry	7,813	15,625	4,648	20,292	9,684	7,912	10,189	10,218	7,857	5,000	3,903	4,278
1965	Wet	4,000	11,219	78,771	113,367	32,999	17,254	50,533	20,619	9,867	8,629	4,000	20,000
1966	Below Normal	7,813	15,469	6,716	24,644	20,513	18,933	13,531	10,198	6,422	8,305	4,000	4,248
1967	Wet	4,000	9,617	35,405	49,972	50,705	55,955	56,527	55,985	40,398	12,483	4,932	19,688
1968	Below Normal	8,125	13,813	5,218	21,666	56,324	30,055	11,290	10,961	6,219	8,688	4,000	3,722
1969	Wet	4,000	5,782	15,085	117,909	132,365	63,368	58,602	61,370	32,420	8,000	4,000	21,875
1970	Wet	7,188	14,607	52,284	207,201	75,565	36,937	13,563	13,225	7,619	10,832	4,000	18,594
1971	Wet	8,438	15,313	49,806	47,950	19,098	41,138	26,093	29,830	14,859	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,268	11,686	16,129	26,276	12,412	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,432	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,646	4,000	11,875
1974	Wet	6,094	50,765	63,983	131,410	38,717	107,385	69,161	24,174	15,302	8,000	5,591	18,594
1975	Wet	8,438	14,544	5,571	10,128	56,871	82,886	26,914	31,983	20,651	8,000	4,180	19,375
1976	Critical	8,281	15,625	5,094	6,483	7,990	9,120	4,000	4,401	4,000	4,250	3,400	3,009
1977	Critical	5,623	3,500	4,425	6,448	7,714	7,239	7,100	4,000	4,000	4,000	3,316	3,000
1978	Above Normal	3,624	3,935	10,767	67,598	50,299	68,680	45,920	23,797	13,164	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,039	20,987	33,244	27,097	18,852	20,303	7,817	6,500	4,000	3,694
1980	Above Normal	4,284	11,297	10,745	104,333	126,642	60,511	21,769	19,089	12,177	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,218	18,746	21,291	24,999	13,977	9,078	7,100	5,000	4,038	4,408
1982	Wet	4,000	28,472	85,211	75,807	99,534	82,145	136,373	45,307	20,197	8,000	4,517	18,750
1983	Wet	15,097	40,104	81,246	106,953	177,612	259,744	89,801	80,019	70,896	33,969	16,957	24,769
1984	Wet	13,603	81,331	156,892	63,525	36,608	34,935	17,655	14,049	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,685	11,910	9,950	11,354	11,620	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,468	22,424	210,730	139,367	26,731	19,601	10,689	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,048	9,494	15,551	22,761	8,904	7,727	7,100	5,000	3,775	3,000
1988	Critical	4,000	4,500	12,443	26,041	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,578	4,644	4,701	7,508	8,636	48,438	19,688	11,116	5,781	5,000	4,208	4,928
1990	Critical	4,000	4,500	4,500	14,123	11,400	11,357	10,063	6,753	4,000	4,000	3,913	3,000
1991	Critical	3,337	4,028	3,500	9,619	7,407	33,302	10,480	5,113	4,000	4,266	3,396	3,000
1992	Critical	4,362	3,500	3,690	8,572	32,762	16,471	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,952	3,938	7,800	63,667	55,653	39,335	40,052	27,709	23,458	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,609	19,106	8,420	11,274	8,544	4,153	4,000	4,265	3,000
1995	Wet	4,453	3,500	9,782	113,077	51,076	208,705	66,555	87,192	39,909	20,933	9,297	13,750
1996	Wet	11,875	12,555	17,679	47,378	122,695	68,116	46,004	48,645	11,024	8,000	4,000	21,250
1997	Wet	7,813	15,625	75,742	271,627	71,109	21,727	19,106	14,191	6,762	11,552	4,000	18,594
1998	Wet	7,813	15,313	10,672	47,757	219,097	80,672	62,063	57,811	70,712	26,446	12,394	19,507
1999	Wet	8,907	20,133	30,421	39,855	93,071	59,784	30,200	21,748	11,219	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,576	21,759	111,090	63,020	22,045	18,923	6,283	10,434	4,000	11,719
2001	Dry	5,781	10,469	4,719	13,267	23,784	22,928	12,660	8,216	7,100	5,000	4,066	3,000
2002	Dry	4,000	5,758	27,610	48,499	14,232	17,038	16,513	12,956	4,816	5,000	4,527	3,796
2003	Above Normal	4,000	4,500	38,212	61,321	20,608	17,825	28,889	43,215	7,785	8,516	4,000	11

Change in Simulated Delta Outflow (Node C406)

Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	1	-4	6	-8	-13	-24	0	0	0
1923	Below Normal	0	0	-256	-71	0	16	-47	-497	-317	0	0	0
1924	Critical	300	0	0	-9	-25	0	6	4	0	-57	-289	0
1925	Dry	0	3	1	-2	-17	-3	-4	-1	9	0	-37	-40
1926	Dry	0	0	0	6	150	0	-15	0	0	3	21	0
1927	Wet	0	-88	-119	-70	1,697	-20	14	9	5	0	0	0
1928	Above Normal	0	0	1	2	1	-1	-4	1	-1	-14	0	0
1929	Critical	0	0	0	3	2	0	0	0	0	0	-156	0
1930	Dry	0	84	12	8	5	-26	-1	0	0	0	1	-8
1931	Critical	0	0	0	-2	0	-3	0	0	0	0	-84	0
1932	Dry	0	-55	1	1	61	-6	-1	0	2	0	0	0
1933	Critical	0	0	0	-1	0	-2	0	-249	0	0	3	0
1934	Critical	-143	310	-275	-48	9	0	0	0	0	0	7	0
1935	Below Normal	0	10	-4	-5	-5	-6	1	0	0	0	-1	-1
1936	Below Normal	0	0	0	16	-2,528	8	-1	-2	-2	0	0	118
1937	Below Normal	211	0	-279	-1	-2,037	-1,508	-867	-2,007	646	0	0	0
1938	Wet	0	-2	546	-122	-6,201	-3,516	-1,479	2,690	-1,268	0	0	0
1939	Dry	0	0	-179	29	0	15	0	-1	0	0	-86	-54
1940	Above Normal	0	0	0	23	-259	-104	-3	0	0	-2	0	0
1941	Wet	0	0	-492	-156	-1,745	28	0	-579	-84	0	0	0
1942	Wet	0	0	-1	-291	-92	1	2	4	4	0	0	0
1943	Wet	0	0	5	-1,470	-53	-1,789	-138	-101	-7	-135	0	0
1944	Dry	0	0	-5	35	26	20	1	0	0	0	-4	-1
1945	Below Normal	0	-13	-16	-14	-746	0	-498	-498	-472	0	0	0
1946	Below Normal	-155	414	1,844	-13	0	-710	3	-1	177	0	0	0
1947	Dry	0	0	6	0	0	9	-2	1	0	0	-4	-15
1948	Below Normal	0	0	4	0	0	0	0	-6	0	0	0	-4
1949	Dry	0	0	1	-1	0	6	0	0	0	0	0	0
1950	Below Normal	0	0	0	38	0	0	0	0	0	-1	0	0
1951	Above Normal	-1	0	-2,898	-901	-338	0	0	0	1	-1	0	0
1952	Wet	0	0	2	-64	19	-447	-901	-2,151	-908	22	11	-156
1953	Wet	156	0	-1,414	529	6	3	1	37	1	0	0	0
1954	Above Normal	0	0	1	109	28	-1	0	0	0	0	0	0
1955	Dry	0	0	-1	0	0	0	0	0	0	0	-1	-93
1956	Wet	0	0	-732	-3,601	-439	-418	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	-27	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	-1,108	-1,086	-1,692	-278	0	-1	0
1959	Below Normal	0	0	-1	-71	-22	-1	1	1	0	14	0	-10
1960	Dry	0	0	0	-1	-1	2	0	0	0	0	11	1
1961	Dry	0	7	-5	-3	-3	-1	0	0	0	0	0	0
1962	Below Normal	0	0	1	0	2	0	0	0	0	0	0	0
1963	Wet	2	0	0	-1	-7	0	0	0	0	1	0	0
1964	Dry	0	0	-7	4	0	0	0	0	0	0	2	0
1965	Wet	0	0	2	-61	0	1	5	0	-1	2	0	0
1966	Below Normal	0	0	5	-2	-1	190	36	0	0	13	0	-31
1967	Wet	0	-3	27	-1	0	-1	-928	-1,736	-1,229	-1,829	1	156
1968	Below Normal	0	0	0	-167	-2,259	39	0	0	-39	39	0	0
1969	Wet	0	-64	-18	-663	-3,342	-3,109	-1,622	-3,285	-2,247	0	0	-313
1970	Wet	156	0	13	-11	84	-67	0	0	9	-8	0	0
1971	Wet	0	0	15	-1	0	69	-1	1	1	0	0	0
1972	Below Normal	0	0	1	0	0	9	0	0	0	0	0	0
1973	Above Normal	0	1	0	0	-1	0	0	0	0	-1	0	0
1974	Wet	0	-391	0	-365	-2	-1	-14	-4	1	0	1	0
1975	Wet	0	0	3	-2	-534	87	-2	-1	-1	0	-2	0
1976	Critical	0	0	0	-1	0	0	0	0	0	12	-16	1
1977	Critical	5	0	-8	20	0	0	0	0	0	0	4	0
1978	Above Normal	-4	-6	-10	0	-598	-606	-1,974	-2,008	-1,576	0	0	0
1979	Below Normal	0	0	10	25	-326	-115	25	4	0	0	0	473
1980	Above Normal	284	-844	22	-2,609	-5,361	-1,346	2	1	-201	0	0	0
1981	Dry	0	0	3	-306	-1,084	897	-35	-5	0	0	-10	-51
1982	Wet	0	583	-138	-55	-58	-884	-3,775	-2,197	-619	0	-1	0
1983	Wet	-1	-1,102	-2,056	-2,139	-200	-113	-168	-172	-549	-24	0	0
1984	Wet	0	-316	-51	-21	-21	-1	0	0	0	0	0	0
1985	Dry	0	-4	-1	-1	-1	-1	0	0	0	0	0	0
1986	Wet	0	0	0	0	-1,917	-4,694	-144	-1,131	-322	0	0	0
1987	Dry	0	0	-3	15	8	2	0	0	0	0	5	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	-1	-4	6	-3	0	3	0	0	0	0	-24	-1
1990	Critical	0	0	0	-2	0	-1	0	0	0	0	-1	0
1991	Critical	1	-3	0	4	0	-2	-2	-1	0	-10	2	0
1992	Critical	4	0	-5	19	-2	-1	0	0	0	0	0	0
1993	Above Normal	-1	3	-1	-1	-4	44	0	1	2	0	0	0
1994	Critical	0	0	0	-2	-2	-1	0	0	0	0	1	0
1995	Wet	-1	0	1	-7	0	-1,890	-1,323	3,207	-1,995	-1,254	0	0
1996	Wet	0	0	-480	-90	-808	-163	-1	-12	3	0	0	0
1997	Wet	0	0	-2,624	-6,860	-1,203	0	0	-240	-96	97	0	0
1998	Wet	0	0	26	773	-2,782	-1,071	-869	-1,648	-3,132	-1,937	15	13
1999	Wet	68	14	6	-1	-2	23	-1	-1	-1	0	0	0
2000	Above Normal	0	0	4	-55	81	-44	-3	0	-1	-5	0	0
2001	Dry	0	0	-56	3	4	1	0	0	0	0	20	0
2002	Dry	0	-1	-1	7	0	-1	0	0	0	0	-28	69
2003	Above Normal	0	0	-118	1	-1	-1	-1	-1	0	0	0	0

Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	215	233	306	389	439	348	217	247	524	503	342	292
1923	Above Normal	303	333	427	439	439	439	437	506	458	364	237	214
1924	Critical	248	294	321	348	344	344	380	376	276	182	145	165
1925	Below Normal	150	149	179	212	270	248	308	378	369	289	193	183
1926	Dry	208	227	261	292	323	322	428	523	452	287	173	176
1927	Above Normal	178	217	279	334	439	454	461	470	489	402	255	213
1928	Below Normal	233	309	362	408	417	466	488	523	442	276	181	179
1929	Critical	161	154	175	198	192	167	195	274	250	183	148	179
1930	Critical	154	136	152	179	192	174	251	255	263	181	146	179
1931	Critical	171	180	199	223	239	203	250	264	205	148	131	155
1932	Above Normal	144	131	194	265	408	408	389	424	477	426	269	220
1933	Dry	231	254	282	320	310	305	303	226	282	241	170	183
1934	Critical	184	180	227	283	305	342	429	403	298	195	159	170
1935	Above Normal	160	161	203	276	336	300	347	475	513	388	240	205
1936	Above Normal	222	253	283	335	439	479	524	524	501	380	242	205
1937	Wet	212	235	282	329	439	479	466	524	524	421	265	220
1938	Wet	238	266	428	439	421	397	361	307	524	524	422	346
1939	Dry	357	374	408	439	439	478	524	505	386	249	156	166
1940	Above Normal	180	175	191	322	414	475	499	524	504	335	180	156
1941	Wet	166	188	288	412	439	448	409	435	524	523	378	304
1942	Wet	311	335	430	439	439	465	421	399	524	500	346	288
1943	Wet	301	354	410	412	439	479	524	524	496	379	244	210
1944	Below Normal	217	243	276	318	331	337	312	367	352	269	185	187
1945	Above Normal	201	247	315	369	439	457	442	458	470	406	265	225
1946	Above Normal	272	353	439	439	439	451	474	523	492	355	218	193
1947	Dry	218	289	386	439	439	465	472	523	418	266	170	178
1948	Below Normal	175	175	196	220	212	151	166	228	293	236	159	174
1949	Below Normal	193	199	228	258	265	238	285	374	384	251	167	179
1950	Below Normal	195	203	233	286	349	324	394	457	434	297	183	184
1951	Above Normal	204	359	381	439	439	453	443	435	388	278	188	188
1952	Wet	194	200	277	428	421	391	374	480	524	521	408	343
1953	Below Normal	336	341	387	439	439	440	442	393	331	279	191	190
1954	Below Normal	190	192	219	260	293	301	379	495	450	317	200	181
1955	Dry	193	208	251	304	328	311	285	297	344	242	171	182
1956	Wet	182	181	351	351	439	479	413	368	446	412	289	240
1957	Below Normal	265	293	326	373	395	390	357	357	410	309	206	200
1958	Wet	216	230	284	336	406	373	393	453	524	502	371	313
1959	Dry	311	316	337	388	436	478	523	497	400	254	147	177
1960	Critical	179	169	183	205	229	217	306	337	293	196	160	174
1961	Critical	166	183	222	249	272	236	297	295	242	159	147	167
1962	Below Normal	157	147	177	206	357	322	362	429	488	402	255	216
1963	Above Normal	234	260	284	335	439	449	412	421	461	404	265	230
1964	Dry	249	321	375	418	404	400	411	403	349	230	168	178
1965	Wet	163	177	314	439	439	411	364	378	400	335	260	228
1966	Below Normal	240	342	429	439	439	477	523	523	424	258	153	159
1967	Wet	147	158	377	439	439	388	369	333	524	524	444	363
1968	Dry	302	290	313	353	335	378	428	432	350	236	160	171
1969	Wet	166	186	241	351	379	248	188	421	524	524	445	354
1970	Above Normal	318	320	359	439	439	479	471	475	449	311	208	200
1971	Below Normal	199	221	304	384	415	401	404	397	367	263	183	190
1972	Dry	204	220	288	339	361	413	385	386	338	210	137	178
1973	Above Normal	175	189	242	324	414	407	305	469	524	398	254	216
1974	Wet	243	336	439	439	439	459	407	470	523	404	274	236
1975	Wet	256	289	335	385	421	450	365	370	496	389	239	211
1976	Critical	267	332	371	402	413	440	457	439	313	185	144	182
1977	Critical	184	188	200	218	222	224	245	218	184	143	131	151
1978	Wet	139	131	208	367	439	479	410	430	524	524	434	439
1979	Above Normal	393	391	414	439	439	479	515	524	509	363	228	200
1980	Wet	222	262	305	380	405	473	489	503	524	524	416	349
1981	Dry	354	368	402	439	439	464	476	521	439	272	179	184
1982	Wet	179	230	300	422	439	441	524	524	524	523	440	440
1983	Wet	439	432	418	412	439	464	272	161	524	524	515	454
1984	Above Normal	404	437	407	439	439	478	471	515	461	333	225	213
1985	Dry	234	287	341	392	403	407	475	522	421	267	165	181
1986	Wet	183	203	276	371	393	479	506	494	524	456	313	273
1987	Critical	301	322	349	388	391	416	469	479	379	253	167	171
1988	Critical	170	175	204	265	284	276	344	355	295	197	160	178
1989	Critical	157	144	171	200	214	236	339	379	316	203	159	180
1990	Critical	176	173	199	231	242	234	324	310	246	180	155	168
1991	Critical	153	134	150	167	158	167	177	216	256	183	147	186
1992	Critical	171	168	198	231	273	266	371	414	305	204	163	176
1993	Wet	159	151	189	377	439	419	351	444	520	506	358	302
1994	Critical	318	335	369	412	415	446	481	485	404	262	169	177
1995	Wet	197	222	275	439	439	468	412	382	524	524	489	385
1996	Wet	292	269	300	366	439	479	453	524	524	414	280	244
1997	Wet	258	358	429	351	422	479	523	524	464	336	206	186
1998	Wet	202	237	285	395	439	441	497	348	524	524	452	364
1999	Above Normal	307	309	344	409	421	445	420	472	484	334	212	201
2000	Above Normal	215	226	254	336	411	466	498	523	515	357	223	197
2001	Dry	217	244	274	313	316	357	374	477	400	252	168	179
2002	Dry	168	172	237	306	332	315	399	443	404	277	175	175
2003	Below Normal	167	213	265	333	367	353	312	363	425	282	188	185

Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Alternative 3 - Existing Condition (taf)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	125	107	34	-49	-99	-8	123	93	-184	-163	-2	48		
1923	Above Normal	37	7	-87	-99	-99	-99	-97	-166	-118	-24	103	126		
1924	Critical	92	47	19	-8	-4	-4	-40	-36	64	158	195	175		
1925	Below Normal	190	191	161	128	70	92	32	-38	-29	52	147	157		
1926	Dry	132	114	79	48	17	19	-88	-183	-112	53	167	165		
1927	Above Normal	162	123	61	6	-99	-113	-121	-130	-149	-62	85	127		
1928	Below Normal	108	31	-22	-68	-76	-126	-148	-183	-102	64	159	161		
1929	Critical	180	187	165	142	148	173	145	66	90	157	192	161		
1930	Critical	186	205	188	161	148	167	89	85	77	159	194	162		
1931	Critical	169	160	141	117	101	137	90	76	135	192	209	185		
1932	Above Normal	196	209	146	75	-68	-68	-49	-84	-137	-86	71	120		
1933	Dry	109	86	58	20	30	36	38	114	58	99	170	157		
1934	Critical	156	160	113	57	35	-2	-89	-63	42	145	181	171		
1935	Above Normal	180	179	137	64	4	40	-7	-134	-173	-48	100	136		
1936	Above Normal	118	87	57	5	-99	-138	-184	-184	-161	-40	99	135		
1937	Wet	128	105	58	11	-99	-138	-126	-184	-184	-81	75	120		
1938	Wet	102	74	-88	-99	-80	-57	-21	33	-75	-75	-82	-6		
1939	Dry	-17	-34	-68	-99	-99	-138	-184	-165	-46	91	184	174		
1940	Above Normal	160	165	149	18	-74	-135	-159	-184	-163	5	160	185		
1941	Wet	175	152	53	-72	-99	-108	-69	-95	-184	-183	-38	36		
1942	Wet	30	5	-90	-99	-99	-125	-81	-59	-184	-160	-6	52		
1943	Wet	39	-14	-70	-72	-99	-138	-184	-184	-156	-38	96	130		
1944	Below Normal	123	97	64	22	9	3	28	-26	-12	72	155	153		
1945	Above Normal	140	93	25	-29	-99	-117	-102	-118	-130	-66	76	115		
1946	Above Normal	68	-13	-99	-99	-99	-111	-133	-183	-152	-15	122	147		
1947	Dry	122	52	-46	-99	-99	-125	-132	-183	-78	75	170	162		
1948	Below Normal	165	165	144	120	128	189	174	112	48	104	181	166		
1949	Below Normal	147	141	112	82	75	103	55	-34	-44	89	173	161		
1950	Below Normal	145	137	107	54	-8	16	-53	-117	-94	43	157	156		
1951	Above Normal	136	-19	-41	-99	-99	-113	-103	-95	-48	62	152	152		
1952	Wet	146	140	63	-88	-81	-51	-34	-140	-184	-181	-68	-3		
1953	Below Normal	4	-1	-47	-99	-99	-100	-102	-53	9	61	150	150		
1954	Below Normal	150	148	122	80	47	39	-39	-155	-110	23	141	159		
1955	Dry	147	132	89	36	13	29	55	43	-4	98	169	158		
1956	Wet	158	159	0	6	-99	-138	-73	-28	-106	-72	51	100		
1957	Below Normal	75	47	14	-33	-55	-50	-17	-17	-70	31	135	141		
1958	Wet	124	110	56	4	-66	-33	-53	-113	-184	-161	-31	27		
1959	Dry	30	24	4	-48	-95	-138	-183	-156	-60	86	193	163		
1960	Critical	161	171	157	135	111	124	34	3	47	144	180	166		
1961	Critical	175	157	118	91	68	104	44	45	98	181	193	173		
1962	Below Normal	183	193	163	134	-17	18	-22	-89	-147	-62	85	124		
1963	Above Normal	106	80	56	6	-99	-109	-72	-81	-121	-64	75	110		
1964	Dry	91	19	-35	-78	-64	-60	-71	-63	-9	110	172	162		
1965	Wet	177	163	26	-98	-99	-71	-24	-38	-60	6	80	112		
1966	Below Normal	100	-2	-89	-99	-99	-137	-183	-183	-84	82	187	181		
1967	Wet	193	182	-37	-99	-99	-48	-29	7	-184	-158	-104	-23		
1968	Dry	38	50	27	-12	5	-38	-88	-92	-10	104	180	169		
1969	Wet	174	154	99	6	-39	92	152	-81	-75	-75	-105	-14		
1970	Above Normal	22	20	-19	-99	-99	-138	-131	-134	-109	29	132	140		
1971	Below Normal	141	119	36	-44	-75	-61	-64	-57	-26	77	157	151		
1972	Dry	137	120	52	1	-21	-73	-45	-46	2	130	203	162		
1973	Above Normal	165	151	99	16	-74	-67	35	-129	-184	-58	86	124		
1974	Wet	97	4	-99	-99	-99	-119	-67	-130	-183	-64	67	104		
1975	Wet	84	52	5	-45	-81	-109	-25	-30	-156	-49	101	129		
1976	Critical	73	8	-31	-62	-73	-100	-117	-99	28	155	197	158		
1977	Critical	156	152	140	122	118	116	95	122	156	197	209	189		
1978	Wet	201	209	132	-23	-99	-138	-70	-90	-184	-154	-94	-99		
1979	Above Normal	-53	-51	-74	-99	-99	-138	-174	-146	-169	-23	112	140		
1980	Wet	118	78	35	-40	-65	-133	-149	-163	-172	-129	-76	-8		
1981	Dry	-14	-28	-62	-99	-99	-124	-136	-181	-99	68	161	156		
1982	Wet	162	110	40	-81	-99	-101	-184	-184	-168	-183	-100	-100		
1983	Wet	-99	-92	-75	-72	-99	-106	68	179	-75	-75	-116	-114		
1984	Above Normal	-64	-75	-67	-75	-78	-82	-83	-111	-120	7	115	127		
1985	Dry	106	54	-1	-51	-63	-66	-135	-182	-81	73	175	159		
1986	Wet	157	137	64	-31	-53	-138	-166	-154	-153	-116	27	67		
1987	Critical	39	19	-8	-48	-51	-76	-129	-139	-39	87	173	169		
1988	Critical	170	165	136	75	56	65	-3	-15	45	143	180	162		
1989	Critical	184	196	169	140	126	104	1	-39	24	137	181	160		
1990	Critical	164	167	142	109	99	106	16	30	94	160	185	172		
1991	Critical	187	206	190	173	182	173	163	125	84	157	193	154		
1992	Critical	169	172	142	109	67	74	-31	-74	35	136	177	164		
1993	Wet	182	189	151	-37	-99	-99	-79	-11	-104	-166	-18	38		
1994	Critical	22	5	-29	-72	-75	-106	-141	-145	-64	78	171	163		
1995	Wet	143	118	65	-95	-99	-128	-72	-42	-136	-75	-126	-45		
1996	Wet	48	71	41	-26	-99	-138	-113	-131	-152	-74	60	96		
1997	Wet	82	-17	-89	-10	-75	-77	-79	-75	-124	4	134	154		
1998	Wet	138	104	55	-55	-99	-101	-157	-8	-184	-75	-112	-23		
1999	Above Normal	33	31	-4	-69	-81	-105	-80	-131	-144	6	128	139		
2000	Above Normal	126	114	86	4	-71	-125	-158	-183	-175	-17	117	143		
2001	Dry	123	96	66	28	24	-17	-33	-137	-59	88	172	161		
2002	Dry	172	169	103	34	8	25	-59	-103	-64	63	165	165		
2003	Below Normal	173	127	75	7	-27	-13	28	-23	-85	59	152	155		

**Percent Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)
From Existing Condition**

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	58%	46%	11%	-13%	-23%	-2%	57%	38%	-35%	-32%	-1%	17%
1923	Above Normal	12%	2%	-20%	-23%	-23%	-23%	-22%	-33%	-26%	-7%	44%	59%
1924	Critical	37%	16%	6%	-2%	-1%	-1%	-11%	-10%	23%	87%	134%	106%
1925	Below Normal	126%	128%	90%	61%	26%	37%	10%	-10%	-8%	18%	76%	86%
1926	Dry	64%	50%	30%	17%	5%	6%	-21%	-35%	-25%	19%	97%	94%
1927	Above Normal	91%	57%	22%	2%	-23%	-25%	-26%	-28%	-30%	-15%	33%	60%
1928	Below Normal	46%	10%	-6%	-17%	-18%	-27%	-30%	-35%	-23%	23%	88%	90%
1929	Critical	112%	121%	94%	72%	77%	104%	74%	24%	36%	86%	130%	90%
1930	Critical	121%	151%	123%	90%	77%	96%	36%	33%	29%	87%	133%	90%
1931	Critical	99%	89%	71%	52%	42%	68%	36%	29%	66%	130%	160%	119%
1932	Above Normal	137%	160%	76%	28%	-17%	-17%	-13%	-20%	-29%	-20%	27%	55%
1933	Dry	47%	34%	21%	6%	10%	12%	12%	50%	20%	41%	100%	86%
1934	Critical	85%	89%	50%	20%	12%	-1%	-21%	-16%	14%	74%	114%	101%
1935	Above Normal	112%	111%	68%	23%	1%	13%	-2%	-28%	-34%	-12%	42%	66%
1936	Above Normal	53%	34%	20%	2%	-23%	-29%	-35%	-35%	-32%	-10%	41%	66%
1937	Wet	60%	45%	20%	3%	-23%	-27%	-35%	-35%	-35%	-19%	28%	54%
1938	Wet	43%	28%	-21%	-23%	-19%	-14%	-6%	11%	-14%	-14%	-19%	-2%
1939	Dry	-5%	-9%	-17%	-23%	-23%	-29%	-35%	-33%	-12%	36%	118%	105%
1940	Above Normal	88%	94%	78%	6%	-18%	-28%	-32%	-35%	-32%	1%	89%	119%
1941	Wet	105%	81%	18%	-17%	-23%	-24%	-17%	-22%	-35%	-35%	-10%	12%
1942	Wet	10%	1%	-21%	-23%	-23%	-27%	-19%	-15%	-35%	-32%	-2%	18%
1943	Wet	13%	-4%	-17%	-18%	-23%	-29%	-35%	-35%	-31%	-10%	40%	62%
1944	Below Normal	57%	40%	23%	7%	3%	1%	9%	-7%	-4%	27%	84%	81%
1945	Above Normal	70%	37%	8%	-8%	-23%	-23%	-23%	-26%	-28%	-16%	29%	51%
1946	Above Normal	25%	-4%	-23%	-23%	-23%	-25%	-28%	-35%	-31%	-4%	56%	76%
1947	Dry	56%	18%	-12%	-23%	-23%	-27%	-28%	-35%	-19%	28%	100%	91%
1948	Below Normal	94%	94%	74%	55%	61%	125%	105%	49%	16%	44%	114%	95%
1949	Below Normal	76%	71%	49%	32%	28%	43%	19%	-9%	-11%	36%	104%	90%
1950	Below Normal	75%	68%	46%	19%	-2%	5%	-14%	-26%	-22%	14%	86%	85%
1951	Above Normal	67%	-5%	-11%	-23%	-23%	-25%	-23%	-22%	-12%	23%	81%	81%
1952	Wet	76%	70%	23%	-21%	-19%	-13%	-9%	-29%	-35%	-35%	-17%	-1%
1953	Below Normal	1%	0%	-12%	-23%	-23%	-23%	-23%	-13%	3%	22%	78%	79%
1954	Below Normal	79%	77%	56%	31%	16%	13%	-10%	-31%	-24%	7%	70%	87%
1955	Dry	76%	64%	35%	12%	9%	9%	19%	15%	-1%	40%	99%	87%
1956	Wet	87%	88%	0%	2%	-23%	-29%	-18%	-8%	-24%	-17%	18%	42%
1957	Below Normal	28%	16%	4%	-9%	-14%	-13%	-5%	-5%	-17%	10%	65%	70%
1958	Wet	57%	48%	20%	1%	-16%	-9%	-13%	-25%	-35%	-8%	9%	9%
1959	Dry	10%	8%	1%	-12%	-22%	-29%	-35%	-32%	-15%	34%	132%	92%
1960	Critical	90%	101%	86%	66%	48%	57%	11%	1%	16%	73%	112%	95%
1961	Critical	105%	86%	53%	37%	25%	44%	15%	15%	41%	114%	132%	104%
1962	Below Normal	116%	131%	93%	65%	-5%	6%	-6%	-21%	-30%	-15%	33%	57%
1963	Above Normal	45%	31%	20%	2%	-23%	-24%	-17%	-19%	-26%	-16%	28%	48%
1964	Dry	36%	6%	-9%	-19%	-16%	-15%	-17%	-16%	-2%	48%	102%	91%
1965	Wet	109%	92%	8%	-22%	-23%	-17%	-7%	-10%	-15%	2%	31%	49%
1966	Below Normal	41%	-1%	-21%	-23%	-23%	-29%	-35%	-35%	-20%	32%	122%	113%
1967	Wet	131%	116%	-10%	-23%	-23%	-12%	-8%	2%	-35%	-30%	-23%	-6%
1968	Dry	13%	17%	9%	-4%	2%	-10%	-21%	-21%	-3%	44%	113%	98%
1969	Wet	105%	83%	41%	2%	-10%	37%	81%	-19%	-14%	-14%	-24%	-4%
1970	Above Normal	7%	6%	-5%	-23%	-23%	-29%	-28%	-28%	-24%	9%	63%	70%
1971	Below Normal	71%	54%	12%	-11%	-18%	-15%	-7%	-14%	-7%	29%	86%	79%
1972	Dry	67%	55%	18%	0%	-6%	-18%	-12%	-12%	1%	62%	148%	91%
1973	Above Normal	94%	79%	41%	5%	-18%	-16%	12%	-27%	-35%	-15%	34%	57%
1974	Wet	40%	1%	-23%	-23%	-23%	-26%	-17%	-28%	-35%	-16%	24%	44%
1975	Wet	33%	18%	2%	-12%	-19%	-24%	-7%	-8%	-31%	-13%	42%	61%
1976	Critical	27%	2%	-8%	-15%	-18%	-23%	-26%	-23%	9%	83%	137%	87%
1977	Critical	85%	81%	70%	56%	53%	52%	39%	56%	84%	138%	160%	125%
1978	Wet	144%	160%	63%	-6%	-23%	-29%	-17%	-21%	-35%	-29%	-22%	-23%
1979	Above Normal	-14%	-13%	-18%	-23%	-23%	-29%	-34%	-28%	-33%	-6%	49%	70%
1980	Wet	53%	30%	11%	-10%	-16%	-28%	-30%	-32%	-33%	-25%	-18%	-2%
1981	Dry	-4%	-8%	-15%	-23%	-23%	-27%	-29%	-35%	-23%	25%	90%	84%
1982	Wet	91%	48%	13%	-19%	-23%	-23%	-35%	-35%	-32%	-35%	-23%	-23%
1983	Wet	-23%	-21%	-18%	-18%	-23%	-23%	25%	111%	-14%	-14%	-23%	-25%
1984	Above Normal	-16%	-17%	-16%	-17%	-18%	-17%	-18%	-22%	-26%	2%	51%	60%
1985	Dry	45%	19%	0%	-13%	-16%	-16%	-28%	-35%	-19%	27%	106%	87%
1986	Wet	86%	68%	23%	-8%	-13%	-29%	-33%	-31%	-29%	-25%	9%	24%
1987	Critical	13%	6%	-2%	-12%	-13%	-18%	-27%	-29%	-10%	34%	104%	98%
1988	Critical	100%	95%	67%	28%	20%	23%	-1%	-4%	15%	73%	113%	91%
1989	Critical	117%	137%	99%	70%	59%	44%	0%	-10%	7%	68%	114%	89%
1990	Critical	94%	96%	71%	47%	41%	45%	5%	10%	38%	89%	119%	102%
1991	Critical	122%	153%	127%	104%	115%	104%	92%	58%	33%	86%	132%	83%
1992	Critical	99%	102%	72%	47%	24%	28%	-8%	-18%	11%	67%	109%	93%
1993	Wet	114%	125%	80%	-10%	-23%	-19%	-3%	-23%	-35%	-33%	-5%	12%
1994	Critical	7%	1%	-8%	-18%	-18%	-24%	-29%	-30%	-16%	30%	101%	93%
1995	Wet	72%	53%	24%	-22%	-23%	-27%	-17%	-11%	-26%	-14%	-26%	-12%
1996	Wet	16%	26%	14%	-7%	-23%	-29%	-25%	-25%	-29%	-18%	22%	39%
1997	Wet	32%	-5%	-21%	-3%	-18%	-16%	-15%	-14%	-27%	1%	65%	83%
1998	Wet	68%	44%	19%	-14%	-23%	-23%	-32%	-2%	-35%	-14%	-25%	-6%
1999	Above Normal	11%	10%	-1%	-17%	-19%	-24%	-19%	-28%	-30%	2%	60%	69%
2000	Above Normal	59%	50%	34%	1%	-17%	-27%	-32%	-35%	-34%	-5%	52%	72%
2001	Dry	57%	39%	24%	9%	8%	-5%	-9%	-29%	-15%	35%	102%	90%
2002	Dry	103%	98%	44%	11%	2%	8%	-15%	-23%	-16%	23%	94%	94%
2003	Below Normal	104%	60%	28%	2%	-7%	-4%	9%	-6%	-20%	21%	81%	84%

Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 3 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	482	500	573	656	747	708	675	853	1,181	1,095	890	735
1923	Above Normal	657	656	719	771	730	723	711	764	647	499	353	323
1924	Critical	353	396	420	442	431	430	465	459	357	258	218	236
1925	Below Normal	220	218	248	280	338	316	376	446	440	363	270	261
1926	Dry	285	303	337	366	396	394	500	608	536	369	253	255
1927	Above Normal	257	295	356	410	524	534	534	619	669	529	367	321
1928	Below Normal	337	411	461	501	504	552	574	633	544	373	271	268
1929	Critical	247	239	259	279	269	244	271	349	323	254	218	247
1930	Critical	221	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	477	461	501	594	509	358	315
1933	Dry	326	348	373	407	394	388	385	307	362	318	245	258
1934	Critical	257	253	299	353	374	411	498	472	368	266	230	239
1935	Above Normal	229	230	271	345	405	368	414	543	622	492	343	310
1936	Above Normal	326	355	382	428	581	641	676	811	741	541	372	323
1937	Wet	325	344	388	435	628	747	834	1,092	1,152	928	681	558
1938	Wet	502	505	684	772	797	947	1,011	1,114	1,331	1,331	1,277	1,077
1939	Dry	1,009	1,001	1,009	1,039	975	1,007	1,080	988	744	522	352	317
1940	Above Normal	317	308	319	443	528	585	599	737	706	526	355	313
1941	Wet	316	336	432	556	699	766	833	943	1,088	1,038	854	701
1942	Wet	642	644	715	822	824	824	877	930	1,090	997	794	653
1943	Wet	580	607	636	759	807	970	1,058	1,200	1,111	884	666	559
1944	Below Normal	493	495	504	519	474	476	447	495	470	374	282	281
1945	Above Normal	291	337	402	452	648	658	627	686	685	553	384	333
1946	Above Normal	375	454	584	673	676	681	694	797	692	516	353	318
1947	Dry	337	405	499	553	569	593	596	653	537	371	265	269
1948	Below Normal	263	262	281	303	292	230	244	305	367	308	229	243
1949	Below Normal	260	266	295	324	331	304	351	441	452	321	237	249
1950	Below Normal	264	272	302	355	417	392	469	535	511	378	264	266
1951	Above Normal	285	439	740	945	1,033	1,020	957	882	729	521	367	326
1952	Wet	318	321	394	538	586	608	716	993	1,189	1,152	1,015	865
1953	Below Normal	774	755	777	856	801	789	756	667	531	455	338	314
1954	Below Normal	305	305	327	363	378	384	462	577	532	399	281	263
1955	Dry	274	287	329	380	403	385	360	371	418	316	245	255
1956	Wet	254	253	549	814	1,012	1,077	1,103	1,111	1,207	1,119	956	802
1957	Below Normal	734	730	729	741	687	667	606	575	550	417	285	271
1958	Wet	283	294	345	391	453	486	617	875	1,034	966	796	671
1959	Dry	594	581	583	617	612	677	715	674	553	379	250	272
1960	Critical	269	258	270	289	308	295	384	414	367	229	231	244
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	389	436	514	545	472	339	310
1963	Above Normal	329	353	375	421	599	607	566	572	593	500	360	326
1964	Dry	344	413	465	502	485	480	491	482	426	306	242	250
1965	Wet	234	248	384	620	720	685	629	629	582	466	374	335
1966	Below Normal	343	443	526	596	599	632	706	751	625	423	294	290
1967	Wet	272	281	498	582	652	665	719	809	1,135	1,331	1,250	1,114
1968	Dry	1,021	1,000	1,014	1,044	1,004	1,022	1,008	934	723	510	350	314
1969	Wet	292	309	359	589	725	761	820	1,192	1,331	1,331	1,287	1,109
1970	Above Normal	1,036	1,025	1,051	1,192	1,165	1,203	1,149	1,099	946	689	481	401
1971	Below Normal	368	379	451	518	528	511	512	502	469	360	276	203
1972	Dry	295	310	376	423	441	493	464	464	415	285	210	249
1973	Above Normal	246	260	311	394	483	471	434	659	735	538	367	319
1974	Wet	340	431	531	678	702	776	836	1,003	1,056	837	639	540
1975	Wet	492	502	525	550	531	555	462	531	682	518	353	319
1976	Critical	371	434	470	496	500	527	543	524	394	263	218	254
1977	Critical	255	258	270	288	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,279	1,331	1,232	1,193
1979	Above Normal	1,104	1,090	1,099	1,178	1,160	1,216	1,252	1,331	1,312	1,045	811	664
1980	Wet	596	606	620	865	1,044	1,152	1,207	1,259	1,331	1,331	1,227	1,062
1981	Dry	973	959	964	981	915	918	885	876	699	485	343	316
1982	Wet	299	348	413	528	639	699	997	1,218	1,331	1,325	1,211	1,143
1983	Wet	1,207	1,320	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,312
1984	Above Normal	1,256	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,267	1,041	858	725
1985	Dry	657	678	700	716	651	646	695	724	596	406	279	286
1986	Wet	282	300	371	461	738	1,014	1,148	1,298	1,331	1,211	989	836
1987	Critical	756	744	737	739	663	680	718	704	567	397	275	264
1988	Critical	257	260	288	346	359	351	418	429	368	270	231	248
1989	Critical	226	213	239	268	282	304	407	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	587	629	818	906	838	660	551
1994	Critical	500	495	505	523	475	506	542	549	470	331	241	249
1995	Wet	269	293	346	547	641	828	949	1,050	1,331	1,331	1,331	1,226
1996	Wet	1,125	1,098	1,124	1,184	1,271	1,309	1,297	1,331	1,331	1,155	910	752
1997	Wet	679	746	938	1,266	1,331	1,331	1,331	1,331	1,286	1,026	790	653
1998	Wet	572	579	599	678	813	883	1,001	978	1,314	1,331	1,309	1,177
1999	Above Normal	1,106	1,102	1,132	1,192	1,190	1,183	1,145	1,166	1,051	784	549	463
2000	Above Normal	443	443	460	528	582	627	649	745	714	511	352	316
2001	Dry	330	355	382	415	410	450	465	566	486	335	247	256
2002	Dry	243	246	311	379	404	387	470	515	476	349	247	247
2003	Below Normal	238	283	335	403	437	422	388	441	502	363	269	267

Change in Simulated End-of-Month Temperance Flat Reservoir Storage (Node S17)
 Alternative 3 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	482	500	573	656	747	708	675	853	1,181	1,095	890	735
1923	Above Normal	657	656	719	771	730	723	711	764	647	499	353	323
1924	Critical	353	396	420	442	431	430	465	459	357	258	218	236
1925	Below Normal	220	218	248	280	338	316	376	446	440	363	270	261
1926	Dry	285	303	337	366	396	394	500	608	536	369	253	255
1927	Above Normal	257	295	356	410	524	534	534	619	669	529	367	321
1928	Below Normal	337	411	461	501	504	552	574	633	544	373	271	268
1929	Critical	247	239	259	279	269	244	271	349	323	254	218	247
1930	Critical	221	202	219	245	258	239	316	321	330	249	214	246
1931	Critical	238	247	265	289	305	269	316	329	272	215	200	221
1932	Above Normal	210	200	262	334	476	477	461	501	594	509	358	315
1933	Dry	326	348	373	407	394	388	385	307	362	318	245	258
1934	Critical	257	253	299	353	374	411	498	472	368	266	230	239
1935	Above Normal	229	230	271	345	405	368	414	543	622	492	343	310
1936	Above Normal	326	355	382	428	581	641	676	811	741	541	372	323
1937	Wet	325	344	388	435	628	747	834	1,092	1,152	928	681	558
1938	Wet	502	505	684	772	797	947	1,011	1,114	1,331	1,331	1,277	1,077
1939	Dry	1,009	1,001	1,009	1,039	975	1,007	1,080	988	744	522	352	317
1940	Above Normal	317	308	319	443	528	585	599	737	706	526	355	313
1941	Wet	316	336	432	556	699	766	833	943	1,088	1,038	854	701
1942	Wet	642	644	715	822	824	824	877	930	1,090	997	794	653
1943	Wet	580	607	636	759	807	970	1,058	1,200	1,111	884	666	559
1944	Below Normal	493	495	504	519	474	476	447	495	470	374	282	281
1945	Above Normal	291	337	402	452	648	658	627	686	685	553	384	333
1946	Above Normal	375	454	584	673	676	681	694	797	692	516	353	318
1947	Dry	337	405	499	553	569	593	596	653	537	371	265	269
1948	Below Normal	263	262	281	303	292	230	244	305	367	308	229	243
1949	Below Normal	260	266	295	324	331	304	351	441	452	321	237	249
1950	Below Normal	264	272	302	355	417	392	469	535	511	378	264	266
1951	Above Normal	285	439	740	945	1,033	1,020	957	882	729	521	367	326
1952	Wet	318	321	394	538	586	608	716	993	1,189	1,152	1,015	865
1953	Below Normal	774	755	777	856	801	789	756	667	531	455	338	314
1954	Below Normal	305	305	327	363	378	384	462	577	532	399	281	263
1955	Dry	274	287	329	380	403	385	360	371	418	316	245	255
1956	Wet	254	253	549	814	1,012	1,077	1,103	1,111	1,207	1,119	956	802
1957	Below Normal	734	730	729	741	687	667	606	575	550	417	285	271
1958	Wet	283	294	345	391	453	486	617	875	1,034	966	796	671
1959	Dry	594	581	583	617	612	677	715	674	553	379	250	272
1960	Critical	269	258	270	289	308	295	384	414	367	269	231	244
1961	Critical	234	251	290	316	339	303	363	362	309	228	215	234
1962	Below Normal	224	214	243	272	424	389	436	514	545	472	339	310
1963	Above Normal	329	353	375	421	599	607	566	572	593	500	360	326
1964	Dry	344	413	465	502	485	480	491	482	426	306	242	250
1965	Wet	234	248	384	620	720	685	629	629	582	466	374	335
1966	Below Normal	343	443	526	596	599	632	706	751	625	423	294	290
1967	Wet	272	281	498	582	652	665	719	809	1,135	1,331	1,250	1,114
1968	Dry	1,021	1,000	1,014	1,044	1,004	1,022	1,008	934	723	510	350	314
1969	Wet	292	309	359	589	725	761	820	1,192	1,331	1,331	1,287	1,109
1970	Above Normal	1,036	1,025	1,051	1,192	1,165	1,203	1,149	1,099	946	689	481	401
1971	Below Normal	368	379	451	518	528	511	512	502	469	360	276	283
1972	Dry	295	310	376	423	441	493	464	464	415	285	210	249
1973	Above Normal	246	260	311	394	483	471	434	659	735	538	367	319
1974	Wet	340	431	531	678	702	776	836	1,003	1,056	837	639	540
1975	Wet	492	502	525	550	531	555	462	531	682	518	353	319
1976	Critical	371	434	470	496	500	527	543	524	394	263	218	254
1977	Critical	255	258	270	288	291	293	314	286	252	211	200	220
1978	Wet	207	200	277	431	606	716	796	963	1,279	1,331	1,232	1,193
1979	Above Normal	1,104	1,090	1,099	1,178	1,160	1,216	1,252	1,331	1,312	1,045	811	664
1980	Wet	596	606	620	865	1,044	1,152	1,207	1,259	1,331	1,331	1,227	1,062
1981	Dry	973	959	964	981	915	918	885	876	699	485	343	316
1982	Wet	299	348	413	528	639	699	997	1,218	1,331	1,325	1,211	1,143
1983	Wet	1,207	1,320	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,312
1984	Above Normal	1,256	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,267	1,041	858	725
1985	Dry	657	678	700	716	651	646	695	724	596	406	279	286
1986	Wet	282	300	371	461	738	1,014	1,148	1,298	1,331	1,211	989	836
1987	Critical	756	744	737	739	663	680	718	704	567	397	275	264
1988	Critical	257	260	288	346	359	351	418	429	368	270	231	248
1989	Critical	226	213	239	268	282	304	407	447	385	273	229	250
1990	Critical	245	242	267	300	310	303	392	377	315	249	224	236
1991	Critical	220	201	216	233	225	233	243	281	322	250	214	252
1992	Critical	237	234	264	296	339	332	436	479	372	273	232	245
1993	Wet	227	220	258	445	542	587	629	818	906	838	660	551
1994	Critical	500	495	505	523	475	506	542	549	470	331	241	249
1995	Wet	269	293	346	547	641	828	949	1,050	1,331	1,331	1,331	1,226
1996	Wet	1,125	1,098	1,124	1,184	1,271	1,309	1,297	1,331	1,331	1,155	910	752
1997	Wet	679	746	938	1,266	1,331	1,331	1,331	1,331	1,286	1,026	790	653
1998	Wet	572	579	599	678	813	883	1,001	978	1,314	1,331	1,309	1,177
1999	Above Normal	1,106	1,102	1,132	1,192	1,190	1,183	1,145	1,166	1,051	784	549	463
2000	Above Normal	443	443	460	528	582	627	649	745	714	511	352	316
2001	Dry	330	355	382	415	410	450	465	566	486	335	247	256
2002	Dry	243	246	311	379	404	387	470	515	476	349	247	247
2003	Below Normal	238	283	335	403	437	422	388	441	502	363	269	267

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,425	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,361	1,397	1,332	1,057	1,216
1938	Wet	1,181	1,189	1,275	1,350	1,532	1,663	1,761	2,027	2,233	2,188	2,094	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,629	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,559	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,615	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,511	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,411
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Alternative 3 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,424	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	897	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,360	1,396	1,331	1,056	1,214
1938	Wet	1,179	1,187	1,273	1,349	1,531	1,662	1,759	2,026	2,232	2,187	2,093	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,630	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,558	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,614	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,512	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,412
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,474	1,722	1,444	1,078	935	770	707	881
1923	Below Normal	965	1,075	1,341	1,402	1,470	1,431	1,195	785	467	429	451	682
1924	Critical	850	1,075	1,293	1,512	1,570	1,453	1,306	1,100	739	744	464	404
1925	Dry	555	692	1,103	1,426	1,595	1,722	1,526	1,153	806	772	580	745
1926	Dry	827	998	1,193	1,458	1,499	1,346	1,212	890	606	619	470	523
1927	Wet	542	1,012	1,315	1,493	1,776	1,891	1,575	1,132	767	716	716	853
1928	Above Normal	846	936	1,408	1,516	1,435	1,680	1,382	946	558	464	480	665
1929	Critical	701	677	1,009	1,126	1,200	1,310	1,243	1,076	767	529	481	452
1930	Dry	534	646	982	1,222	1,412	1,534	1,401	1,148	794	827	642	854
1931	Critical	905	1,028	1,180	1,467	1,653	1,617	1,447	1,199	818	643	343	271
1932	Dry	337	447	1,087	1,433	1,798	1,918	1,712	1,430	984	902	892	971
1933	Critical	1,055	1,174	1,429	1,732	1,976	1,990	1,846	1,608	1,215	892	778	792
1934	Critical	850	927	1,250	1,576	1,765	1,751	1,568	1,333	929	501	281	289
1935	Below Normal	336	505	835	1,183	1,392	1,519	1,313	932	686	605	511	731
1936	Below Normal	858	1,014	1,279	1,429	1,879	2,039	1,815	1,477	1,100	1,045	977	1,095
1937	Below Normal	1,247	1,373	1,770	1,923	2,039	2,039	1,855	1,616	1,385	1,288	1,075	1,056
1938	Wet	1,191	1,579	1,942	2,039	2,039	2,039	1,959	2,039	1,944	1,737	1,539	1,543
1939	Dry	1,556	1,311	1,681	1,688	1,651	1,445	1,135	751	236	195	100	295
1940	Above Normal	267	337	434	645	895	1,287	1,068	693	362	241	233	391
1941	Wet	448	479	821	1,158	1,699	2,010	1,761	1,406	1,137	985	929	1,078
1942	Wet	1,047	1,106	1,383	1,594	1,752	1,855	1,509	1,079	802	624	591	701
1943	Wet	706	763	986	1,291	1,482	1,859	1,585	1,189	770	540	425	550
1944	Dry	515	485	899	996	1,090	1,142	956	639	312	391	333	312
1945	Below Normal	381	872	1,222	1,524	1,871	2,039	1,731	1,268	755	657	645	762
1946	Below Normal	973	1,356	1,661	1,831	1,944	1,991	1,672	1,224	731	648	636	775
1947	Dry	971	1,257	1,544	1,644	1,698	1,579	1,311	877	382	328	152	336
1948	Below Normal	462	682	824	853	684	787	617	312	202	194	307	547
1949	Dry	697	890	1,237	1,514	1,744	1,758	1,446	993	459	354	160	358
1950	Below Normal	357	478	668	785	894	1,111	873	504	372	327	348	575
1951	Above Normal	828	1,270	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,405	1,499	1,878	1,709	1,511	1,455	1,243	1,138	1,249
1953	Wet	1,232	1,230	1,566	1,537	1,532	1,551	1,240	843	422	429	506	736
1954	Above Normal	681	719	1,195	1,197	1,204	1,315	1,050	649	297	118	176	407
1955	Dry	470	702	1,232	1,532	1,734	1,788	1,565	1,193	612	611	400	583
1956	Wet	606	874	1,376	1,823	2,039	2,039	1,712	1,228	917	719	617	699
1957	Above Normal	683	712	1,119	1,144	965	822	616	320	151	129	238	464
1958	Wet	840	1,074	1,359	1,558	1,805	2,039	1,862	1,492	1,297	996	810	919
1959	Below Normal	932	900	1,302	1,165	1,084	1,124	933	563	207	189	249	432
1960	Dry	525	661	847	1,115	1,231	1,323	1,015	667	230	149	100	300
1961	Dry	251	486	990	1,252	1,315	1,506	1,245	869	256	244	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,684	1,795	1,500	1,081	725	711	757	865
1964	Dry	944	1,347	1,615	1,743	1,808	1,817	1,496	1,074	451	432	255	464
1965	Wet	474	558	799	1,132	1,306	1,482	1,227	759	338	214	310	497
1966	Below Normal	439	739	1,239	1,360	1,410	1,435	1,184	768	290	225	255	490
1967	Wet	552	768	1,092	1,392	1,589	1,799	1,629	1,356	1,312	1,205	1,060	1,192
1968	Below Normal	1,272	1,144	1,567	1,572	1,392	1,410	1,139	768	328	341	417	612
1969	Wet	778	1,021	1,546	1,842	2,039	2,039	2,011	2,039	2,022	1,870	1,671	1,654
1970	Wet	1,693	1,464	1,707	1,981	2,039	2,039	1,730	1,269	745	634	618	595
1971	Wet	604	790	1,024	1,061	1,051	1,203	973	591	268	270	357	587
1972	Below Normal	666	624	1,165	1,429	1,434	1,409	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,413	1,603	1,825	1,959	1,659	1,267	879	796	781	755
1974	Wet	980	1,366	1,656	1,853	1,910	2,036	1,712	1,209	817	606	587	703
1975	Wet	818	837	1,282	1,307	1,260	1,467	1,138	674	382	301	357	543
1976	Critical	805	780	1,244	1,327	1,370	1,463	1,294	974	538	464	260	343
1977	Critical	380	455	537	727	843	753	647	548	359	182	235	183
1978	Above Normal	210	239	375	660	1,093	1,424	1,286	1,073	960	852	777	952
1979	Below Normal	992	1,036	1,484	1,615	1,772	1,933	1,647	1,301	811	750	760	790
1980	Above Normal	975	1,055	1,527	1,873	2,039	2,039	1,812	1,441	1,182	1,066	870	536
1981	Dry	616	682	1,128	1,156	1,121	1,150	947	573	249	203	102	333
1982	Wet	469	899	1,157	1,446	1,948	2,039	2,039	1,785	1,537	1,262	1,084	1,200
1983	Wet	1,454	1,720	2,039	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,818	2,039	1,855	1,550	1,377	1,246	1,002	938
1987	Dry	932	744	1,177	1,216	1,214	1,257	1,046	813	480	465	219	220
1988	Critical	294	436	740	935	883	874	789	623	303	422	369	294
1989	Dry	291	532	840	1,178	1,218	1,211	995	603	262	217	100	331
1990	Critical	390	481	727	979	1,072	1,024	859	666	293	480	379	296
1991	Critical	314	401	581	591	687	684	600	423	260	360	231	136
1992	Critical	122	242	364	485	581	717	579	368	148	145	181	100
1993	Above Normal	100	184	420	715	1,000	1,181	874	465	307	236	256	461
1994	Critical	555	577	1,065	1,203	1,302	1,317	1,088	757	192	189	100	134
1995	Wet	144	303	444	695	921	1,421	1,190	1,297	1,193	1,070	923	1,048
1996	Wet	923	804	980	938	1,240	1,586	1,271	910	540	414	411	586
1997	Wet	469	561	1,070	1,512	1,873	2,039	1,701	1,220	791	544	538	702
1998	Wet	667	576	1,028	1,022	1,371	1,724	1,533	1,244	1,156	1,026	866	996
1999	Wet	1,245	1,396	1,547	1,636	1,755	1,904	1,602	1,163	795	750	770	919
2000	Above Normal	630	649	1,071	1,020	1,242	1,544	1,257	820	454	259	269	481
2001	Dry	450	515	991	1,240	1,384	1,526	1,361	1,043	671	697	413	474
2002	Dry	501	736	1,105	1,326	1,531	1,610	1,311	904	446	461	219	398
2003	Above Normal	302	435	620	788	1,004	1,168	923	545	337	297	358	536

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 3 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,351	1,441	1,681	1,390	937	741	541	458	611
1923	Below Normal	688	841	1,094	1,144	1,202	1,125	837	511	355	290	268	457
1924	Critical	654	807	1,092	1,271	1,290	1,155	992	765	411	223	105	120
1925	Dry	186	189	413	715	867	1,079	895	571	295	338	215	415
1926	Dry	497	681	900	1,166	1,211	1,048	903	550	250	233	116	145
1927	Wet	205	614	869	1,037	1,317	1,433	1,125	692	379	336	347	482
1928	Above Normal	475	563	1,033	1,147	1,072	1,318	1,020	586	339	216	207	370
1929	Critical	386	343	658	775	848	950	860	671	423	351	434	452
1930	Dry	514	602	765	986	1,169	1,284	1,148	893	641	645	430	617
1931	Critical	669	794	947	1,225	1,403	1,359	1,193	950	577	375	246	269
1932	Dry	335	401	860	1,196	1,561	1,675	1,464	1,176	723	631	753	856
1933	Critical	932	1,044	1,290	1,585	1,827	1,844	1,705	1,481	1,105	774	681	755
1934	Critical	835	895	1,185	1,512	1,697	1,676	1,484	1,237	817	427	289	299
1935	Below Normal	307	430	650	991	1,196	1,319	1,108	756	647	543	395	569
1936	Below Normal	697	848	1,087	1,236	1,711	1,949	1,687	1,283	902	844	773	958
1937	Below Normal	1,135	1,257	1,659	1,811	2,039	2,039	1,827	1,537	1,240	1,137	979	957
1938	Wet	1,082	1,460	1,822	2,008	2,039	2,039	1,929	1,733	1,666	1,495	1,343	1,417
1939	Dry	1,442	1,216	1,566	1,575	1,540	1,343	1,053	673	155	132	100	291
1940	Above Normal	264	361	444	668	930	1,321	1,099	682	343	211	215	397
1941	Wet	453	472	812	1,147	1,675	1,991	1,744	1,380	1,112	966	914	1,065
1942	Wet	1,038	1,099	1,378	1,571	1,718	1,822	1,477	1,050	773	599	573	713
1943	Wet	719	778	1,002	1,240	1,413	1,780	1,481	1,061	647	424	314	441
1944	Dry	406	415	830	956	1,076	1,138	954	638	314	392	339	319
1945	Below Normal	390	882	1,234	1,537	1,810	2,012	1,707	1,248	741	651	644	766
1946	Below Normal	959	1,343	1,648	1,807	1,931	1,979	1,661	1,215	726	647	638	775
1947	Dry	971	1,258	1,544	1,645	1,699	1,581	1,313	878	381	325	145	328
1948	Below Normal	456	675	818	850	684	788	618	310	201	193	306	547
1949	Dry	696	890	1,237	1,514	1,744	1,758	1,446	993	458	353	157	355
1950	Below Normal	351	473	662	782	893	1,111	872	504	372	327	348	575
1951	Above Normal	829	1,271	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,400	1,494	1,839	1,629	1,396	1,304	1,101	1,007	1,161
1953	Wet	1,147	1,245	1,566	1,487	1,485	1,524	1,248	856	444	462	546	780
1954	Above Normal	729	762	1,236	1,231	1,232	1,335	1,068	662	301	119	174	404
1955	Dry	467	698	1,227	1,527	1,727	1,782	1,561	1,190	612	615	405	580
1956	Wet	604	874	1,308	1,790	2,011	2,039	1,712	1,228	917	718	616	700
1957	Above Normal	684	713	1,120	1,144	966	823	617	320	151	130	239	465
1958	Wet	841	1,074	1,359	1,558	1,805	2,039	1,818	1,420	1,220	931	753	865
1959	Below Normal	880	858	1,263	1,129	1,051	1,098	892	528	205	192	257	439
1960	Dry	531	667	853	1,122	1,239	1,331	1,022	673	230	151	100	304
1961	Dry	261	498	1,002	1,261	1,321	1,510	1,249	872	258	246	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,677	1,788	1,494	1,076	722	709	757	864
1964	Dry	944	1,347	1,615	1,744	1,810	1,819	1,498	1,076	452	432	256	465
1965	Wet	475	560	800	1,113	1,259	1,437	1,185	723	316	205	308	498
1966	Below Normal	441	736	1,239	1,363	1,418	1,443	1,173	759	284	223	256	488
1967	Wet	552	769	1,092	1,395	1,585	1,791	1,574	1,271	1,204	1,022	879	1,015
1968	Below Normal	1,088	1,095	1,526	1,532	1,353	1,377	1,102	730	288	296	371	566
1969	Wet	718	968	1,497	1,768	2,039	2,039	1,979	2,039	2,023	1,872	1,673	1,666
1970	Wet	1,706	1,477	1,721	1,996	2,039	2,039	1,734	1,273	748	636	618	588
1971	Wet	598	783	1,017	1,054	1,044	1,196	967	586	268	270	358	589
1972	Below Normal	667	625	1,166	1,430	1,435	1,410	1,175	775	303	271	334	558
1973	Above Normal	716	1,152	1,414	1,603	1,825	1,959	1,659	1,204	811	729	715	755
1974	Wet	938	1,323	1,614	1,770	1,825	1,967	1,614	1,114	737	545	546	700
1975	Wet	823	841	1,290	1,322	1,281	1,494	1,161	694	396	310	361	544
1976	Critical	808	782	1,244	1,324	1,365	1,457	1,290	971	537	465	261	347
1977	Critical	382	458	541	731	847	756	645	546	357	180	233	181
1978	Above Normal	208	236	373	658	1,038	1,333	1,165	921	742	563	500	682
1979	Below Normal	732	875	1,336	1,504	1,719	1,931	1,617	1,223	735	676	688	771
1980	Above Normal	992	1,091	1,563	1,782	2,039	2,039	1,822	1,463	1,210	987	836	739
1981	Dry	800	764	1,220	1,247	1,215	1,167	963	587	236	196	104	328
1982	Wet	465	894	1,151	1,442	1,911	2,039	2,039	1,740	1,467	1,191	1,013	1,128
1983	Wet	1,376	1,592	1,966	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,685	2,039	1,835	1,503	1,320	1,190	1,022	891
1987	Dry	879	705	1,138	1,177	1,175	1,218	1,012	785	461	444	203	209
1988	Critical	286	430	736	933	881	873	788	624	304	423	370	296
1989	Dry	293	534	842	1,180	1,221	1,214	998	606	266	222	100	329
1990	Critical	388	478	725	977	1,070	1,022	858	665	291	479	377	294
1991	Critical	312	399	580	589	685	682	599	423	260	360	230	134
1992	Critical	121	243	363	482	578	714	577	366	146	145	181	100
1993	Above Normal	100	184	417	713	995	1,174	868	459	305	235	255	460
1994	Critical	554	574	1,063	1,203	1,303	1,318	1,089	758	193	189	100	134
1995	Wet	144	303	444	695	902	1,369	1,117	905	765	665	535	666
1996	Wet	544	520	699	775	1,169	1,541	1,234	849	479	359	406	585
1997	Wet	471	568	1,069	1,510	1,872	2,039	1,684	1,202	774	526	565	730
1998	Wet	675	574	1,027	1,020	1,346	1,697	1,490	1,191	1,137	1,044	919	1,067
1999	Wet	1,234	1,386	1,539	1,639	1,763	1,911	1,617	1,176	805	757	774	710
2000	Above Normal	622	643	1,065	1,012	1,230	1,530	1,245	807	442	245	255	467
2001	Dry	437	504	975	1,231	1,381	1,525	1,359	1,039	666	700	410	470
2002	Dry	496	731	1,099	1,320	1,524	1,603	1,306	899	442	458	213	400
2003	Above Normal	305	434	624	789	1,003	1,167	922	544	336	297	358	537

Change in Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
 Alternative 3 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	0	0	0	-23	-33	-41	-54	-142	-194	-228	-249	-270
1923	Below Normal	-277	-234	-247	-258	-268	-307	-358	-275	-112	-139	-183	-224
1924	Critical	-196	-269	-201	-242	-280	-298	-314	-335	-327	-521	-359	-284
1925	Dry	-370	-503	-690	-711	-727	-643	-630	-582	-512	-434	-365	-330
1926	Dry	-330	-317	-294	-292	-287	-298	-309	-340	-355	-386	-355	-378
1927	Wet	-337	-398	-446	-457	-458	-458	-450	-441	-388	-380	-369	-371
1928	Above Normal	-371	-373	-375	-369	-363	-362	-362	-361	-219	-248	-273	-295
1929	Critical	-316	-334	-352	-351	-352	-360	-383	-406	-343	-179	-47	1
1930	Dry	-20	-44	-217	-236	-243	-250	-253	-256	-153	-181	-212	-238
1931	Critical	-236	-234	-233	-242	-250	-258	-254	-248	-241	-268	-97	-2
1932	Dry	-2	-47	-227	-237	-237	-243	-248	-254	-261	-271	-139	-115
1933	Critical	-123	-131	-138	-146	-149	-146	-141	-128	-110	-118	-97	-37
1934	Critical	-15	-32	-64	-64	-69	-75	-84	-96	-112	-74	8	9
1935	Below Normal	-28	-76	-185	-192	-196	-200	-205	-177	-39	-62	-116	-162
1936	Below Normal	-161	-166	-192	-192	-169	-90	-128	-194	-198	-201	-205	-137
1937	Below Normal	-113	-116	-110	-112	0	0	-27	-79	-146	-151	-96	-100
1938	Wet	-109	-119	-121	-31	0	0	-30	-306	-279	-243	-196	-126
1939	Dry	-114	-95	-115	-113	-111	-102	-82	-78	-81	-63	0	-3
1940	Above Normal	-3	25	10	23	35	34	31	-11	-19	-30	-18	6
1941	Wet	4	-7	-9	-12	-24	-19	-17	-26	-25	-19	-15	-13
1942	Wet	-10	-6	-5	-23	-34	-33	-32	-29	-29	-24	-18	12
1943	Wet	13	15	16	-51	-69	-79	-104	-128	-123	-117	-111	-109
1944	Dry	-109	-70	-69	-40	-13	-4	-3	0	2	1	6	7
1945	Below Normal	8	10	11	13	-61	-27	-24	-20	-14	-6	-1	4
1946	Below Normal	-14	-13	-14	-24	-13	-12	-11	-9	-5	-1	2	0
1947	Dry	0	1	0	1	1	1	2	1	-1	-3	-6	-8
1948	Below Normal	-7	-6	-6	-3	0	1	1	-2	-1	-1	-1	-1
1949	Dry	-1	0	-1	0	0	0	0	0	-1	-2	-2	-2
1950	Below Normal	-5	-5	-5	-3	-1	-1	-1	-1	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	-4	-5	-38	-80	-115	-152	-142	-131	-89
1953	Wet	-85	15	0	-50	-48	-27	8	14	21	33	40	43
1954	Above Normal	49	43	41	34	28	20	18	13	4	1	-2	-4
1955	Dry	-3	-4	-5	-6	-6	-6	-4	-3	0	3	5	-3
1956	Wet	-2	-1	-68	-33	-28	0	0	0	0	-1	-1	1
1957	Above Normal	1	1	0	0	0	1	0	0	0	1	1	1
1958	Wet	0	0	0	0	0	0	-44	-73	-77	-65	-57	-54
1959	Below Normal	-52	-41	-39	-36	-32	-26	-41	-35	-2	3	7	7
1960	Dry	7	6	7	7	8	8	7	7	0	3	0	3
1961	Dry	10	11	12	9	5	4	4	3	3	2	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	-7	-7	-6	-5	-3	-1	0	-1
1964	Dry	0	0	1	1	2	1	1	1	1	0	0	0
1965	Wet	1	1	1	-19	-47	-44	-43	-36	-22	-9	-2	1
1966	Below Normal	2	-2	0	3	8	8	-11	-9	-6	-2	1	-2
1967	Wet	0	0	1	2	-4	-9	-50	-85	-108	-183	-181	-177
1968	Below Normal	-183	-49	-41	-40	-40	-33	-37	-37	-39	-45	-47	-46
1969	Wet	-60	-53	-49	-73	0	0	-31	0	2	2	2	13
1970	Wet	12	14	15	15	0	0	4	4	3	2	1	-7
1971	Wet	-6	-7	-7	-7	-7	-7	-6	-5	0	0	1	1
1972	Below Normal	1	1	1	1	1	1	1	1	1	1	1	1
1973	Above Normal	1	1	1	1	0	0	0	-62	-68	-67	-67	0
1974	Wet	-43	-43	-43	-82	-85	-70	-98	-95	-80	-62	-42	-3
1975	Wet	5	4	8	16	21	27	23	20	14	9	5	2
1976	Critical	3	2	0	-3	-5	-5	-4	-3	-1	1	2	4
1977	Critical	2	3	4	3	3	3	-1	-1	-1	-1	-2	-2
1978	Above Normal	-2	-3	-2	-2	-55	-90	-121	-153	-218	-289	-278	-270
1979	Below Normal	-260	-161	-148	-111	-53	-2	-30	-79	-77	-74	-72	-19
1980	Above Normal	18	36	35	-92	0	0	10	22	28	-79	-34	202
1981	Dry	184	83	92	91	94	17	16	14	-12	-8	1	-5
1982	Wet	-3	-5	-5	-4	-36	0	0	-45	-70	-71	-72	-72
1983	Wet	-78	-128	-73	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-134	0	-19	-46	-57	-57	20	-47
1987	Dry	-52	-39	-39	-39	-39	-39	-34	-28	-19	-21	-16	-11
1988	Critical	-8	-6	-4	-3	-1	-1	0	0	1	0	1	2
1989	Dry	2	2	2	2	3	3	3	3	4	5	0	-2
1990	Critical	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1991	Critical	-2	-2	-2	-2	-2	-2	-2	0	0	0	-1	-1
1992	Critical	-2	0	-1	-3	-3	-3	-3	-2	-2	0	0	0
1993	Above Normal	0	0	-3	-3	-6	-7	-6	-5	-2	-2	-1	-1
1994	Critical	-1	-2	-2	0	1	1	1	1	1	0	0	0
1995	Wet	0	0	0	0	-19	-52	-73	-391	-428	-405	-388	-382
1996	Wet	-378	-284	-281	-163	-72	-46	-37	-61	-62	-55	-6	-1
1997	Wet	3	6	-1	-1	-2	0	-17	-18	-17	-18	28	29
1998	Wet	7	-2	-1	-1	-25	-27	-42	-53	-19	18	53	71
1999	Wet	-11	-10	-8	3	8	7	15	13	10	7	4	-9
2000	Above Normal	-7	-6	-6	-8	-13	-14	-12	-12	-13	-14	-14	-14
2001	Dry	-13	-12	-16	-9	-3	-1	-2	-4	-6	3	-3	-4
2002	Dry	-5	-5	-6	-6	-6	-6	-5	-5	-3	-2	-6	3
2003	Above Normal	3	-1	4	2	-1	-1	-1	-1	-1	0	0	1

Simulated Friant-Kern Canal Diversions (Node D18A)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	2,163	3,085	3,622	4,436	3,653	3,199	1,789	626	161	107	1,096	1,294
1923	Above Normal	848	1,718	2,157	3,070	3,227	2,828	1,585	560	150	96	96	717
1924	Critical	296	373	525	1,119	1,395	853	508	377	169	16	16	200
1925	Below Normal	626	1,141	1,583	2,309	2,424	2,193	1,175	428	127	74	74	420
1926	Dry	603	1,097	1,695	2,184	2,294	2,076	1,114	408	124	71	71	553
1927	Above Normal	891	1,744	3,408	4,329	3,289	2,882	1,615	570	151	98	98	731
1928	Below Normal	670	1,350	2,029	2,351	2,534	2,231	1,226	444	130	77	77	438
1929	Critical	393	494	702	1,527	1,909	1,149	671	495	210	16	16	265
1930	Critical	387	486	690	1,500	1,874	1,129	661	488	207	16	16	261
1931	Critical	210	267	372	768	954	598	368	275	0	16	16	138
1932	Above Normal	923	1,814	2,303	4,247	3,451	3,023	1,693	595	156	102	102	794
1933	Dry	607	1,105	1,532	2,236	2,347	2,124	1,139	416	125	72	72	407
1934	Critical	334	421	594	1,277	1,593	967	571	423	185	16	16	225
1935	Above Normal	854	1,665	2,098	4,151	3,102	2,719	1,526	541	146	93	93	481
1936	Above Normal	1,170	1,639	3,315	3,295	3,130	2,743	1,539	545	147	94	94	390
1937	Wet	508	1,356	1,912	4,121	3,071	2,692	1,511	536	146	629	1,292	1,908
1938	Wet	326	782	1,687	4,462	4,487	3,581	2,208	897	278	220	560	1,094
1939	Dry	788	2,299	1,382	2,011	2,113	1,913	1,030	381	119	66	66	353
1940	Above Normal	809	1,568	3,165	3,410	2,876	2,522	1,418	506	140	87	87	573
1941	Wet	2,206	3,161	2,485	4,446	3,986	3,391	2,093	853	266	209	1,409	1,916
1942	Wet	957	3,003	3,384	4,431	3,622	3,172	1,774	625	160	106	102	2,032
1943	Wet	508	1,464	3,357	3,338	3,203	2,807	1,574	557	149	95	95	712
1944	Below Normal	664	1,339	1,682	2,391	2,576	2,268	1,246	451	131	78	78	390
1945	Above Normal	942	1,856	3,267	4,211	3,550	3,110	1,740	610	158	783	1,304	976
1946	Above Normal	816	1,622	2,975	2,801	2,944	2,581	1,451	517	142	89	186	1,049
1947	Dry	613	1,117	1,714	2,227	2,338	2,115	1,135	415	125	72	72	391
1948	Below Normal	503	912	1,264	1,842	1,936	1,754	948	355	114	62	62	339
1949	Below Normal	576	1,047	1,452	2,116	2,222	2,011	1,081	398	122	69	69	386
1950	Below Normal	646	1,299	1,630	2,316	2,495	2,198	1,208	439	122	1,276	1,276	1,632
1951	Above Normal	681	1,373	1,723	2,449	2,638	2,323	1,275	460	132	79	79	1,640
1952	Wet	706	1,735	1,742	4,450	3,792	3,405	2,101	856	267	210	922	1,090
1953	Below Normal	699	1,411	1,772	2,519	2,714	2,389	1,310	471	134	81	81	468
1954	Below Normal	620	1,130	1,567	2,284	2,398	2,170	1,163	424	126	73	73	415
1955	Dry	599	1,090	1,512	2,205	2,315	2,095	1,124	411	124	70	70	1,588
1956	Wet	1,726	3,083	3,403	4,240	3,851	3,372	1,883	656	166	112	112	885
1957	Below Normal	722	1,457	1,830	2,603	2,737	2,401	1,352	485	137	84	84	632
1958	Wet	921	1,609	2,436	4,448	3,774	3,389	2,092	852	266	209	209	889
1959	Dry	942	1,080	1,463	2,130	2,237	2,025	1,088	400	122	69	69	375
1960	Critical	369	465	658	1,426	1,781	1,076	631	466	200	16	16	249
1961	Critical	306	386	543	1,163	1,450	885	526	390	173	16	16	207
1962	Below Normal	877	1,760	2,229	3,259	3,326	2,914	1,633	575	152	99	99	1,934
1963	Above Normal	963	1,900	2,422	3,926	3,653	3,199	1,789	626	161	107	107	811
1964	Dry	560	1,018	1,410	2,055	2,158	1,954	1,051	388	120	67	1,267	1,575
1965	Wet	967	1,964	2,467	3,514	3,692	3,233	1,807	632	162	108	1,026	988
1966	Below Normal	694	1,888	2,488	2,353	2,470	2,235	1,197	435	128	70	477	1,605
1967	Wet	2,435	1,116	1,555	4,204	4,482	3,626	2,520	1,720	551	485	485	1,787
1968	Dry	495	897	1,241	1,805	1,897	1,718	930	349	113	61	61	332
1969	Wet	636	541	1,223	2,994	4,480	3,423	2,238	1,529	495	430	1,454	1,748
1970	Above Normal	1,134	1,507	1,893	2,691	2,830	2,481	1,396	499	139	86	86	653
1971	Below Normal	695	1,402	1,761	2,503	2,697	2,374	1,302	469	134	81	81	449
1972	Dry	559	1,017	1,408	2,051	2,154	1,950	1,050	387	120	67	67	375
1973	Above Normal	841	2,761	1,956	4,089	3,037	2,662	1,495	531	145	109	1,291	1,191
1974	Wet	1,956	2,910	3,360	4,138	3,208	2,811	1,576	557	149	96	96	739
1975	Wet	881	1,722	3,226	4,280	3,238	2,837	1,591	562	150	96	96	720
1976	Critical	426	534	759	1,654	2,068	1,241	722	532	223	16	16	286
1977	Critical	173	221	305	617	763	476	307	231	0	16	16	119
1978	Wet	846	1,143	1,881	4,326	4,486	3,717	2,428	1,658	533	467	1,452	2,009
1979	Above Normal	1,491	1,631	3,252	3,617	3,024	2,651	1,489	529	144	91	80	377
1980	Wet	895	2,230	3,249	4,460	4,486	3,560	2,195	892	277	219	391	1,154
1981	Dry	661	1,331	1,670	2,372	2,556	2,251	1,236	448	130	77	77	1,642
1982	Wet	2,307	541	2,927	4,461	3,969	3,563	2,197	2,093	1,477	151	112	568
1983	Wet	91	956	1,480	2,351	4,467	3,870	2,873	1,959	1,393	521	1,753	2,042
1984	Above Normal	1,257	1,738	2,183	3,105	3,263	2,860	1,603	566	151	97	97	751
1985	Dry	624	1,137	1,582	2,293	2,407	2,178	1,167	425	126	74	74	390
1986	Wet	465	3,033	3,530	4,429	3,498	3,064	1,715	602	157	103	103	804
1987	Critical	500	906	1,253	1,822	1,914	1,734	938	351	114	61	61	323
1988	Critical	389	489	693	1,507	1,883	1,134	663	490	208	16	16	262
1989	Critical	409	514	730	1,590	1,987	1,195	696	514	216	16	16	275
1990	Critical	316	399	562	1,205	1,503	915	543	402	178	16	16	214
1991	Critical	440	553	787	1,724	2,156	1,292	750	552	230	16	16	287
1992	Critical	384	483	684	1,483	1,852	1,117	654	482	205	16	16	791
1993	Wet	2,190	3,107	3,505	4,440	3,790	3,319	1,854	647	165	111	111	871
1994	Critical	558	1,014	1,404	2,044	2,147	1,944	1,046	386	120	67	657	1,574
1995	Wet	1,036	2,631	2,029	4,076	4,468	3,874	2,876	1,962	622	553	553	2,337
1996	Wet	829	2,935	3,396	4,309	3,268	2,864	1,605	567	151	91	91	658
1997	Wet	1,970	1,881	3,281	2,808	2,952	2,588	1,454	518	142	89	89	390
1998	Wet	902	566	1,578	2,573	4,481	3,577	2,657	1,813	578	511	511	1,953
1999	Above Normal	754	1,524	1,914	2,722	2,861	2,509	1,411	504	140	87	87	637
2000	Above Normal	825	1,601	3,209	3,403	2,953	2,589	1,455	518	142	89	89	681
2001	Dry	592	1,077	1,493	2,175	2,284	2,067	1,110	407	123	71	71	396
2002	Dry	553	1,005	1,392	2,025	2,127	1,926	1,037	383	119	67	67	370
2003	Below Normal	655	1,320	1,658	2,355	2,538	2,235	1,228	n/a	n/a	n/a	n/a	n/a

Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 3 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,276	1,333	2,038	3,641	4,374	3,522	2,616	1,785	570	503	503	1,923
1923	Above Normal	881	1,781	2,231	3,976	3,767	2,910	1,630	575	152	98	98	738
1924	Critical	300	378	532	1,138	1,419	867	516	382	171	16	16	203
1925	Below Normal	606	1,103	1,526	2,220	2,331	2,110	1,132	414	125	72	72	404
1926	Dry	591	1,076	1,487	2,162	2,271	2,055	1,104	405	123	70	70	394
1927	Above Normal	882	1,783	2,233	3,894	3,851	2,912	1,631	575	152	99	99	738
1928	Below Normal	646	1,298	1,625	2,361	2,478	2,242	1,200	436	128	75	75	429
1929	Critical	393	494	701	1,523	1,903	1,146	670	494	209	16	16	265
1930	Critical	379	476	674	1,465	1,830	1,104	647	477	204	16	16	255
1931	Critical	202	258	356	733	909	572	354	265	0	16	16	133
1932	Above Normal	846	1,708	2,140	3,594	3,841	2,825	1,565	554	149	95	95	733
1933	Dry	599	1,090	1,510	2,204	2,314	2,094	1,124	411	124	71	71	401
1934	Critical	327	412	580	1,248	1,557	946	560	414	182	16	16	220
1935	Above Normal	787	1,589	1,988	3,625	2,977	2,589	1,455	518	142	89	89	449
1936	Above Normal	890	1,762	2,257	3,799	4,006	2,940	1,647	580	153	99	99	390
1937	Wet	693	851	1,601	3,811	4,464	3,569	2,288	1,563	505	440	440	2,876
1938	Wet	395	1,153	1,869	4,392	4,474	4,471	3,532	2,023	641	571	571	2,186
1939	Dry	807	1,633	2,042	3,710	3,066	2,667	1,497	532	145	91	80	381
1940	Above Normal	806	1,625	2,035	3,692	3,047	2,650	1,488	529	144	91	91	607
1941	Wet	1,240	1,295	1,911	3,682	4,464	3,706	2,545	1,737	556	489	489	1,869
1942	Wet	1,207	1,261	1,926	3,598	4,399	3,560	2,475	1,690	542	476	370	1,817
1943	Wet	326	920	1,788	3,816	4,465	3,595	2,295	1,568	506	441	441	1,624
1944	Below Normal	669	1,346	1,687	2,386	2,571	2,264	1,243	450	131	78	78	390
1945	Above Normal	989	2,004	2,513	4,246	4,320	3,279	1,832	640	163	109	109	860
1946	Above Normal	832	1,681	2,104	3,738	3,206	2,743	1,539	545	147	94	94	721
1947	Dry	622	1,131	1,565	2,274	2,388	2,161	1,158	422	126	73	73	399
1948	Below Normal	504	915	1,268	1,846	1,940	1,757	950	355	114	62	62	339
1949	Below Normal	566	1,029	1,424	2,074	2,178	1,971	1,061	391	121	68	68	379
1950	Below Normal	619	1,126	1,557	2,264	2,377	2,150	1,153	421	122	73	73	412
1951	Above Normal	895	1,810	2,270	3,939	3,923	2,964	1,660	584	154	100	100	752
1952	Wet	976	1,064	1,824	3,648	4,294	3,685	2,737	1,867	594	526	526	2,013
1953	Below Normal	790	1,600	2,004	3,657	3,010	2,618	1,471	523	143	90	90	688
1954	Below Normal	609	1,108	1,532	2,226	2,337	2,115	1,135	415	125	72	72	405
1955	Dry	590	1,073	1,489	2,169	2,278	2,061	1,107	406	123	70	70	382
1956	Wet	1,349	1,410	2,156	3,628	4,400	3,734	2,773	1,891	602	533	533	2,040
1957	Below Normal	771	1,555	1,948	3,574	2,923	2,542	1,429	510	141	88	88	669
1958	Wet	1,085	842	1,777	3,732	4,468	3,912	2,444	1,668	536	470	470	1,793
1959	Dry	631	1,149	1,589	2,312	2,427	2,196	1,177	428	127	74	74	406
1960	Critical	369	465	657	1,424	1,779	1,074	630	466	200	16	16	249
1961	Critical	297	376	529	1,131	1,409	861	513	380	170	16	16	202
1962	Below Normal	792	1,597	1,998	3,642	2,994	2,604	1,463	521	143	90	90	685
1963	Above Normal	930	1,883	2,361	4,126	3,999	3,081	1,724	605	157	104	104	781
1964	Dry	558	1,015	1,406	2,051	2,154	1,950	1,050	387	120	67	67	375
1965	Wet	993	2,015	2,526	4,400	4,212	3,297	1,842	643	164	110	110	865
1966	Below Normal	700	1,407	1,758	2,485	2,677	2,357	1,293	466	133	70	80	462
1967	Wet	1,436	1,338	1,901	3,616	4,330	3,998	2,968	2,023	641	571	571	2,111
1968	Dry	778	1,575	1,972	3,543	3,026	2,575	1,447	516	142	89	80	390
1969	Wet	949	793	1,769	3,516	4,476	4,471	3,108	2,023	641	571	571	2,186
1970	Above Normal	1,055	1,730	2,089	4,435	4,462	3,610	2,168	882	274	216	216	922
1971	Below Normal	678	1,364	1,709	2,420	2,607	2,296	1,260	455	132	79	79	435
1972	Dry	558	1,012	1,404	2,046	2,149	1,946	1,047	387	120	67	67	374
1973	Above Normal	852	1,721	2,052	3,734	3,801	2,819	1,581	559	149	96	96	741
1974	Wet	1,080	1,129	1,721	3,775	4,345	3,389	2,216	1,514	490	426	426	1,622
1975	Wet	871	1,760	2,208	3,821	3,850	2,879	1,614	569	151	98	98	730
1976	Critical	429	538	765	1,673	2,092	1,255	730	538	224	16	16	289
1977	Critical	167	214	293	591	731	418	297	224	0	16	16	115
1978	Wet	1,084	1,406	2,292	3,616	4,214	4,114	2,968	2,023	641	571	571	2,186
1979	Above Normal	1,230	1,285	1,962	3,744	4,384	3,628	2,521	1,721	551	485	123	1,231
1980	Wet	1,237	1,501	2,301	3,738	4,214	4,114	2,968	2,023	641	571	571	2,186
1981	Dry	819	1,654	2,072	3,749	3,107	2,703	1,517	538	146	92	92	710
1982	Wet	1,436	878	2,301	3,700	4,248	3,998	2,968	2,023	641	503	270	1,362
1983	Wet	128	1,028	1,578	3,094	4,476	4,471	3,108	2,023	641	539	1,771	2,111
1984	Above Normal	1,280	1,341	2,048	3,718	4,341	3,543	2,632	1,796	574	506	506	1,935
1985	Dry	686	1,380	1,726	2,438	2,627	2,313	1,270	458	132	79	79	390
1986	Wet	822	1,394	2,146	4,392	4,419	3,894	2,795	1,906	606	538	538	2,056
1987	Critical	608	1,104	1,528	2,224	2,335	2,113	1,134	415	125	72	72	391
1988	Critical	386	485	688	1,496	1,869	1,126	659	486	207	16	16	260
1989	Critical	402	505	715	1,557	1,946	1,171	683	504	213	16	16	270
1990	Critical	309	390	548	1,176	1,466	894	531	393	175	16	16	209
1991	Critical	433	544	773	1,690	2,114	1,268	737	543	226	16	16	281
1992	Critical	375	471	665	1,441	1,799	1,086	637	470	201	16	16	251
1993	Wet	1,125	1,175	1,793	3,995	4,390	3,518	2,299	1,571	507	442	442	1,685
1994	Critical	543	985	1,363	1,988	2,088	1,891	1,019	377	118	66	66	364
1995	Wet	1,095	1,501	2,125	4,028	4,476	4,471	3,108	2,023	641	571	571	2,111
1996	Wet	1,236	2,542	3,263	4,397	4,353	4,109	2,681	1,829	583	290	123	1,877
1997	Wet	1,937	1,507	3,198	3,655	4,461	3,642	2,523	1,722	552	485	485	1,188
1998	Wet	1,048	730	1,828	3,148	4,476	4,471	3,108	2,023	641	571	571	2,186
1999	Above Normal	1,073	1,126	1,717	4,440	4,467	3,792	2,205	896	278	220	220	905
2000	Above Normal	830	1,674	2,095	3,569	3,344	2,731	1,533	543	147	93	93	718
2001	Dry	593	1,078	1,494	2,172	2,281	2,064	1,108	406	123	70	70	396
2002	Dry	546	993	1,373	1,999	2,099	1,901	1,024	379	119	66	66	366
2003	Below Normal	627	1,141	1,580	2,295	2,409	2,180	1,168	n/a	n/a	n/a	n/a	n/a

Change in Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-887	-1,752	-1,584	-795	721	322	827	1,159	409	396	-593	628
1923	Above Normal	33	63	74	906	541	82	45	15	2	2	2	21
1924	Critical	4	5	7	19	23	14	7	5	2	0	0	3
1925	Below Normal	-20	-38	-56	-89	-93	-83	-43	-14	-2	-2	-2	-15
1926	Dry	-11	-21	-208	-22	-23	-21	-11	-3	-1	-1	-1	-158
1927	Above Normal	-9	38	-1,175	-436	562	30	16	5	1	1	1	7
1928	Below Normal	-23	-52	-404	9	-56	10	-26	-8	-1	-1	-1	-9
1929	Critical	0	0	-1	-4	-5	-3	-2	-1	0	0	0	-1
1930	Critical	-8	-10	-16	-35	-44	-25	-14	-10	-3	0	0	-6
1931	Critical	-8	-10	-16	-36	-45	-26	-14	-10	0	0	0	-6
1932	Above Normal	-77	-105	-163	-654	389	-198	-127	-41	-7	-7	-7	-61
1933	Dry	-8	-15	-22	-32	-34	-30	-16	-5	-1	-1	-1	-6
1934	Critical	-7	-9	-14	-29	-37	-21	-12	-8	-3	0	0	-5
1935	Above Normal	-67	-76	-110	-526	-125	-130	-71	-23	-4	-4	-4	-33
1936	Above Normal	-280	123	-1,058	504	876	197	108	35	6	6	6	0
1937	Wet	185	-505	-310	-311	1,393	877	777	1,027	359	-189	-853	969
1938	Wet	69	371	181	-69	-13	891	1,324	1,126	363	351	11	1,093
1939	Dry	18	-667	660	1,699	953	754	467	151	26	25	14	28
1940	Above Normal	-3	57	-1,131	282	171	128	70	23	4	4	4	33
1941	Wet	-966	-1,866	-574	-764	478	315	452	885	290	280	-920	-47
1942	Wet	251	-1,741	-1,458	-833	777	388	701	1,064	382	370	268	-216
1943	Wet	-181	-544	-1,569	478	1,262	788	721	1,011	357	345	345	911
1944	Below Normal	5	7	5	-5	-5	-5	-2	-1	0	0	0	0
1945	Above Normal	46	148	-754	35	769	169	92	30	5	-674	-1,195	-116
1946	Above Normal	16	59	-871	938	262	161	88	28	5	5	-92	-328
1947	Dry	9	14	-149	48	50	45	23	8	1	1	1	8
1948	Below Normal	1	3	4	4	4	3	2	1	0	0	0	1
1949	Below Normal	-10	-19	-27	-42	-44	-40	-21	-7	-1	-1	-1	-7
1950	Below Normal	-27	-172	-73	-52	-119	-47	-55	-18	0	-1,203	-1,203	-1,220
1951	Above Normal	214	438	547	1,490	1,284	641	385	124	21	21	21	-888
1952	Wet	270	-671	81	-801	502	280	635	1,011	327	317	-396	923
1953	Below Normal	91	189	233	1,138	296	229	161	52	9	9	9	221
1954	Below Normal	-11	-22	-35	-58	-61	-54	-28	-9	-2	-2	-2	-10
1955	Dry	-9	-17	-23	-35	-37	-33	-17	-6	-1	0	0	-1,206
1956	Wet	-377	-1,673	-1,247	-612	549	362	889	1,235	435	421	421	1,155
1957	Below Normal	49	97	118	971	186	142	77	25	4	4	4	37
1958	Wet	164	-767	-658	-716	694	523	352	817	270	261	261	904
1959	Dry	-311	69	126	182	190	171	89	29	5	5	5	31
1960	Critical	0	0	-1	-2	-2	-1	-1	0	0	0	0	0
1961	Critical	-8	-10	-15	-32	-41	-24	-13	-9	-3	0	0	-5
1962	Below Normal	-85	-163	-231	383	-332	-310	-169	-55	-9	-9	-9	-1,249
1963	Above Normal	-33	-17	-61	200	346	-119	-65	-21	-4	-3	-3	-30
1964	Dry	-2	-4	-4	-4	-4	-4	-2	-1	0	0	-1,200	-1,201
1965	Wet	27	51	59	886	519	64	35	11	2	2	-916	-122
1966	Below Normal	5	-481	-730	131	207	122	96	31	5	0	-396	-1,143
1967	Wet	-999	223	347	-588	-153	372	448	303	90	87	87	324
1968	Dry	283	678	731	1,738	1,129	857	518	167	29	28	19	58
1969	Wet	313	251	546	523	-4	1,048	870	494	146	141	-883	438
1970	Above Normal	-79	222	196	1,744	1,633	1,128	772	382	135	130	130	269
1971	Below Normal	-16	-38	-52	-84	-90	-79	-42	-14	-2	-2	-2	-14
1972	Dry	-2	-5	-5	-5	-5	-4	-2	-1	0	0	0	-1
1973	Above Normal	10	-1,041	96	-355	764	157	86	28	5	-13	-1,195	-451
1974	Wet	-876	-1,781	-1,639	-363	1,137	578	640	957	341	330	330	884
1975	Wet	-10	38	-1,018	-459	612	42	23	7	1	1	1	11
1976	Critical	3	4	7	19	24	14	8	6	2	0	0	3
1977	Critical	-6	-8	-12	-25	-32	-58	-10	-7	0	0	0	-4
1978	Wet	237	263	412	-710	-272	397	540	366	108	105	-881	177
1979	Above Normal	-260	-347	-1,290	126	1,360	977	1,033	1,192	407	394	43	855
1980	Wet	342	-729	-948	-722	-272	554	772	1,131	364	352	180	1,032
1981	Dry	159	323	402	1,377	551	452	281	91	16	15	15	-931
1982	Wet	-871	337	-626	-761	280	435	770	-69	-836	352	157	795
1983	Wet	36	71	98	743	9	602	235	64	-753	18	18	69
1984	Above Normal	23	-398	-135	613	1,078	684	1,029	1,230	423	409	409	1,183
1985	Dry	62	243	144	146	220	135	102	33	6	6	6	0
1986	Wet	357	-1,639	-1,384	-37	922	830	1,080	1,304	449	435	435	1,252
1987	Critical	107	198	275	403	421	379	196	63	11	11	11	68
1988	Critical	-3	-3	-6	-11	-14	-8	-5	-3	-1	0	0	-2
1989	Critical	-7	-9	-15	-33	-41	-24	-13	-9	-3	0	0	-5
1990	Critical	-7	-8	-14	-30	-37	-22	-12	-9	-3	0	0	-5
1991	Critical	-7	-9	-14	-33	-42	-24	-13	-10	-3	0	0	-5
1992	Critical	-9	-12	-19	-42	-53	-30	-17	-12	-4	0	0	-540
1993	Wet	-1,065	-1,931	-1,712	-445	599	199	445	924	342	331	331	814
1994	Critical	-15	-29	-41	-56	-59	-53	-27	-9	-2	-1	-591	-1,210
1995	Wet	59	-1,130	95	-48	8	597	232	62	18	18	18	-226
1996	Wet	408	-393	-133	88	1,085	1,245	1,076	1,263	433	199	32	1,219
1997	Wet	-34	-374	-83	848	1,509	1,054	1,069	1,204	409	396	396	798
1998	Wet	146	164	250	575	-5	894	451	211	62	60	60	233
1999	Above Normal	319	-399	-197	1,719	1,606	1,283	794	392	138	133	133	268
2000	Above Normal	5	73	-1,113	166	391	142	78	25	4	4	4	37
2001	Dry	1	1	0	-3	-3	-3	-1	0	0	0	0	-1
2002	Dry	-7	-12	-19	-27	-28	-25	-13	-4	-1	-1	-1	-5
2003	Below Normal	-28	-180	-78	-60	-128	-55	-60	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Friant-Kern Canal Diversions (Node D18A)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-41%	-57%	-44%	-18%	20%	10%	46%	185%	254%	370%	-54%	49%
1923	Above Normal	4%	4%	3%	30%	17%	3%	3%	3%	2%	3%	3%	3%
1924	Critical	1%	1%	1%	2%	2%	2%	1%	1%	1%	0%	0%	2%
1925	Below Normal	-3%	-3%	-4%	-4%	-4%	-4%	-4%	-3%	-2%	-3%	-3%	-4%
1926	Dry	-2%	-2%	-12%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-29%
1927	Above Normal	-1%	2%	-34%	-10%	17%	1%	1%	1%	1%	1%	1%	1%
1928	Below Normal	-3%	-4%	-20%	0%	-2%	0%	-2%	-2%	-1%	-2%	-2%	-2%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1931	Critical	-4%	-4%	-4%	-5%	-5%	-4%	-4%	-4%	-	0%	0%	-4%
1932	Above Normal	-8%	-6%	-7%	-15%	11%	-7%	-8%	-7%	-5%	-7%	-7%	-8%
1933	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1934	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1935	Above Normal	-8%	-5%	-5%	-13%	-4%	-5%	-5%	-4%	-3%	-4%	-4%	-7%
1936	Above Normal	-24%	7%	-32%	15%	28%	7%	7%	6%	4%	6%	6%	0%
1937	Wet	36%	-37%	-16%	-8%	45%	33%	51%	191%	-8%	30%	-66%	51%
1938	Wet	21%	47%	11%	-2%	0%	25%	60%	126%	130%	159%	2%	100%
1939	Dry	2%	-29%	48%	84%	45%	39%	45%	40%	22%	38%	22%	8%
1940	Above Normal	0%	4%	-36%	8%	6%	5%	5%	4%	3%	4%	4%	6%
1941	Wet	-44%	-59%	-23%	-17%	12%	9%	22%	104%	109%	134%	-65%	-2%
1942	Wet	26%	-58%	-43%	-19%	21%	12%	40%	170%	238%	348%	264%	-11%
1943	Wet	-36%	-37%	-47%	14%	39%	28%	46%	182%	239%	362%	362%	128%
1944	Below Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	5%	8%	-23%	1%	22%	5%	5%	5%	3%	-86%	-92%	-12%
1946	Above Normal	2%	4%	-29%	33%	9%	6%	6%	6%	3%	5%	-50%	-31%
1947	Dry	1%	1%	-9%	2%	2%	2%	2%	2%	1%	2%	2%	2%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%
1950	Below Normal	-4%	-13%	-4%	-2%	-5%	-2%	-5%	-4%	0%	-94%	-94%	-75%
1951	Above Normal	31%	32%	32%	61%	49%	28%	30%	27%	16%	26%	26%	-54%
1952	Wet	38%	-39%	5%	-18%	13%	8%	30%	118%	122%	151%	-43%	85%
1953	Below Normal	13%	13%	13%	45%	11%	10%	12%	11%	7%	11%	11%	47%
1954	Below Normal	-2%	-2%	-2%	-3%	-3%	-3%	-2%	-2%	-1%	-2%	-2%	-2%
1955	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	0%	0%	-76%
1956	Wet	-22%	-54%	-37%	-14%	14%	11%	47%	188%	262%	376%	376%	131%
1957	Below Normal	7%	7%	6%	37%	7%	6%	6%	5%	3%	5%	5%	6%
1958	Wet	18%	-48%	-27%	-16%	18%	15%	17%	96%	101%	125%	125%	102%
1959	Dry	-33%	6%	9%	9%	9%	8%	8%	7%	4%	7%	7%	8%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	-3%	-2%	-3%	-3%	-3%	-3%	-2%	-2%	-2%	0%	0%	-3%
1962	Below Normal	-10%	-9%	-10%	12%	-10%	-11%	-10%	-9%	-6%	-9%	-9%	-65%
1963	Above Normal	-3%	-1%	-3%	5%	9%	-4%	-4%	-3%	-2%	-3%	-3%	-4%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-95%	-76%
1965	Wet	3%	3%	2%	25%	14%	2%	2%	2%	1%	2%	-89%	-12%
1966	Below Normal	1%	-25%	-29%	6%	8%	5%	8%	7%	4%	0%	-83%	-71%
1967	Wet	-41%	20%	22%	-14%	-3%	10%	18%	18%	16%	18%	18%	18%
1968	Dry	57%	76%	59%	96%	60%	50%	56%	48%	25%	46%	32%	18%
1969	Wet	49%	46%	45%	17%	0%	31%	39%	32%	30%	33%	-61%	25%
1970	Above Normal	-7%	15%	10%	65%	58%	45%	55%	77%	97%	152%	152%	41%
1971	Below Normal	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-3%	-3%	-3%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	1%	-38%	5%	-9%	25%	6%	6%	5%	3%	-12%	-93%	-38%
1974	Wet	-45%	-61%	-49%	-9%	35%	21%	41%	172%	229%	345%	345%	120%
1975	Wet	-1%	2%	-32%	-11%	19%	1%	1%	1%	1%	1%	1%	1%
1976	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	1%
1977	Critical	-4%	-4%	-4%	-4%	-4%	-12%	-3%	-3%	-	0%	0%	-3%
1978	Wet	28%	23%	22%	-16%	11%	22%	22%	22%	20%	22%	-61%	9%
1979	Above Normal	-17%	-21%	-40%	3%	45%	37%	69%	225%	282%	433%	53%	227%
1980	Wet	38%	-33%	-29%	-16%	-6%	16%	35%	127%	132%	161%	46%	89%
1981	Dry	24%	24%	24%	58%	22%	20%	23%	20%	12%	20%	20%	-57%
1982	Wet	-38%	62%	-21%	-17%	7%	12%	35%	-3%	-57%	234%	140%	140%
1983	Wet	40%	7%	7%	32%	0%	16%	8%	3%	-54%	4%	1%	3%
1984	Above Normal	2%	-23%	-6%	20%	33%	24%	64%	217%	281%	422%	422%	157%
1985	Dry	10%	21%	9%	6%	9%	6%	9%	8%	4%	7%	7%	0%
1986	Wet	77%	-54%	-39%	-1%	26%	27%	63%	217%	286%	422%	422%	156%
1987	Critical	21%	22%	22%	22%	22%	22%	21%	18%	10%	17%	17%	21%
1988	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1990	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%
1992	Critical	-2%	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-68%
1993	Wet	-49%	-62%	-49%	-10%	16%	6%	24%	143%	208%	300%	300%	93%
1994	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-1%	-2%	-90%	-77%
1995	Wet	6%	-43%	5%	-1%	0%	15%	8%	3%	3%	3%	3%	-10%
1996	Wet	49%	-13%	-4%	2%	33%	43%	67%	223%	287%	218%	35%	185%
1997	Wet	-2%	-20%	-3%	30%	51%	41%	73%	233%	287%	445%	445%	204%
1998	Wet	16%	29%	16%	22%	0%	25%	17%	12%	11%	12%	12%	12%
1999	Above Normal	42%	-26%	-10%	63%	56%	51%	56%	78%	98%	154%	154%	42%
2000	Above Normal	1%	5%	-35%	5%	13%	5%	5%	5%	3%	5%	5%	5%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2003	Below Normal	-4%	-14%	-5%	-3%	-5%	-2%	-5%	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	513	972	1,250	1,226	1,064	400	48	5	0	10	5
1923	Above Normal	123	340	649	899	1,051	911	339	41	7	0	0	0
1924	Critical	0	0	130	363	444	308	45	0	0	0	0	0
1925	Below Normal	0	0	270	813	988	681	109	0	0	0	0	0
1926	Dry	0	0	284	750	912	629	100	0	0	0	0	6
1927	Above Normal	126	347	869	1,122	1,078	935	349	41	2	0	0	1
1928	Below Normal	0	0	351	866	1,052	725	117	0	0	0	0	0
1929	Critical	0	0	169	489	595	412	63	0	0	0	0	0
1930	Critical	0	0	166	480	585	405	61	0	0	0	0	0
1931	Critical	0	0	96	256	313	143	107	0	0	0	0	0
1932	Above Normal	133	366	706	1,140	1,144	993	372	47	16	0	0	0
1933	Dry	0	0	258	776	943	651	104	0	0	0	0	0
1934	Critical	0	0	145	412	502	349	52	0	0	0	0	0
1935	Above Normal	67	119	668	1,113	1,067	925	345	50	0	0	0	59
1936	Above Normal	62	340	908	918	1,011	877	326	34	6	0	0	99
1937	Wet	34	522	852	1,117	987	855	317	38	0	5	27	0
1938	Wet	0	235	1,144	1,250	1,250	1,221	462	35	26	0	3	26
1939	Dry	29	201	231	687	835	577	91	0	0	0	0	0
1940	Above Normal	83	303	824	1,178	1,250	933	145	0	0	0	0	140
1941	Wet	0	24	1,061	1,250	1,250	1,143	431	35	15	0	49	11
1942	Wet	78	576	917	1,231	1,213	1,053	395	48	5	0	146	31
1943	Wet	175	403	913	939	1,041	903	336	41	5	0	0	0
1944	Below Normal	0	0	293	886	1,076	742	119	0	0	0	0	190
1945	Above Normal	112	379	883	1,159	1,191	1,034	388	48	5	7	22	16
1946	Above Normal	117	314	759	799	935	810	300	36	0	0	1	31
1947	Dry	0	0	289	771	937	647	103	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	241	720	875	604	96	0	0	0	0	0
1950	Below Normal	0	0	281	848	1,029	710	114	0	0	217	78	65
1951	Above Normal	0	0	302	916	1,113	767	124	0	0	0	0	0
1952	Wet	3	282	1,071	1,250	1,250	1,195	451	67	10	0	7	15
1953	Below Normal	0	0	313	953	1,157	797	129	0	0	0	0	0
1954	Below Normal	0	0	266	801	972	671	107	0	0	0	0	0
1955	Dry	0	0	253	760	924	638	101	0	0	146	291	26
1956	Wet	237	593	939	1,215	1,250	1,172	442	59	16	0	0	0
1957	Below Normal	0	0	327	996	1,209	834	135	0	0	0	0	0
1958	Wet	68	7	1,078	1,250	1,250	1,184	447	66	21	0	0	0
1959	Dry	57	4	243	725	881	608	96	0	0	0	0	0
1960	Critical	0	0	159	458	558	387	58	0	0	0	0	0
1961	Critical	0	0	134	377	460	320	47	0	0	0	0	0
1962	Below Normal	94	354	682	957	1,100	954	356	44	7	0	0	49
1963	Above Normal	146	388	751	1,125	1,226	1,064	400	42	6	0	0	1
1964	Dry	0	0	234	700	850	587	93	0	0	0	41	76
1965	Wet	147	405	768	1,064	1,242	1,078	405	49	5	0	9	6
1966	Below Normal	0	81	428	835	1,015	700	112	0	0	0	4	49
1967	Wet	233	17	1,250	1,250	1,250	1,250	813	257	15	11	9	55
1968	Dry	0	0	209	617	750	518	81	0	0	0	0	147
1969	Wet	7	325	1,159	1,250	1,250	1,156	646	70	19	0	10	4
1970	Above Normal	38	0	341	1,042	1,250	884	144	0	0	0	0	0
1971	Below Normal	0	0	311	945	1,147	791	128	0	0	0	0	0
1972	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1973	Above Normal	24	510	805	1,059	973	843	313	33	1	1	84	21
1974	Wet	226	516	850	1,073	1,043	904	337	41	5	0	0	0
1975	Wet	53	347	843	1,119	1,074	931	347	44	7	0	0	0
1976	Critical	0	0	181	528	643	445	68	0	0	0	0	0
1977	Critical	0	0	82	209	257	49	158	0	0	0	0	53
1978	Wet	5	10	1,250	1,250	1,250	1,250	735	171	10	0	10	2
1979	Above Normal	24	317	865	951	968	838	311	38	0	0	186	234
1980	Wet	40	718	1,074	1,250	1,250	1,213	458	59	21	0	1	31
1981	Dry	0	0	290	877	1,065	734	118	0	0	0	0	77
1982	Wet	10	140	1,174	1,250	1,250	1,250	542	241	92	232	249	11
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	239	79	37
1984	Above Normal	192	345	659	912	1,066	924	345	42	1	0	0	0
1985	Dry	0	0	269	805	978	675	108	0	0	0	0	252
1986	Wet	156	508	915	1,243	1,162	1,008	378	47	16	0	0	0
1987	Critical	0	0	211	622	757	523	82	0	0	0	0	0
1988	Critical	0	0	167	483	588	407	62	0	0	0	0	0
1989	Critical	0	0	175	508	619	428	65	0	0	0	0	0
1990	Critical	0	0	138	390	476	330	48	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	165	475	579	401	61	0	0	0	0	22
1993	Wet	68	542	961	1,250	1,250	1,164	439	60	5	0	0	0
1994	Critical	0	0	234	696	846	584	92	0	0	0	6	46
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,113	433	26	9	7	39
1996	Wet	148	519	910	1,124	1,068	926	345	38	2	148	715	135
1997	Wet	269	360	867	802	938	813	301	36	0	0	0	166
1998	Wet	0	96	1,250	1,250	1,250	1,250	928	204	54	42	34	56
1999	Above Normal	0	0	346	1,058	1,250	914	149	0	0	0	0	0
2000	Above Normal	23	317	806	901	938	813	301	7	9	4	3	3
2001	Dry	0	0	249	746	906	625	99	0	0	0	0	0
2002	Dry	0	0	232	690	839	579	91	0	0	0	0	0
2003	Below Normal	0	0	287	868	1,054	727	117	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Alternative 3 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	516	1,128	1,250	1,250	1,250	1,250	285	71	68	68	76
1923	Above Normal	130	357	677	932	1,089	945	353	43	7	0	0	0
1924	Critical	0	0	132	369	451	313	46	0	0	0	0	0
1925	Below Normal	0	0	257	768	934	644	103	0	0	0	0	0
1926	Dry	0	0	248	739	898	620	98	0	0	0	0	0
1927	Above Normal	125	357	679	934	1,091	947	354	41	2	0	0	1
1928	Below Normal	0	0	280	839	1,019	703	113	0	0	0	0	0
1929	Critical	0	0	169	488	594	411	62	0	0	0	0	0
1930	Critical	0	0	163	470	572	397	60	0	0	0	0	0
1931	Critical	0	0	93	245	300	104	138	0	0	0	0	0
1932	Above Normal	123	337	642	884	1,033	896	334	40	7	0	0	0
1933	Dry	0	0	253	760	923	637	101	0	0	0	0	0
1934	Critical	0	0	142	403	491	341	50	0	0	0	0	0
1935	Above Normal	65	115	621	854	999	866	322	46	0	0	0	0
1936	Above Normal	27	370	703	966	1,129	980	366	38	13	1	0	0
1937	Wet	10	548	930	1,229	1,250	1,250	784	160	13	0	0	0
1938	Wet	0	235	1,250	1,250	1,250	1,250	1,180	164	82	57	46	89
1939	Dry	115	317	604	834	975	845	313	38	0	0	0	0
1940	Above Normal	82	318	607	834	975	845	313	39	0	0	0	0
1941	Wet	0	24	1,164	1,250	1,250	1,250	1,250	148	71	68	68	76
1942	Wet	170	602	1,008	1,250	1,250	1,250	1,041	315	20	16	13	51
1943	Wet	50	556	935	1,225	1,250	1,250	777	156	13	0	0	0
1944	Below Normal	0	0	294	884	1,073	740	119	0	0	0	0	0
1945	Above Normal	118	419	791	1,089	1,250	1,118	421	54	5	0	0	0
1946	Above Normal	120	330	628	865	1,011	876	326	39	0	0	0	0
1947	Dry	0	0	266	796	967	667	106	0	0	0	0	0
1948	Below Normal	0	0	213	630	766	530	83	0	0	0	0	0
1949	Below Normal	0	0	237	706	858	592	94	0	0	0	0	0
1950	Below Normal	0	0	264	790	960	662	106	0	0	0	0	0
1951	Above Normal	133	364	692	954	1,115	967	362	44	1	1	0	0
1952	Wet	3	282	1,213	1,250	1,250	1,250	1,207	401	71	68	68	83
1953	Below Normal	112	308	590	814	952	825	306	37	0	0	0	0
1954	Below Normal	0	0	258	771	937	647	103	0	0	0	0	0
1955	Dry	0	0	248	743	902	623	99	0	0	0	0	0
1956	Wet	204	634	1,160	1,250	1,250	1,250	1,235	275	82	68	68	111
1957	Below Normal	108	296	568	1,077	1,250	957	147	0	0	0	0	0
1958	Wet	38	7	1,098	1,250	1,250	1,250	1,194	439	58	34	27	31
1959	Dry	0	0	271	815	990	683	109	0	0	0	0	0
1960	Critical	0	0	159	457	557	386	58	0	0	0	0	0
1961	Critical	0	0	131	367	448	311	45	0	0	0	0	0
1962	Below Normal	84	310	592	815	952	825	306	38	0	0	0	0
1963	Above Normal	140	384	727	1,002	1,170	1,015	381	41	6	0	0	0
1964	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1965	Wet	153	419	791	1,089	1,250	1,118	421	53	5	0	0	0
1966	Below Normal	0	0	310	935	1,135	783	126	0	0	0	0	0
1967	Wet	178	17	1,250	1,250	1,250	1,250	1,250	433	71	68	68	105
1968	Dry	110	302	577	797	932	807	299	36	0	0	0	0
1969	Wet	7	325	1,250	1,250	1,250	1,250	1,180	155	71	61	49	59
1970	Above Normal	135	456	859	1,184	1,250	1,250	509	87	10	0	0	0
1971	Below Normal	0	0	299	901	1,094	755	122	0	0	0	0	0
1972	Dry	0	0	233	697	847	585	92	0	0	0	0	0
1973	Above Normal	25	349	663	916	1,070	928	346	37	3	2	1	1
1974	Wet	145	526	879	1,157	1,250	1,194	668	120	15	2	1	1
1975	Wet	53	357	680	935	1,093	948	354	45	7	0	0	0
1976	Critical	0	0	183	534	650	450	69	0	0	0	0	0
1977	Critical	0	0	79	201	247	49	151	0	0	0	0	0
1978	Wet	0	10	1,250	1,250	1,250	1,250	856	439	71	68	68	76
1979	Above Normal	114	565	1,048	1,250	1,250	1,250	1,197	255	43	33	26	38
1980	Wet	185	752	1,246	1,250	1,250	1,250	1,250	395	82	68	68	99
1981	Dry	118	323	616	848	992	860	319	39	0	0	0	0
1982	Wet	47	65	1,250	1,250	1,250	1,250	886	185	71	242	238	0
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	78	266	72	30
1984	Above Normal	210	651	1,080	1,250	1,250	1,250	1,250	205	71	68	66	90
1985	Dry	0	0	303	911	1,106	763	123	0	0	0	0	0
1986	Wet	45	545	1,192	1,250	1,250	1,250	1,121	434	82	68	68	86
1987	Critical	0	0	257	770	936	646	103	0	0	0	0	0
1988	Critical	0	0	166	479	584	404	61	0	0	0	0	0
1989	Critical	0	0	172	498	606	420	64	0	0	0	0	0
1990	Critical	0	0	135	381	465	323	47	0	0	0	0	0
1991	Critical	0	0	184	539	656	454	70	0	0	0	0	0
1992	Critical	0	0	161	462	563	390	59	0	0	0	0	0
1993	Wet	36	527	948	1,240	1,250	1,250	810	167	10	0	0	0
1994	Critical	0	0	227	677	823	569	90	0	0	0	0	0
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,190	434	29	11	9	23
1996	Wet	139	601	1,250	1,250	1,250	1,250	1,250	128	71	68	279	54
1997	Wet	271	662	1,250	1,250	1,250	1,250	1,113	362	15	11	9	0
1998	Wet	0	96	1,250	1,250	1,250	1,250	1,154	204	71	56	45	66
1999	Above Normal	168	522	873	1,202	1,250	1,250	552	92	10	0	0	0
2000	Above Normal	95	330	629	865	1,011	877	326	8	10	4	4	3
2001	Dry	0	0	249	744	904	624	99	0	0	0	0	0
2002	Dry	0	0	229	681	828	572	90	0	0	0	0	0
2003	Below Normal	0	0	269	806	979	676	108	n/a	n/a	n/a	n/a	n/a

Change in Simulated Madera Canal Diversions (Node D18B)
 Alternative 3 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	4	156	0	24	186	850	236	66	68	58	71
1923	Above Normal	7	17	28	33	39	34	13	2	0	0	0	0
1924	Critical	0	0	2	6	7	5	1	0	0	0	0	0
1925	Below Normal	0	0	-13	-45	-54	-37	-6	0	0	0	0	0
1926	Dry	0	0	-37	-11	-13	-9	-2	0	0	0	0	-6
1927	Above Normal	-1	10	-190	-188	14	12	5	0	0	0	0	0
1928	Below Normal	0	0	-72	-27	-32	-22	-4	0	0	0	0	0
1929	Critical	0	0	0	-1	-2	-1	0	0	0	0	0	0
1930	Critical	0	0	-3	-11	-13	-9	-2	0	0	0	0	0
1931	Critical	0	0	-3	-11	-13	-40	30	0	0	0	0	0
1932	Above Normal	-10	-29	-64	-256	-111	-97	-38	-7	-9	0	0	0
1933	Dry	0	0	-5	-16	-20	-13	-2	0	0	0	0	0
1934	Critical	0	0	-3	-9	-11	-7	-1	0	0	0	0	0
1935	Above Normal	-3	-4	-47	-258	-68	-59	-23	-4	0	0	0	-59
1936	Above Normal	-35	31	-205	49	118	103	41	5	7	1	0	-99
1937	Wet	-24	26	78	112	263	395	467	121	13	-5	-27	0
1938	Wet	0	0	106	0	0	29	718	129	56	57	43	63
1939	Dry	86	116	374	147	140	268	222	38	0	0	0	0
1940	Above Normal	0	15	-217	-344	-275	-88	168	39	0	0	0	-140
1941	Wet	0	0	103	0	0	107	819	113	56	68	19	65
1942	Wet	92	25	91	19	37	197	645	267	15	16	-134	20
1943	Wet	-125	153	22	286	209	347	440	115	8	0	0	0
1944	Below Normal	0	0	1	-3	-3	-2	0	0	0	0	0	-190
1945	Above Normal	6	40	-92	-70	59	84	33	6	0	-7	-22	-16
1946	Above Normal	3	16	-131	65	76	66	26	3	0	0	-1	-31
1947	Dry	0	0	-24	24	29	20	3	0	0	0	0	0
1948	Below Normal	0	0	1	1	1	1	0	0	0	0	0	0
1949	Below Normal	0	0	-4	-14	-17	-12	-2	0	0	0	0	0
1950	Below Normal	0	0	-17	-57	-69	-48	-8	0	0	-217	-78	-65
1951	Above Normal	133	364	390	38	2	200	238	44	1	1	0	0
1952	Wet	0	0	142	0	0	55	756	334	61	68	61	68
1953	Below Normal	112	308	277	-139	-205	28	177	37	0	0	0	0
1954	Below Normal	0	0	-8	-29	-35	-24	-4	0	0	0	0	0
1955	Dry	0	0	-5	-18	-22	-15	-3	0	0	-146	-291	-26
1956	Wet	-33	40	220	35	0	78	793	216	66	68	68	111
1957	Below Normal	108	296	242	80	41	123	11	0	0	0	0	0
1958	Wet	-31	0	20	0	0	66	747	373	37	34	27	31
1959	Dry	-57	-4	28	90	108	74	13	0	0	0	0	0
1960	Critical	0	0	0	0	-1	0	0	0	0	0	0	0
1961	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1962	Below Normal	-10	-44	-90	-143	-147	-129	-51	-6	-7	0	0	-49
1963	Above Normal	-7	-4	-23	-123	-56	-49	-19	-1	0	0	0	-1
1964	Dry	0	0	-1	-1	-1	-1	0	0	0	0	-41	-76
1965	Wet	5	13	23	26	8	40	16	4	0	0	-9	-6
1966	Below Normal	0	-81	-118	100	121	83	14	0	0	0	-4	-49
1967	Wet	-55	0	0	0	0	0	437	176	56	57	59	50
1968	Dry	110	302	369	180	182	289	218	36	0	0	-147	0
1969	Wet	0	0	91	0	0	94	534	84	51	61	39	55
1970	Above Normal	98	456	517	141	0	366	366	87	10	0	0	0
1971	Below Normal	0	0	-12	-43	-53	-36	-6	0	0	0	0	0
1972	Dry	0	0	-1	-2	-2	-1	0	0	0	0	0	0
1973	Above Normal	0	-161	-142	-143	98	85	34	4	2	1	-82	-19
1974	Wet	-81	11	29	83	207	290	331	79	10	2	1	1
1975	Wet	0	10	-163	-183	19	17	7	1	0	0	0	0
1976	Critical	0	0	1	6	7	5	1	0	0	0	0	0
1977	Critical	0	0	-3	-8	-9	0	-8	0	0	0	0	-53
1978	Wet	-5	0	0	0	0	0	121	268	61	68	58	73
1979	Above Normal	90	248	184	299	282	412	886	217	43	33	-160	-196
1980	Wet	145	34	172	0	0	37	792	336	61	68	67	68
1981	Dry	118	323	326	-28	-73	126	201	39	0	0	0	-77
1982	Wet	37	-75	76	0	0	0	344	-57	-21	11	-11	-11
1983	Wet	0	0	0	0	0	0	0	0	-22	27	-7	-7
1984	Above Normal	17	306	421	338	184	326	905	163	69	68	66	90
1985	Dry	0	0	34	106	128	88	15	0	0	0	0	-252
1986	Wet	-111	37	277	7	88	242	743	387	66	68	68	86
1987	Critical	0	0	46	148	179	123	21	0	0	0	0	0
1988	Critical	0	0	-1	-3	-4	-3	0	0	0	0	0	0
1989	Critical	0	0	-3	-10	-12	-8	-1	0	0	0	0	0
1990	Critical	0	0	-3	-9	-11	-8	-1	0	0	0	0	0
1991	Critical	0	0	-3	-10	-12	-9	-1	0	0	0	0	0
1992	Critical	0	0	-4	-13	-16	-11	-2	0	0	0	0	-22
1993	Wet	-33	-15	-14	-10	0	86	371	107	5	0	0	0
1994	Critical	0	0	-6	-19	-23	-16	-3	0	0	0	-6	-46
1995	Wet	0	0	0	0	0	0	77	0	3	2	2	-16
1996	Wet	-9	82	340	126	182	324	905	90	68	-80	-436	-81
1997	Wet	2	302	383	448	312	437	812	325	15	11	9	-166
1998	Wet	0	0	0	0	0	0	226	0	16	14	11	10
1999	Above Normal	168	522	527	144	0	336	403	92	10	0	0	0
2000	Above Normal	72	14	-178	-36	73	64	25	1	1	0	0	0
2001	Dry	0	0	0	-2	-2	-1	0	0	0	0	0	0
2002	Dry	0	0	-3	-9	-11	-7	-1	0	0	0	0	0
2003	Below Normal	0	0	-18	-62	-75	-51	-9	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Madera Canal Diversions (Node D18B)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-	1%	16%	0%	2%	17%	213%	489%	1358%	-	567%	1472%
1923	Above Normal	5%	5%	4%	4%	4%	4%	4%	4%	0%	-	-	-
1924	Critical	-	-	1%	2%	2%	2%	2%	-	-	-	-	-
1925	Below Normal	-	-	-5%	-5%	-5%	-5%	-6%	-	-	-	-	-
1926	Dry	-	-	-13%	-1%	-1%	-1%	-2%	-	-	-	-	-100%
1927	Above Normal	-1%	3%	-22%	-17%	1%	1%	1%	1%	3%	14%	14%	14%
1928	Below Normal	-	-	-20%	-3%	-3%	-3%	-3%	-	-	-	-	-
1929	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1930	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1931	Critical	-	-	-4%	-4%	-4%	-28%	28%	-	-	-	-	-
1932	Above Normal	-8%	-8%	-9%	-22%	-10%	-10%	-10%	-14%	-55%	-	-	-
1933	Dry	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1934	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1935	Above Normal	-4%	-4%	-7%	-23%	-6%	-6%	-7%	-7%	-	-	-	-100%
1936	Above Normal	-56%	9%	-23%	5%	12%	12%	12%	14%	124%	-	-	-100%
1937	Wet	-70%	5%	9%	10%	27%	46%	147%	315%	-	-100%	-100%	-
1938	Wet	-	0%	9%	0%	0%	2%	156%	366%	217%	-	1360%	246%
1939	Dry	291%	58%	162%	21%	17%	46%	245%	-	-	-	-	-
1940	Above Normal	0%	5%	-26%	-29%	-22%	-9%	116%	-	-	-	-	-100%
1941	Wet	-	0%	10%	0%	0%	9%	190%	322%	386%	-	39%	584%
1942	Wet	118%	4%	10%	2%	3%	19%	163%	558%	320%	-	-91%	64%
1943	Wet	-71%	38%	2%	30%	20%	38%	131%	283%	168%	-	-	-
1944	Below Normal	-	-	0%	0%	0%	0%	0%	-	-	-	-	-100%
1945	Above Normal	5%	11%	-10%	-6%	5%	8%	9%	12%	0%	-100%	-100%	-100%
1946	Above Normal	3%	5%	-17%	8%	8%	8%	9%	9%	-	-	-100%	-100%
1947	Dry	-	-	-8%	3%	3%	3%	3%	-	-	-	-	-
1948	Below Normal	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1949	Below Normal	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1950	Below Normal	-	-	-6%	-7%	-7%	-7%	-	-	-100%	-100%	-100%	-
1951	Above Normal	-	-	129%	4%	0%	26%	192%	-	-	-	-	-
1952	Wet	0%	0%	13%	0%	0%	5%	168%	496%	629%	-	863%	462%
1953	Below Normal	-	-	88%	-15%	-18%	3%	137%	-	-	-	-	-
1954	Below Normal	-	-	-3%	-4%	-4%	-4%	-4%	-	-	-	-	-
1955	Dry	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-100%	-100%	-100%
1956	Wet	-14%	7%	23%	3%	0%	7%	179%	369%	408%	-	-	-
1957	Below Normal	-	-	74%	8%	3%	15%	8%	-	-	-	-	-
1958	Wet	-45%	0%	2%	0%	0%	6%	167%	561%	178%	-	-	-
1959	Dry	-100%	-100%	12%	12%	12%	12%	13%	-	-	-	-	-
1960	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1961	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-
1962	Below Normal	-11%	-12%	-13%	-15%	-13%	-14%	-14%	-14%	-100%	-	-	-100%
1963	Above Normal	-4%	-1%	-3%	-1%	-5%	-5%	-2%	-2%	-100%	-100%	-100%	-100%
1964	Dry	-	-	0%	0%	0%	0%	0%	-	-	-	-100%	-100%
1965	Wet	4%	3%	3%	2%	1%	4%	4%	8%	0%	-	-100%	-100%
1966	Below Normal	-	-100%	-28%	12%	12%	12%	13%	-	-	-	-100%	-100%
1967	Wet	-24%	0%	0%	0%	0%	0%	54%	69%	386%	508%	660%	92%
1968	Dry	-	-	177%	29%	24%	56%	269%	-	-	-	-100%	-
1969	Wet	0%	0%	8%	0%	0%	8%	83%	120%	265%	-	367%	1248%
1970	Above Normal	259%	-	152%	14%	0%	41%	254%	-	-	-	-	-
1971	Below Normal	-	-	-4%	-5%	-5%	-5%	-5%	-	-	-	-	-
1972	Dry	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1973	Above Normal	2%	-32%	-18%	-13%	10%	10%	11%	13%	191%	93%	-98%	-95%
1974	Wet	-36%	2%	3%	8%	20%	32%	98%	194%	201%	-	-	-
1975	Wet	0%	3%	-19%	-16%	2%	2%	2%	2%	0%	-	-	-
1976	Critical	-	-	1%	1%	1%	1%	1%	-	-	-	-	-
1977	Critical	-	-	-3%	-4%	-4%	0%	-5%	-	-	-	-	-100%
1978	Wet	-100%	0%	0%	0%	0%	0%	16%	157%	629%	-	569%	3092%
1979	Above Normal	376%	78%	21%	31%	29%	49%	285%	578%	-	-	-86%	-84%
1980	Wet	362%	5%	16%	0%	0%	3%	173%	574%	291%	-	5317%	223%
1981	Dry	-	-	112%	-3%	-7%	17%	170%	-	-	-	-	-100%
1982	Wet	372%	-53%	6%	0%	0%	0%	63%	-23%	-23%	5%	-4%	-100%
1983	Wet	-	0%	0%	0%	0%	0%	0%	0%	-22%	11%	-9%	-18%
1984	Above Normal	9%	89%	64%	37%	17%	35%	263%	391%	4761%	-	-	-
1985	Dry	-	-	13%	13%	13%	13%	14%	-	-	-	-	-100%
1986	Wet	-71%	7%	30%	1%	8%	24%	197%	826%	408%	-	-	-
1987	Critical	-	-	22%	24%	24%	24%	26%	-	-	-	-	-
1988	Critical	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1989	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1990	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1991	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1992	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-100%
1993	Wet	-48%	-3%	-1%	-1%	0%	7%	84%	177%	100%	-	-	-
1994	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-100%	-100%
1995	Wet	-	0%	0%	0%	0%	0%	7%	0%	12%	27%	27%	-41%
1996	Wet	-6%	16%	37%	11%	17%	35%	262%	233%	3175%	-54%	-61%	-60%
1997	Wet	1%	84%	44%	56%	33%	54%	270%	895%	-	-	-	-100%
1998	Wet	-	0%	0%	0%	0%	0%	24%	0%	30%	34%	34%	18%
1999	Above Normal	-	-	152%	14%	0%	37%	271%	-	-	-	-	-
2000	Above Normal	308%	4%	-22%	-4%	8%	8%	8%	10%	7%	12%	12%	12%
2001	Dry	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
2002	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
2003	Below Normal	-	-	-6%	-7%	-7%	-7%	-8%	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	22	43	60	138	189	174	98	36	6	5	5	29
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	79	102	61	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1929	Critical	21	25	47	111	143	86	38	25	8	0	0	13
1930	Critical	21	25	46	109	140	84	37	25	8	0	0	12
1931	Critical	10	12	22	52	67	36	22	12	0	0	0	6
1932	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	18	21	38	91	118	71	31	21	7	0	0	10
1935	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1937	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1938	Wet	17	28	56	129	191	177	100	38	12	6	6	30
1939	Dry	33	59	92	151	169	142	60	18	3	3	3	18
1940	Above Normal	31	52	86	158	188	152	71	21	4	4	3	20
1941	Wet	22	37	60	129	191	177	100	38	11	6	6	30
1942	Wet	22	43	64	138	189	174	98	36	6	5	5	29
1943	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	58	97	160	179	151	64	19	3	3	3	19
1950	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1951	Above Normal	37	62	98	158	182	149	65	20	3	3	3	20
1952	Wet	20	37	56	129	191	177	100	40	11	6	6	30
1953	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	22	37	60	129	191	177	100	40	12	6	6	30
1959	Dry	33	59	98	161	180	152	64	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	16	19	35	83	106	64	28	19	6	0	0	9
1962	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1963	Above Normal	22	43	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	57	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1967	Wet	11	19	43	101	185	188	122	64	15	7	7	34
1968	Dry	27	49	82	135	152	128	54	16	3	3	3	16
1969	Wet	17	28	52	115	193	181	104	50	13	7	7	30
1970	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1973	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1974	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	8	9	17	40	52	22	22	9	0	0	0	5
1978	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1979	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1980	Wet	17	28	56	129	191	177	100	40	12	6	6	30
1981	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1982	Wet	17	28	52	129	191	177	100	40	11	6	6	30
1983	Wet	3	9	35	101	183	197	130	69	23	8	8	34
1984	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1987	Critical	28	50	83	136	153	129	55	17	3	3	3	17
1988	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1989	Critical	22	27	49	116	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	163	98	43	29	10	0	0	14
1992	Critical	21	25	45	107	138	83	36	25	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	31	56	94	154	173	145	62	19	3	3	3	19
1995	Wet	3	9	30	101	183	197	130	78	20	7	7	34
1996	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1997	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1998	Wet	9	14	39	101	179	191	124	64	19	9	9	35
1999	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	56	93	153	171	144	61	19	3	3	3	19
2003	Below Normal	37	62	98	158	182	149	65	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 3 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	9	14	39	101	179	191	124	69	20	11	7	36
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	19	34	81	104	63	27	19	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1929	Critical	21	25	46	111	143	86	38	25	8	0	0	13
1930	Critical	20	24	44	106	137	82	36	24	8	0	0	12
1931	Critical	9	11	21	49	63	32	23	11	0	0	0	6
1932	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	17	21	37	89	115	69	30	20	7	0	0	10
1935	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1937	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1938	Wet	3	5	30	101	183	197	130	66	23	10	9	37
1939	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1940	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1941	Wet	11	19	43	101	185	188	122	59	19	11	8	35
1942	Wet	11	19	43	101	185	188	122	64	16	8	7	34
1943	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
1946	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	131	55	17	3	3	3	17
1949	Below Normal	32	57	95	156	176	148	63	19	3	3	3	19
1950	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1951	Above Normal	26	43	64	151	191	163	79	27	5	5	5	20
1952	Wet	9	14	35	100	181	194	128	76	21	7	7	36
1953	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	6	9	35	100	181	194	128	71	22	11	7	36
1957	Below Normal	31	52	86	158	188	152	71	21	4	4	3	20
1958	Wet	14	24	47	114	194	184	106	57	16	7	7	30
1959	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	15	18	34	80	103	62	27	18	6	0	0	9
1962	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1963	Above Normal	26	43	64	146	187	170	95	33	5	5	5	20
1964	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1967	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1968	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1969	Wet	3	5	30	101	183	197	130	66	23	10	10	35
1970	Above Normal	20	33	56	129	191	177	100	40	11	6	6	30
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	154	173	146	62	19	3	3	3	19
1973	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1974	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	122	158	95	42	28	9	0	0	14
1977	Critical	7	9	16	38	49	19	21	9	0	0	0	4
1978	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1979	Above Normal	11	19	43	101	185	188	122	64	17	8	7	33
1980	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1981	Dry	31	52	86	157	188	158	73	24	4	4	4	20
1982	Wet	3	5	30	101	183	197	130	68	23	11	7	32
1983	Wet	3	5	30	101	183	197	130	69	23	10	8	34
1984	Above Normal	9	14	39	101	179	191	124	64	20	11	11	37
1985	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1986	Wet	6	9	35	100	181	194	128	76	21	7	7	36
1987	Critical	33	59	98	162	182	153	65	20	3	3	3	20
1988	Critical	21	25	45	109	140	84	37	25	8	0	0	12
1989	Critical	22	26	48	113	146	88	38	26	9	0	0	13
1990	Critical	16	19	35	84	108	65	28	19	6	0	0	10
1991	Critical	24	28	52	124	159	96	42	28	9	0	0	14
1992	Critical	20	24	44	104	134	81	35	24	8	0	0	12
1993	Wet	17	28	52	115	193	181	104	52	12	7	7	30
1994	Critical	30	55	91	150	168	141	60	18	3	3	3	18
1995	Wet	3	5	30	101	183	197	130	78	20	7	7	33
1996	Wet	9	14	39	101	179	191	124	60	20	11	7	31
1997	Wet	9	19	43	101	185	188	122	64	15	7	7	31
1998	Wet	3	5	30	101	183	197	130	69	23	10	9	36
1999	Above Normal	17	28	52	129	191	177	100	40	11	6	6	30
2000	Above Normal	28	47	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	55	91	150	169	142	60	18	3	3	3	18
2003	Below Normal	33	59	98	162	182	153	65	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
 Alternative 3 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-14	-28	-21	-37	-10	17	27	33	14	6	1	7
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	1	1	2	1	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	1	3	0	3	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1931	Critical	-1	-1	-1	-3	-4	-4	1	-1	0	0	0	0
1932	Above Normal	3	5	16	4	4	-8	-7	-1	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	0
1935	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	-3	0	0	-6	3	5	6	3	1	1	1	0
1937	Wet	-11	-24	-34	-42	5	23	30	29	9	3	3	10
1938	Wet	-14	-24	-26	-28	-8	20	30	28	11	4	3	8
1939	Dry	-2	-7	-6	6	19	16	13	5	1	1	1	1
1940	Above Normal	0	0	0	-1	0	6	3	3	0	0	1	0
1941	Wet	-11	-18	-16	-28	-6	10	21	21	7	5	2	6
1942	Wet	-11	-24	-21	-37	-4	14	24	28	10	2	2	5
1943	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	-3	-5	-5	-9	2	3	3	3	1	1	1	9
1946	Above Normal	-3	-5	-5	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	-1	-1	-2	-3	-4	-3	-1	0	0	0	0	0
1950	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1951	Above Normal	-11	-20	-33	-8	9	14	15	7	1	1	1	0
1952	Wet	-11	-23	-21	-29	-10	17	27	36	10	1	1	7
1953	Below Normal	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	-16	-28	-25	-38	-8	20	30	35	16	5	1	8
1957	Below Normal	-2	-5	-4	0	0	0	0	0	0	0	0	0
1958	Wet	-9	-14	-12	-15	3	7	6	18	4	1	1	1
1959	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1962	Below Normal	3	5	5	6	-2	-5	-6	-3	-1	-1	-1	0
1963	Above Normal	3	0	5	9	-3	-3	-3	-3	-1	-1	-1	-9
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	-3	0	-3	0	0	0	0	0	0
1967	Wet	-9	-14	-13	0	-1	10	9	14	7	-1	-1	2
1968	Dry	3	2	4	22	36	31	19	7	1	1	1	3
1969	Wet	-14	-24	-22	-14	-10	16	27	16	10	4	3	5
1970	Above Normal	-13	-24	-34	-29	3	25	30	19	7	2	3	10
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-5	-5	-6	3	5	6	3	1	1	1	0
1974	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	1	2	1	0	0	0	0	0	0
1977	Critical	0	0	-1	-2	-3	-4	-1	0	0	0	0	0
1978	Wet	-9	-19	-17	-13	-11	13	24	21	9	0	0	6
1979	Above Normal	-17	-33	-42	-56	-4	29	48	41	13	4	3	13
1980	Wet	-14	-24	-26	-28	-8	20	30	38	11	1	1	7
1981	Dry	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1982	Wet	-14	-24	-22	-28	-8	20	30	28	11	5	1	3
1983	Wet	0	-5	-5	0	0	0	0	0	0	2	0	0
1984	Above Normal	-20	-33	-42	-49	-11	28	45	38	15	6	6	17
1985	Dry	4	3	-1	-3	0	-3	0	0	0	0	0	0
1986	Wet	-20	-33	-30	-46	-6	24	33	42	16	2	2	17
1987	Critical	5	9	15	25	28	24	10	3	1	1	1	3
1988	Critical	0	0	0	-1	-1	-1	0	0	0	0	0	0
1989	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1990	Critical	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	0
1991	Critical	0	-1	-1	-3	-3	-2	-1	-1	0	0	0	0
1992	Critical	-1	-1	-1	-3	-4	-3	-1	-1	0	0	0	0
1993	Wet	-5	-9	-8	-23	4	7	6	16	7	1	1	1
1994	Critical	-1	-2	-3	-4	-5	-4	-2	-1	0	0	0	-1
1995	Wet	0	-5	0	0	0	0	0	0	0	0	0	0
1996	Wet	-20	-33	-42	-49	-11	28	45	33	15	6	2	12
1997	Wet	-20	-33	-42	-56	-4	29	48	41	11	3	3	11
1998	Wet	-6	-10	-9	0	4	7	6	5	4	1	1	1
1999	Above Normal	-16	-28	-38	-29	3	25	30	19	7	2	3	10
2000	Above Normal	-3	-5	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
2003	Below Normal	-4	-3	1	3	0	3	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-62%	-66%	-35%	-27%	-5%	10%	27%	91%	260%	105%	25%	24%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	2%	2%	2%	2%	2%	2%	2%	2%	2%	-	-	2%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1930	Critical	-2%	-2%	-3%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1931	Critical	-5%	-5%	-5%	-5%	-5%	-11%	4%	-5%	-	-	-	-5%
1932	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-9%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-2%	-3%	-3%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1935	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	-9%	0%	0%	-4%	1%	3%	8%	13%	28%	17%	17%	0%
1937	Wet	-40%	-46%	-40%	-27%	3%	14%	41%	122%	420%	67%	67%	53%
1938	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	74%	93%	71%	59%	26%
1939	Dry	-6%	-12%	-6%	4%	11%	11%	21%	29%	29%	29%	29%	7%
1940	Above Normal	0%	0%	0%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1941	Wet	-50%	-49%	-27%	-22%	-3%	6%	21%	54%	64%	82%	31%	19%
1942	Wet	-50%	-55%	-33%	-27%	-2%	8%	25%	77%	183%	43%	40%	17%
1943	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	158%	43%	43%	53%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	-13%	-12%	-7%	-6%	1%	2%	3%	8%	13%	14%	14%	47%
1946	Above Normal	-9%	-9%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1950	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1951	Above Normal	-30%	-32%	-34%	-5%	5%	9%	23%	36%	43%	42%	40%	0%
1952	Wet	-57%	-61%	-38%	-23%	-5%	10%	27%	92%	92%	13%	11%	24%
1953	Below Normal	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-74%	-75%	-42%	-27%	-4%	12%	31%	96%	253%	104%	25%	26%
1957	Below Normal	-6%	-8%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	-38%	-37%	-21%	-12%	2%	4%	6%	44%	36%	11%	11%	2%
1959	Dry	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1961	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1962	Below Normal	9%	10%	7%	4%	-1%	-3%	-8%	-11%	-22%	-14%	-14%	0%
1963	Above Normal	15%	0%	8%	6%	-1%	-2%	-3%	-7%	-12%	-12%	-12%	-32%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	-76%	-76%	-30%	0%	-1%	5%	7%	21%	48%	-8%	-8%	7%
1968	Dry	12%	5%	4%	16%	24%	35%	44%	44%	44%	44%	44%	20%
1969	Wet	-85%	-84%	-42%	-12%	-5%	9%	26%	33%	74%	57%	46%	17%
1970	Above Normal	-40%	-42%	-38%	-18%	1%	16%	42%	89%	181%	50%	80%	50%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	-9%	-6%	-4%	1%	3%	8%	13%	21%	17%	17%	0%
1974	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	160%	43%	43%	53%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	-	-	1%
1977	Critical	-5%	-5%	-5%	-5%	-5%	-16%	-5%	-5%	-	-	-	-5%
1978	Wet	-76%	-81%	-36%	-11%	-6%	7%	23%	36%	65%	21%	0%	20%
1979	Above Normal	-60%	-63%	-50%	-35%	-2%	19%	66%	172%	331%	112%	67%	68%
1980	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	97%	93%	11%	11%	24%
1981	Dry	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1982	Wet	-85%	-84%	-42%	-22%	-4%	11%	30%	71%	104%	82%	11%	9%
1983	Wet	0%	-50%	-13%	0%	0%	0%	0%	0%	0%	22%	-5%	-1%
1984	Above Normal	-70%	-69%	-52%	-33%	-6%	17%	57%	141%	326%	134%	131%	85%
1985	Dry	12%	6%	-1%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1986	Wet	-77%	-78%	-46%	-32%	-3%	14%	34%	126%	285%	43%	43%	85%
1987	Critical	18%	18%	18%	19%	19%	19%	19%	19%	19%	19%	19%	19%
1988	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-	-	-1%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1990	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1992	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1993	Wet	-24%	-25%	-13%	-17%	2%	4%	6%	44%	124%	25%	25%	5%
1994	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
1995	Wet	0%	-50%	0%	0%	0%	0%	0%	0%	1%	2%	2%	-1%
1996	Wet	-70%	-69%	-52%	-33%	-6%	17%	57%	124%	323%	134%	43%	60%
1997	Wet	-70%	-63%	-50%	-35%	-2%	19%	66%	172%	289%	84%	81%	57%
1998	Wet	-69%	-68%	-22%	0%	2%	3%	5%	7%	19%	10%	8%	4%
1999	Above Normal	-48%	-50%	-42%	-18%	1%	16%	42%	89%	181%	50%	80%	50%
2000	Above Normal	-9%	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
2003	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	90	130	124	100	78	27	0	0	0	0	16
1923	Above Normal	28	71	85	77	61	57	29	5	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	3	5	9	15	17	14	6	2	0	0	0	2
1926	Dry	1	2	4	4	4	4	1	0	0	0	0	0
1927	Above Normal	34	73	90	81	67	62	31	6	0	0	0	20
1928	Below Normal	1	14	18	24	28	22	9	3	0	0	0	3
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	36	83	114	98	85	66	22	1	1	1	1	22
1933	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	25	50	77	64	57	56	32	8	1	1	1	6
1936	Above Normal	25	66	82	63	56	54	32	7	1	1	1	0
1937	Wet	1	44	63	58	50	50	29	7	1	1	1	18
1938	Wet	0	28	99	168	120	108	53	14	2	7	7	21
1939	Dry	2	2	1	1	1	1	0	0	0	0	0	0
1940	Above Normal	21	56	64	59	55	50	16	5	0	0	1	10
1941	Wet	37	79	141	155	107	92	44	11	1	6	6	18
1942	Wet	38	89	123	121	97	76	25	0	0	0	0	15
1943	Wet	3	56	85	75	59	55	28	5	0	0	0	19
1944	Below Normal	1	13	17	28	32	26	10	3	1	1	1	0
1945	Above Normal	36	86	119	106	94	74	26	2	1	1	1	24
1946	Above Normal	24	59	70	48	39	40	25	5	1	1	1	16
1947	Dry	2	3	6	8	9	7	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	11	13	21	24	19	8	2	0	0	0	2
1951	Above Normal	2	15	20	33	38	31	12	4	1	1	1	4
1952	Wet	21	79	98	153	108	96	46	12	1	6	6	18
1953	Below Normal	3	18	24	39	45	37	15	4	1	1	1	4
1954	Below Normal	2	4	7	13	15	12	5	1	0	0	0	1
1955	Dry	1	2	3	6	7	5	2	1	0	0	0	1
1956	Wet	46	101	138	138	114	96	35	3	1	1	1	18
1957	Below Normal	9	26	36	47	43	37	12	4	0	0	1	13
1958	Wet	36	55	137	154	107	94	45	12	1	6	6	18
1959	Dry	1	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	28	75	92	85	70	65	33	6	0	0	0	21
1963	Above Normal	43	90	128	122	100	78	27	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	43	100	132	125	104	81	28	1	0	0	0	16
1966	Below Normal	3	17	18	19	22	18	7	2	0	0	0	2
1967	Wet	74	44	114	143	119	102	71	52	14	22	22	70
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	19	19	75	128	109	91	62	44	14	19	19	59
1970	Above Normal	11	29	41	55	52	45	15	5	0	0	1	15
1971	Below Normal	3	17	23	38	44	35	14	4	1	1	1	4
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	22	61	66	57	48	47	28	6	1	1	1	17
1974	Wet	30	71	85	75	60	56	28	5	0	0	0	19
1975	Wet	26	72	88	78	63	59	30	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	38	41	128	137	114	111	76	50	15	21	21	67
1979	Above Normal	21	60	71	54	46	46	28	6	1	1	0	0
1980	Wet	37	66	121	165	119	106	52	14	2	7	7	20
1981	Dry	1	13	16	26	30	24	10	3	0	0	0	3
1982	Wet	49	4	101	164	119	109	57	16	2	2	0	0
1983	Wet	0	46	126	104	104	107	95	59	15	24	26	83
1984	Above Normal	30	73	87	79	65	60	30	6	0	0	0	20
1985	Dry	3	5	8	14	16	13	5	1	0	0	0	0
1986	Wet	0	85	116	102	89	70	23	1	1	1	1	23
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	40	100	136	134	110	92	33	2	1	1	1	18
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	58	92	164	135	104	108	101	64	15	26	26	83
1996	Wet	28	73	88	80	65	60	31	6	0	0	0	15
1997	Wet	29	62	73	49	40	41	25	5	1	1	1	0
1998	Wet	44	21	125	117	122	96	83	55	15	24	24	75
1999	Above Normal	11	30	42	58	54	48	16	5	0	0	1	15
2000	Above Normal	18	58	68	49	40	41	25	4	1	1	1	16
2001	Dry	1	1	2	3	4	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	12	15	24	28	23	9	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 3 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	67	92	149	142	118	93	100	53	14	23	28	73
1923	Above Normal	31	76	91	84	70	64	33	6	0	0	0	21
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	1	3	4	7	8	7	3	1	0	0	0	1
1926	Dry	1	1	1	2	2	2	1	0	0	0	0	0
1927	Above Normal	31	76	92	84	70	64	33	6	0	0	0	21
1928	Below Normal	0	11	12	20	22	18	7	2	0	0	0	2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	28	70	84	73	58	54	28	5	0	0	0	19
1933	Dry	1	2	3	6	6	5	2	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	19	46	68	52	44	44	26	6	1	1	1	4
1936	Above Normal	28	76	95	88	74	68	34	6	1	1	1	0
1937	Wet	23	51	97	137	114	101	73	48	14	19	19	61
1938	Wet	19	74	155	141	111	115	110	63	16	28	28	87
1939	Dry	23	60	70	56	48	48	28	6	1	1	0	0
1940	Above Normal	21	60	70	55	47	47	28	6	1	1	1	12
1941	Wet	62	55	139	145	121	105	98	52	15	23	26	71
1942	Wet	71	88	130	140	114	98	81	54	14	22	15	68
1943	Wet	3	56	109	138	115	102	73	49	14	20	20	61
1944	Below Normal	1	14	17	27	31	25	10	3	0	0	0	0
1945	Above Normal	43	103	136	130	107	87	30	1	0	0	0	17
1946	Above Normal	27	68	81	63	56	54	32	7	1	1	1	18
1947	Dry	2	4	7	12	14	11	4	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	2	4	7	11	13	10	4	1	0	0	0	1
1951	Above Normal	35	83	111	89	75	69	35	7	1	1	1	22
1952	Wet	49	62	145	144	111	99	101	58	14	29	29	78
1953	Below Normal	22	58	67	52	43	44	26	6	1	1	1	17
1954	Below Normal	2	3	5	8	9	7	3	1	0	0	0	1
1955	Dry	0	1	2	3	3	2	1	0	0	0	0	0
1956	Wet	87	108	162	146	114	102	105	57	15	25	29	81
1957	Below Normal	20	54	62	61	56	53	17	5	0	0	1	15
1958	Wet	52	23	123	138	116	113	104	67	15	23	23	69
1959	Dry	3	5	9	15	18	14	6	2	0	0	0	2
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	20	58	66	51	42	43	26	6	1	1	1	16
1963	Above Normal	37	88	119	103	90	71	24	1	1	1	1	23
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	45	103	137	131	109	88	31	1	1	1	1	17
1966	Below Normal	3	17	23	36	42	34	14	4	1	0	1	4
1967	Wet	94	72	157	141	111	115	115	68	16	32	32	89
1968	Dry	21	56	64	48	39	40	25	5	1	1	0	0
1969	Wet	53	58	148	135	111	115	110	63	16	28	28	87
1970	Above Normal	50	93	118	160	116	106	53	15	2	6	6	20
1971	Below Normal	2	15	19	30	35	28	11	3	1	1	1	3
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	23	72	80	77	62	58	29	5	0	0	0	20
1974	Wet	55	66	101	127	107	91	62	43	13	19	19	58
1975	Wet	26	75	90	82	68	62	32	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	61	76	181	141	111	115	91	68	16	32	32	87
1979	Above Normal	68	87	135	143	119	102	93	52	14	23	2	38
1980	Wet	82	125	181	141	111	115	115	66	16	32	32	88
1981	Dry	24	62	72	59	52	51	30	7	1	1	1	18
1982	Wet	86	48	181	141	111	115	93	63	16	23	9	42
1983	Wet	2	55	137	110	111	115	101	63	16	26	28	87
1984	Above Normal	80	100	147	143	120	94	101	54	14	24	24	74
1985	Dry	2	16	20	32	37	30	12	4	1	1	1	0
1986	Wet	44	102	163	148	116	104	99	63	16	30	30	80
1987	Critical	2	3	5	8	9	7	3	1	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	51	69	110	139	116	102	75	49	14	20	20	61
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	62	101	170	141	111	115	111	68	16	28	28	87
1996	Wet	73	97	149	147	124	98	103	56	15	10	0	71
1997	Wet	78	92	137	143	119	103	89	59	14	22	22	33
1998	Wet	59	41	152	113	111	115	109	63	16	28	28	87
1999	Above Normal	56	66	100	165	120	110	58	16	2	7	7	21
2000	Above Normal	26	68	75	62	55	54	31	5	1	1	1	18
2001	Dry	1	1	2	3	3	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	3	5	8	14	16	13	5	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 3 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	33	1	19	18	18	14	73	53	14	23	27	58
1923	Above Normal	2	5	6	7	8	7	3	1	0	0	0	1
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	-1	-2	-4	-8	-9	-7	-3	-1	0	0	0	-1
1926	Dry	-1	-1	-2	-2	-2	-2	-1	0	0	0	0	0
1927	Above Normal	-3	3	2	3	3	3	1	0	0	0	0	0
1928	Below Normal	-1	-3	-6	-4	-5	-4	-2	-1	0	0	0	-1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	-8	-13	-30	-25	-27	-13	6	4	0	0	0	-3
1933	Dry	0	-1	-2	-3	-3	-3	-1	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	-7	-5	-10	-12	-13	-12	-6	-2	0	0	0	-2
1936	Above Normal	3	10	13	25	19	14	3	-1	0	0	0	0
1937	Wet	23	7	34	79	64	51	44	42	13	19	19	43
1938	Wet	19	46	56	-27	-9	7	58	49	14	21	21	67
1939	Dry	21	58	69	55	47	47	28	6	1	1	0	0
1940	Above Normal	0	4	6	-4	-8	-4	12	1	0	0	0	2
1941	Wet	26	-23	-2	-11	14	13	54	41	13	17	20	53
1942	Wet	32	-1	7	19	17	22	56	54	14	21	15	53
1943	Wet	0	0	23	63	56	47	45	43	14	19	19	42
1944	Below Normal	0	0	0	0	-1	0	0	0	0	0	0	0
1945	Above Normal	6	16	18	24	14	12	5	0	0	0	0	-7
1946	Above Normal	4	9	11	14	16	14	7	2	0	0	0	2
1947	Dry	1	1	1	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	2	-7	-6	-10	-12	-9	-4	-1	0	0	0	-1
1951	Above Normal	32	67	91	56	37	38	22	3	0	0	0	18
1952	Wet	28	-17	47	-10	3	4	55	46	13	23	23	60
1953	Below Normal	18	40	43	12	-2	7	12	2	0	0	0	12
1954	Below Normal	-1	-1	-3	-5	-6	-5	-2	-1	0	0	0	-1
1955	Dry	-1	-1	-2	-3	-4	-3	-1	0	0	0	0	0
1956	Wet	41	7	24	8	0	7	70	54	14	25	29	63
1957	Below Normal	12	28	26	14	12	16	5	2	0	0	0	2
1958	Wet	17	-32	-14	-16	9	19	60	55	14	17	17	51
1959	Dry	2	5	9	15	17	14	6	2	0	0	0	2
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	-8	-17	-25	-34	-28	-22	-7	-1	0	0	0	-4
1963	Above Normal	-6	-1	-10	-19	-10	-7	-2	1	0	0	0	7
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	2	4	5	6	5	6	3	1	0	0	0	1
1966	Below Normal	0	0	4	17	20	16	7	2	0	0	0	2
1967	Wet	19	28	43	-2	-7	13	44	16	1	9	10	19
1968	Dry	21	56	64	48	39	40	25	5	1	1	0	0
1969	Wet	34	39	73	6	2	25	48	19	2	9	9	28
1970	Above Normal	39	64	78	105	64	61	38	10	1	6	5	5
1971	Below Normal	-1	-2	-4	-8	-9	-7	-3	-1	0	0	0	-1
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	1	11	14	20	14	10	1	-1	0	0	0	2
1974	Wet	25	-4	16	52	47	35	34	38	13	18	18	39
1975	Wet	-1	3	3	4	4	4	2	1	0	0	0	1
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	23	35	52	3	-3	4	15	18	1	11	11	21
1979	Above Normal	48	27	64	88	72	56	66	46	14	22	2	38
1980	Wet	44	59	60	-24	-7	9	63	52	14	25	25	68
1981	Dry	23	49	57	33	22	27	20	4	0	0	0	15
1982	Wet	37	44	80	-23	-8	6	36	47	14	21	9	42
1983	Wet	2	9	11	6	7	8	6	4	1	1	1	4
1984	Above Normal	50	27	59	64	55	34	70	48	14	23	23	54
1985	Dry	0	11	12	18	21	17	7	2	0	0	0	0
1986	Wet	44	18	48	46	27	34	76	62	15	29	29	57
1987	Critical	2	3	5	8	9	7	3	1	0	0	0	1
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	12	-30	-26	5	5	10	43	47	14	19	19	44
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	9	6	5	7	8	10	4	1	1	1	4
1996	Wet	45	25	61	67	59	38	73	50	15	10	0	56
1997	Wet	50	30	64	94	79	62	63	53	14	22	22	33
1998	Wet	15	20	27	-4	-10	19	26	8	1	4	4	12
1999	Above Normal	46	36	58	107	66	61	42	11	2	6	6	6
2000	Above Normal	7	10	7	13	14	13	6	2	0	0	0	2
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	2	-7	-7	-11	-13	-10	-4	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	97%	2%	15%	14%	18%	18%	276%	45128%	4175%	6942%	8204%	365%
1923	Above Normal	9%	7%	7%	10%	13%	13%	12%	19%	47%	47%	47%	6%
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-45%	-46%	-49%	-53%	-53%	-53%	-53%	-53%	-53%	-53%	-53%	-53%
1926	Dry	-55%	-57%	-64%	-50%	-50%	-50%	-50%	-50%	-50%	-50%	-50%	-50%
1927	Above Normal	-10%	4%	2%	3%	4%	4%	6%	13%	13%	13%	13%	2%
1928	Below Normal	-100%	-22%	-33%	-18%	-19%	-18%	-19%	-19%	-19%	-19%	-19%	-19%
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-22%	-15%	-26%	-25%	-32%	-19%	26%	546%	-63%	-63%	-63%	-15%
1933	Dry	-31%	-33%	-34%	-34%	-34%	-34%	-34%	-34%	-34%	-34%	-34%	-34%
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-27%	-9%	-12%	-19%	-23%	-21%	-18%	-21%	-30%	-30%	-30%	-31%
1936	Above Normal	11%	15%	16%	40%	33%	25%	8%	-9%	-25%	-32%	-33%	-
1937	Wet	3671%	16%	54%	136%	127%	102%	148%	621%	1859%	2582%	2582%	246%
1938	Wet	-	161%	56%	-16%	-7%	7%	110%	348%	671%	315%	315%	323%
1939	Dry	1162%	2437%	13832%	5613%	4212%	5131%	7729%	5987%	3775%	3775%	-	-
1940	Above Normal	-1%	8%	9%	-7%	-14%	-7%	71%	23%	55%	55%	-39%	18%
1941	Wet	70%	-30%	-1%	-7%	13%	14%	123%	358%	979%	279%	329%	297%
1942	Wet	84%	-1%	6%	16%	17%	29%	221%	89261%	4791%	7577%	-	343%
1943	Wet	0%	-1%	27%	84%	94%	84%	160%	860%	5030%	6912%	6912%	217%
1944	Below Normal	28%	3%	2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-
1945	Above Normal	18%	19%	15%	22%	17%	19%	-25%	-42%	-42%	-42%	-42%	-28%
1946	Above Normal	16%	15%	16%	30%	41%	35%	27%	36%	55%	55%	55%	15%
1947	Dry	28%	25%	22%	56%	56%	56%	56%	56%	56%	56%	56%	56%
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-64%	-48%	-47%	-48%	-47%	-48%	-48%	-48%	-48%	-48%	-48%
1951	Above Normal	1535%	439%	456%	170%	97%	125%	180%	93%	-6%	-6%	-6%	498%
1952	Wet	133%	-22%	48%	-6%	3%	4%	122%	384%	917%	382%	384%	331%
1953	Below Normal	563%	227%	183%	31%	-5%	19%	78%	36%	-17%	-17%	-17%	285%
1954	Below Normal	-29%	-32%	-36%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%
1955	Dry	-55%	-55%	-53%	-55%	-55%	-55%	-55%	-55%	-55%	-55%	-55%	-55%
1956	Wet	89%	7%	17%	6%	0%	7%	202%	2068%	2188%	3827%	4470%	343%
1957	Below Normal	136%	106%	73%	30%	29%	44%	45%	40%	128%	128%	30%	15%
1958	Wet	47%	-58%	-11%	-10%	8%	20%	133%	471%	1037%	294%	287%	287%
1959	Dry	228%	8511%	7663%	6636%	6636%	6636%	6636%	6636%	-	-	-	6636%
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-30%	-23%	-28%	-40%	-40%	-34%	-21%	-11%	20%	20%	20%	-22%
1963	Above Normal	-13%	-1%	-8%	-16%	-10%	-9%	-9%	5377%	133%	123%	123%	47%
1964	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965	Wet	5%	4%	4%	5%	5%	8%	11%	176%	29%	29%	29%	6%
1966	Below Normal	11%	2%	22%	89%	93%	89%	93%	93%	93%	-	93%	93%
1967	Wet	26%	62%	37%	-2%	-6%	13%	63%	30%	10%	42%	43%	27%
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	173%	200%	97%	5%	2%	27%	78%	44%	16%	46%	46%	48%
1970	Above Normal	357%	218%	191%	191%	124%	136%	255%	216%	422%	1750%	539%	35%
1971	Below Normal	-34%	-13%	-17%	-20%	-20%	-20%	-20%	-20%	-20%	-20%	-20%	-20%
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	3%	18%	21%	36%	30%	21%	3%	-18%	-59%	-45%	-44%	14%
1974	Wet	81%	-6%	18%	69%	79%	63%	119%	744%	4579%	6450%	6444%	200%
1975	Wet	-2%	4%	3%	5%	7%	6%	6%	9%	23%	23%	23%	3%
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Wet	61%	84%	41%	3%	-2%	4%	20%	37%	8%	50%	50%	31%
1979	Above Normal	227%	45%	90%	162%	156%	121%	237%	739%	2104%	3351%	-	-
1980	Wet	119%	89%	49%	-15%	-6%	8%	122%	377%	729%	384%	384%	335%
1981	Dry	2611%	380%	355%	128%	72%	111%	206%	141%	57%	57%	57%	525%
1982	Wet	76%	1124%	79%	-14%	-6%	6%	64%	302%	696%	888%	-	-
1983	Wet	-	19%	8%	5%	7%	7%	6%	7%	8%	5%	4%	5%
1984	Above Normal	163%	38%	68%	80%	85%	57%	231%	843%	3749%	6207%	6207%	269%
1985	Dry	-4%	244%	149%	134%	138%	133%	138%	138%	138%	138%	138%	-
1986	Wet	10761%	21%	41%	45%	31%	49%	324%	5238%	1994%	3898%	3898%	250%
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993	Wet	29%	-31%	-19%	4%	5%	11%	130%	2192%	2517%	3474%	3474%	251%
1994	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995	Wet	6%	10%	4%	4%	7%	7%	10%	6%	7%	4%	4%	5%
1996	Wet	163%	34%	69%	84%	91%	63%	239%	907%	3829%	-	-	376%
1997	Wet	174%	49%	87%	193%	196%	150%	253%	977%	2573%	4035%	4035%	-
1998	Wet	34%	94%	21%	-4%	-8%	20%	31%	15%	7%	15%	15%	16%
1999	Above Normal	432%	117%	138%	186%	124%	126%	258%	221%	411%	1571%	529%	37%
2000	Above Normal	40%	17%	10%	26%	36%	31%	24%	43%	27%	36%	38%	13%
2001	Dry	12%	4%	2%	-9%	-9%	-9%	-9%	-9%	-9%	-9%	-9%	-9%
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	396%	-61%	-44%	-43%	-44%	-43%	-44%	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	74	77	86	67	0	0	0	0	0	0	61	25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	13	0	0	0	0	0	0	0	0	9
1927	Above Normal	0	0	86	83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	83	0	0	0	0	0	0	0	0
1936	Above Normal	19	0	86	22	0	0	0	0	0	0	0	0
1937	Wet	0	12	12	83	0	0	0	0	0	33	74	67
1938	Wet	0	0	12	34	31	0	0	0	0	0	21	10
1939	Dry	13	83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	86	47	0	0	0	0	0	0	0	0
1941	Wet	74	69	11	45	13	0	0	0	0	0	74	57
1942	Wet	0	78	70	69	0	0	0	0	0	0	0	67
1943	Wet	0	2	86	20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	2
1945	Above Normal	0	0	65	58	0	0	0	0	0	42	74	10
1946	Above Normal	0	0	67	0	0	0	0	0	0	0	6	22
1947	Dry	0	0	12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	74	74	69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	69
1952	Wet	0	0	12	48	0	0	0	0	0	0	44	12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1956	Wet	50	76	62	40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	12	46	0	0	0	0	0	0	0	0
1959	Dry	25	1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	7	0	0	0	0	0	0	0	67
1963	Above Normal	0	0	0	31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	74	69
1965	Wet	0	0	0	0	0	0	0	0	0	0	56	8
1966	Below Normal	0	34	56	0	0	0	0	0	0	0	25	68
1967	Wet	76	0	8	71	38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	12	0	40	0	0	0	0	0	63	6
1970	Above Normal	25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	78	11	83	0	0	0	0	0	1	74	28
1974	Wet	72	82	86	75	0	0	0	0	0	0	0	0
1975	Wet	0	0	75	83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	2
1978	Wet	0	0	10	71	33	0	0	0	0	0	61	13
1979	Above Normal	40	0	86	51	0	0	0	0	0	0	0	0
1980	Wet	0	77	82	37	32	0	0	0	0	0	11	14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1982	Wet	74	0	86	38	0	0	0	79	71	0	0	0
1983	Wet	0	0	0	0	53	0	0	0	46	0	74	0
1984	Above Normal	27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	2
1986	Wet	0	80	86	77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	31
1993	Wet	74	76	72	58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	36	69
1995	Wet	0	71	0	71	53	0	0	0	0	0	0	17
1996	Wet	0	82	86	83	0	0	0	0	0	0	0	0
1997	Wet	78	16	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	3	0	40	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	86	41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 3 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	67
1938	Wet	0	0	0	71	46	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	7	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	46	0	0	0	0	0	74	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	51	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	25	46	0	0	0	0	0	0	0
1996	Wet	0	71	82	64	0	0	0	0	0	0	0	0
1997	Wet	46	14	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 3 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-74	-77	-86	-67	0	0	0	0	0	0	-61	-25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	-13	0	0	0	0	0	0	0	0	-9
1927	Above Normal	0	0	-86	-83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	-24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	-67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	-83	0	0	0	0	0	0	0	0
1936	Above Normal	-19	0	-86	-22	0	0	0	0	0	0	0	0
1937	Wet	0	-12	-12	-83	0	0	0	0	0	-33	-74	0
1938	Wet	0	0	-12	38	16	0	0	0	0	0	-21	-10
1939	Dry	-13	-83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	-86	-47	0	0	0	0	0	0	0	0
1941	Wet	-74	-69	-11	-45	-13	0	0	0	0	0	-74	-57
1942	Wet	0	-78	-70	-69	0	0	0	0	0	0	0	-67
1943	Wet	0	-2	-86	-20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	-2
1945	Above Normal	0	0	-65	-58	0	0	0	0	0	-42	-74	-10
1946	Above Normal	0	0	-67	0	0	0	0	0	0	0	-6	-22
1947	Dry	0	0	-12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	-74	-74	-69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	-69
1952	Wet	0	0	-12	-48	0	0	0	0	0	0	-44	-12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1956	Wet	-50	-76	-62	-40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	-12	-46	0	0	0	0	0	0	0	0
1959	Dry	-25	-1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	-7	0	0	0	0	0	0	0	-67
1963	Above Normal	0	0	0	-31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	-74	-69
1965	Wet	0	0	0	0	0	0	0	0	0	0	-56	-8
1966	Below Normal	0	-34	-56	0	0	0	0	0	0	0	-25	-68
1967	Wet	-76	0	-8	-71	-38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-12	0	7	0	0	0	0	0	-63	-6
1970	Above Normal	-25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-78	-11	-83	0	0	0	0	0	-1	-74	-28
1974	Wet	-72	-82	-86	-75	0	0	0	0	0	0	0	0
1975	Wet	0	0	-75	-83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	-2
1978	Wet	0	0	-10	-71	-33	0	0	0	0	0	-61	-13
1979	Above Normal	-40	0	-86	-51	0	0	0	0	0	0	0	0
1980	Wet	0	-77	-82	-29	-32	0	0	0	0	0	-11	-14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1982	Wet	-74	0	-86	-38	0	0	0	-79	-71	0	0	0
1983	Wet	0	0	0	0	-7	0	0	0	-46	0	0	0
1984	Above Normal	-27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	-2
1986	Wet	0	-80	-86	-26	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-31
1993	Wet	-74	-76	-72	-58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-36	-69
1995	Wet	0	-71	0	-47	-7	0	0	0	0	0	0	-17
1996	Wet	0	-10	-4	-19	0	0	0	0	0	0	0	0
1997	Wet	-32	-2	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-3	0	6	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	-86	-41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1923	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1926	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1927	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1928	Below Normal	-	-	-100%	-	-	-	-	-	-	-	-	-
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1933	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1936	Above Normal	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1937	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	0%
1938	Wet	-	-	-100%	111%	51%	-	-	-	-	-	-100%	-100%
1939	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1940	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1941	Wet	-100%	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1942	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-100%
1943	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1944	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1945	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1946	Above Normal	-	-	-100%	-	-	-	-	-	-	-	-100%	-100%
1947	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-	-	-	-	-	-	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1952	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1953	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1954	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1955	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1956	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1957	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1958	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1959	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-	-	-	-100%	-	-	-	-	-	-	-	-100%
1963	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1965	Wet	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1966	Below Normal	-	-100%	-100%	-	-	-	-	-	-	-	-100%	-100%
1967	Wet	-100%	-	-100%	-100%	-100%	-	-	-	-	-	-	-
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	-	-	-100%	-100%	17%	-	-	-	-	-	-100%	-100%
1970	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1971	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1974	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1975	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1978	Wet	-	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1979	Above Normal	-100%	-	-100%	-100%	-	-	-	-	-	-	-	-
1980	Wet	-	-100%	-100%	-80%	-100%	-	-	-	-	-	-100%	-100%
1981	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1982	Wet	-100%	-	-100%	-100%	-	-	-	-100%	-100%	-	-	-
1983	Wet	-	-	-	-	-13%	-	-	-	-100%	-	0%	-
1984	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1985	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1986	Wet	-	-100%	-100%	-34%	-	-	-	-	-	-	-	-
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1993	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1995	Wet	-	-100%	-	-66%	-12%	-	-	-	-	-	-	-100%
1996	Wet	-100%	-13%	-4%	-23%	-	-	-	-	-	-	-	-
1997	Wet	-41%	-10%	0%	-	-	-	-	-	-	-	-	-
1998	Wet	-	-	-100%	-	15%	-	-	-	-	-	-	-
1999	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
2000	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
2001	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,811	3,559	5,150	7,708	8,580	7,075	4,199	3,214	2,008	1,645	2,026	2,651
1923	Below Normal	2,215	2,571	3,912	5,671	6,132	5,290	3,567	2,811	1,675	1,208	1,324	1,733
1924	Critical	1,518	1,792	2,510	3,515	3,695	3,353	2,517	2,008	1,181	778	731	1,018
1925	Dry	2,084	2,337	3,672	5,271	5,652	4,944	3,453	2,739	1,620	1,132	1,191	1,627
1926	Dry	1,889	2,054	3,148	4,400	4,605	4,187	3,198	2,578	1,494	960	898	1,261
1927	Wet	2,269	2,723	4,094	5,973	6,495	5,554	3,657	2,869	1,721	1,269	1,427	1,855
1928	Above Normal	2,134	2,487	3,945	5,727	6,200	5,339	3,583	2,821	1,683	1,218	1,343	1,819
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,352	3,314	4,672	4,932	4,425	3,283	2,632	1,538	1,018	992	1,375
1931	Critical	1,482	1,744	2,442	3,404	3,563	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,638	1,828	2,734	3,881	4,135	3,676	2,636	2,084	1,246	862	859	1,172
1933	Critical	1,392	1,524	2,299	3,171	3,283	3,051	2,406	1,937	1,120	700	610	874
1934	Critical	1,544	1,827	2,558	3,593	3,789	3,423	2,543	2,024	1,195	796	758	1,051
1935	Below Normal	1,512	1,691	3,387	4,795	5,080	4,532	3,318	2,654	1,555	1,042	1,033	1,378
1936	Below Normal	2,237	2,347	3,854	5,575	6,017	5,207	3,539	2,794	1,662	1,189	1,292	1,754
1937	Below Normal	1,681	2,486	3,531	5,036	5,369	4,741	3,386	2,697	1,588	1,087	1,113	1,528
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	2,002	2,553	3,603	5,156	5,514	4,641	3,420	2,719	1,604	1,110	1,153	1,524
1940	Above Normal	2,049	2,498	3,826	5,527	5,960	5,166	3,526	2,785	1,655	1,181	1,276	1,735
1941	Wet	2,678	3,388	4,654	6,978	8,208	6,807	4,111	3,158	1,965	1,586	1,923	2,521
1942	Wet	2,803	3,553	5,169	7,740	8,617	6,425	4,208	3,219	2,012	1,651	2,037	2,664
1943	Wet	2,849	3,114	5,128	7,671	8,535	7,043	4,189	3,207	2,003	1,638	2,014	2,544
1944	Dry	1,971	2,149	3,306	4,660	4,917	4,415	3,279	2,629	1,536	1,016	987	1,370
1945	Below Normal	2,233	2,952	4,422	6,509	7,139	6,026	3,831	2,980	1,816	1,391	1,615	2,147
1946	Below Normal	2,445	2,935	4,389	6,454	7,073	5,978	3,813	2,968	1,806	1,379	1,596	2,124
1947	Dry	2,052	2,498	3,904	5,658	6,117	5,279	3,563	2,809	1,673	1,205	1,320	1,728
1948	Below Normal	1,802	2,087	3,189	4,467	4,686	4,246	3,220	2,592	1,506	975	921	1,289
1949	Dry	2,079	2,770	4,365	6,415	7,027	5,944	3,801	2,960	1,799	1,370	1,582	2,108
1950	Below Normal	1,996	2,331	3,618	5,180	5,543	4,865	3,427	2,723	1,608	1,115	1,161	1,589
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066
1952	Wet	2,991	3,392	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,107	2,417	3,773	5,439	5,855	5,090	3,501	2,770	1,643	1,164	1,247	1,698
1954	Above Normal	2,099	2,385	3,707	5,328	5,721	4,874	3,469	2,750	1,628	1,143	1,210	1,651
1955	Dry	2,252	2,487	3,885	5,627	6,080	5,252	3,554	2,803	1,669	1,199	1,310	1,715
1956	Wet	2,967	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308
1958	Wet	2,883	3,294	5,286	8,032	9,475	7,720	4,411	3,347	2,110	1,786	2,274	2,964
1959	Below Normal	1,978	1,942	3,515	5,008	5,336	4,716	3,378	2,692	1,584	1,082	1,103	1,464
1960	Dry	1,941	2,558	3,566	5,094	5,439	3,540	3,403	2,707	1,596	1,098	1,132	1,553
1961	Dry	2,100	2,778	3,885	5,575	6,080	3,511	3,554	2,803	1,669	1,199	1,310	1,776
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778
1963	Wet	2,208	2,618	3,946	5,728	6,202	5,340	3,583	2,822	1,683	1,219	1,343	1,756
1964	Dry	2,247	2,742	3,875	5,609	6,059	4,976	3,549	2,800	1,667	1,196	1,304	1,769
1965	Wet	2,260	2,581	4,947	7,369	8,171	4,820	4,103	3,153	1,961	1,580	1,913	2,508
1966	Below Normal	2,230	2,222	3,967	5,763	6,244	5,371	3,593	2,828	1,688	1,225	1,355	1,834
1967	Wet	3,010	3,392	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,028	2,532	3,555	5,075	5,417	4,775	3,397	2,704	1,593	1,095	1,126	1,545
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157
1971	Wet	1,972	2,282	3,542	5,053	5,390	4,755	3,391	2,700	1,590	1,091	1,119	1,482
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679
1973	Above Normal	2,297	2,809	4,217	6,173	6,736	5,730	3,722	2,910	1,756	1,315	1,497	2,006
1974	Wet	2,898	3,229	5,243	7,864	8,767	5,806	4,243	3,241	2,029	1,674	2,078	2,716
1975	Wet	2,435	3,054	4,407	6,484	7,110	5,048	3,823	2,974	1,812	1,386	1,606	2,063
1976	Critical	1,754	2,054	2,896	3,988	4,111	3,824	3,065	2,493	1,421	866	753	1,088
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,597	3,863	5,412	7,725	9,106	7,454	4,324	3,292	2,068	1,728	2,172	2,835
1979	Below Normal	2,184	2,782	4,187	6,124	6,677	5,687	3,706	2,900	1,748	1,304	1,480	1,917
1980	Above Normal	2,971	3,746	4,985	7,531	8,872	7,286	4,139	3,257	2,041	1,691	2,107	2,753
1981	Dry	2,123	2,366	3,731	5,369	5,769	5,029	3,481	2,757	1,634	1,150	1,224	1,668
1982	Wet	3,091	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824
1986	Wet	2,458	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287
1987	Dry	1,564	2,352	3,313	4,672	4,931	4,425	3,283	2,632	1,538	1,018	991	1,328
1988	Critical	1,526	1,747	2,467	3,288	3,270	3,208	2,838	2,348	1,297	707	508	794
1989	Dry	1,512	2,278	3,547	5,062	5,401	4,164	3,394	2,702	1,591	1,092	1,121	1,539
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,741	2,654	3,750	3,977	3,560	2,593	2,056	1,223	832	813	1,079
1992	Critical	1,605	2,085	2,921	3,869	4,508	3,946	2,727	1,921	1,292	924	964	1,303
1993	Above Normal	2,221	2,940	3,921	5,775	6,764	5,714	3,730	2,915	1,761	1,320	1,505	2,016
1994	Critical	2,154	2,661	3,727	5,294	6,059	4,378	3,120	2,390	1,487	1,189	1,415	1,865
1995	Wet	2,872	3,893	5,446	7,781	9,173	7,503	4,340	3,302	2,075	1,738	2,191	2,760
1996	Wet	2,515	2,924	4,710	6,978	7,702	5,862	3,983	3,077	1,899	1,498	1,779	2,344
1997	Wet	2,799	3,118	4,681	7,022	8,261	5,593	4,124	3,166	1,971	1,594	1,938	2,540
1998	Wet	2,967	3,961	5,604	8,467	9,492	7,732	4,415	3,350	2,112	1,789	2,279	2,970
1999	Wet	2,194	2,711	4,083	5,954	6,474	5,538	3,651	2,865	1,718	1,265	1,420	1,848
2000	Above Normal	2,205	2,726	4,097	5,978	6,502	5,559	3,659	2,870	1,722	1,271	1,429	1,924
2001	Dry	2,134	2,386	3,713	5,339	5,734	5,003	3,472	2,752	1,629	1,145	1,214	1,655
2002	Dry	2,108	2,319	3,591	5,136	5,489	4,827	3,415	2,715	1,602	1,106	1,146	1,570
2003	Above Normal	2,227	2,623	3,951	5,736	6,211	5,347	3,585	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)

Alternative 3 (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,871	3,616	5,243	7,873	8,776	6,966	4,225	3,241	2,027	1,683	2,034	2,724
1923	Below Normal	2,262	2,613	3,983	5,800	6,286	5,389	3,583	2,833	1,689	1,240	1,380	1,789
1924	Critical	1,544	1,826	2,557	3,592	3,788	3,422	2,542	2,024	1,195	796	758	1,051
1925	Dry	2,068	2,269	3,548	5,067	5,406	4,764	3,389	2,702	1,591	1,095	1,127	1,542
1926	Dry	1,962	2,136	3,283	4,623	4,872	3,099	3,266	2,623	1,531	1,010	977	1,355
1927	Wet	2,315	2,763	4,165	6,101	6,649	5,651	3,670	2,888	1,732	1,299	1,481	1,912
1928	Above Normal	2,183	2,554	4,012	5,843	6,339	5,432	3,604	2,841	1,696	1,245	1,389	1,870
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,870	2,352	3,313	4,671	4,931	4,425	3,283	2,632	1,538	1,018	991	1,375
1931	Critical	1,482	1,744	2,442	3,404	3,562	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,704	1,897	2,844	4,074	4,366	3,830	2,670	2,117	1,269	906	936	1,257
1933	Critical	1,406	1,523	2,296	3,169	3,280	3,046	2,399	1,935	1,118	700	611	874
1934	Critical	1,534	1,813	2,538	3,562	3,751	3,395	2,532	2,018	1,190	789	747	1,038
1935	Below Normal	1,578	1,757	3,472	4,946	5,260	4,649	3,340	2,679	1,572	1,078	1,095	1,443
1936	Below Normal	2,304	2,618	3,965	5,770	6,251	5,363	3,574	2,827	1,685	1,234	1,293	1,756
1937	Below Normal	1,764	2,500	3,576	5,253	5,629	4,915	3,427	2,734	1,614	1,092	1,121	1,538
1938	Wet	3,193	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	1,963	2,528	3,578	5,123	5,473	3,583	3,390	2,711	1,596	1,111	1,154	1,515
1940	Above Normal	2,157	2,627	4,024	5,867	6,368	5,448	3,602	2,845	1,698	1,252	1,326	1,810
1941	Wet	2,725	3,423	4,716	7,091	8,342	6,891	4,123	3,176	1,977	1,615	1,897	2,572
1942	Wet	2,864	3,615	5,269	7,917	8,829	6,522	4,238	3,249	2,033	1,692	2,031	2,743
1943	Wet	2,899	3,508	5,220	7,835	8,731	7,172	4,215	3,235	2,021	1,676	2,081	2,615
1944	Dry	2,006	2,184	3,360	4,757	5,033	4,489	3,292	2,646	1,547	1,040	1,029	1,414
1945	Below Normal	2,281	2,972	4,465	6,592	7,238	6,084	3,830	2,990	1,819	1,410	1,653	2,186
1946	Below Normal	2,484	2,967	4,448	6,564	7,204	6,058	3,820	2,984	1,814	1,404	1,643	2,174
1947	Dry	2,083	2,534	3,962	5,760	6,239	5,362	3,583	2,826	1,686	1,228	1,359	1,771
1948	Below Normal	1,802	2,083	3,182	4,456	4,672	4,236	3,217	2,590	1,504	973	918	1,285
1949	Dry	2,082	2,775	4,373	6,428	7,042	5,954	3,804	2,963	1,801	1,373	1,587	2,113
1950	Below Normal	2,022	2,357	3,660	5,254	5,631	4,924	3,440	2,736	1,616	1,114	1,160	1,621
1951	Above Normal	2,593	3,020	4,522	6,684	7,349	6,165	3,860	3,009	1,836	1,431	1,686	2,090
1952	Wet	3,054	3,783	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,075	2,446	3,814	5,518	5,947	5,144	3,502	2,782	1,650	1,186	1,286	1,735
1954	Above Normal	2,127	2,415	3,756	5,414	5,823	4,937	3,487	2,764	1,639	1,161	1,242	1,688
1955	Dry	2,259	2,493	3,895	5,644	6,100	5,266	3,556	2,806	1,671	1,204	1,317	1,712
1956	Wet	2,936	3,559	4,820	7,264	8,551	7,042	4,172	3,208	2,001	1,648	2,031	2,645
1957	Above Normal	2,091	2,169	3,326	4,704	4,969	4,438	3,268	2,634	1,536	1,029	1,014	1,393
1958	Wet	2,949	3,733	5,192	7,876	9,288	7,585	4,367	3,320	2,089	1,756	2,222	2,898
1959	Below Normal	1,987	2,278	3,559	5,087	5,430	4,778	3,391	2,705	1,593	1,100	1,136	1,498
1960	Dry	1,940	2,559	3,568	5,096	5,442	3,532	3,403	2,708	1,596	1,099	1,133	1,554
1961	Dry	2,100	2,777	3,885	5,574	6,078	5,511	3,554	2,803	1,669	1,199	1,309	1,776
1962	Below Normal	2,217	2,633	3,997	5,823	6,315	5,409	3,589	2,837	1,692	1,244	1,388	1,863
1963	Wet	2,265	2,674	4,038	5,892	6,397	5,469	3,609	2,849	1,702	1,257	1,410	1,827
1964	Dry	2,251	2,747	3,882	5,622	6,074	4,983	3,552	2,802	1,668	1,199	1,308	1,774
1965	Wet	2,307	2,623	4,942	7,370	8,172	4,848	4,082	3,151	1,957	1,587	1,926	2,513
1966	Below Normal	2,299	2,577	4,035	5,884	6,388	5,464	3,609	2,848	1,701	1,255	1,407	1,888
1967	Wet	3,069	3,783	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,027	2,598	3,662	5,264	5,642	4,924	3,430	2,736	1,615	1,138	1,124	1,543
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,879	4,547	6,725	7,398	6,201	3,873	3,017	1,843	1,441	1,700	2,242
1971	Wet	2,021	2,333	3,623	5,197	5,562	4,870	3,416	2,725	1,607	1,123	1,176	1,544
1972	Below Normal	2,203	2,409	3,750	5,401	5,808	5,056	3,489	2,763	1,638	1,157	1,235	1,682
1973	Above Normal	2,363	2,877	4,326	6,365	6,965	5,883	3,756	2,943	1,779	1,359	1,574	2,091
1974	Wet	2,883	3,642	5,162	7,920	8,833	5,760	4,239	3,250	2,033	1,692	2,109	2,744
1975	Wet	2,510	3,134	4,535	6,705	7,374	5,218	3,866	3,013	1,839	1,436	1,693	2,157
1976	Critical	1,753	2,052	2,893	3,984	4,106	3,821	3,063	2,492	1,420	865	752	1,086
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,567	3,790	5,250	7,646	9,010	7,373	4,281	3,276	2,053	1,720	2,158	2,806
1979	Below Normal	2,233	2,852	4,299	6,321	6,913	5,845	3,742	2,934	1,771	1,349	1,481	1,919
1980	Above Normal	2,955	3,722	5,060	7,665	9,033	7,389	4,286	3,280	2,056	1,724	2,165	2,814
1981	Dry	2,193	2,398	3,776	5,454	5,871	5,090	3,484	2,771	1,642	1,174	1,265	1,708
1982	Wet	3,129	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	3,020	4,528	6,695	7,362	6,174	3,863	3,011	1,838	1,434	1,689	2,229
1985	Dry	2,283	2,552	4,042	5,896	6,402	5,475	3,614	2,850	1,703	1,256	1,409	1,893
1986	Wet	2,440	3,277	4,627	6,614	7,770	6,473	3,973	3,081	1,898	1,511	1,809	2,372
1987	Dry	1,574	2,366	3,336	4,712	4,980	4,456	3,288	2,638	1,542	1,028	1,009	1,345
1988	Critical	1,520	1,739	2,457	3,272	3,251	3,193	2,832	2,345	1,294	703	502	787
1989	Dry	1,512	2,284	3,545	5,059	5,397	4,255	3,393	2,701	1,591	1,092	1,120	1,538
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,740	2,652	3,746	3,973	3,557	2,592	2,056	1,222	831	812	1,077
1992	Critical	1,604	2,082	2,918	3,871	4,502	3,942	2,726	1,921	1,291	923	962	1,301
1993	Above Normal	2,285	2,999	4,018	5,948	6,970	5,852	3,757	2,944	1,780	1,360	1,575	2,092
1994	Critical	2,156	2,664	3,732	5,301	6,072	4,381	3,122	2,392	1,488	1,191	1,418	1,868
1995	Wet	2,917	3,802	5,276	7,691	9,063	7,411	4,293	3,284	2,059	1,729	2,173	2,727
1996	Wet	2,593	3,023	4,839	7,202	7,970	5,345	4,028	3,116	1,927	1,549	1,927	2,357
1997	Wet	2,850	3,422	4,747	7,143	8,405	5,007	4,138	3,186	1,984	1,625	1,991	2,594
1998	Wet	2,998	3,933	5,513	8,314	9,309	7,600	4,372	3,323	2,091	1,760	2,228	2,906
1999	Wet	2,203	2,792	4,211	6,177	6,740	5,718	3,695	2,904	1,746	1,316	1,508	1,942
2000	Above Normal	2,269	2,791	4,204	6,166	6,727	5,708	3,691	2,902	1,744	1,313	1,504	2,007
2001	Dry	2,146	2,398	3,733	5,373	5,775	5,031	3,479	2,757	1,634	1,152	1,227	1,671
2002	Dry	2,109	2,320	3,593	5,139	5,493	4,829	3,415	2,716	1,602	1,107	1,147	1,571
2003	Above Normal	2,256	2,652	3,999	5,820	6,312	5,414	3,600	n/a	n/a	n/a	n/a	n/a

Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 3 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	60	56	93	165	197	-109	26	28	19	39	8	73
1923	Below Normal	47	42	72	129	154	98	16	21	14	32	56	56
1924	Critical	25	34	48	78	93	68	25	16	14	18	27	33
1925	Dry	-15	-69	-124	-204	-245	-180	-64	-37	-29	-37	-64	-84
1926	Dry	72	82	135	223	267	-1,088	67	45	37	50	79	94
1927	Wet	47	40	71	129	154	97	13	20	11	29	54	56
1928	Above Normal	49	67	66	116	139	93	21	20	14	26	46	51
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	-1	0	-1	-1	-1	-1	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	66	68	110	193	231	154	34	33	23	44	77	85
1933	Critical	14	-2	-3	-2	-3	-5	-7	-2	-3	-1	1	0
1934	Critical	-10	-14	-19	-32	-38	-28	-10	-7	-6	-7	-11	-13
1935	Below Normal	66	65	85	151	180	117	22	25	17	36	63	65
1936	Below Normal	67	271	111	196	234	156	35	33	23	44	1	1
1937	Below Normal	83	13	45	217	260	175	41	37	26	5	8	10
1938	Wet	66	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-39	-26	-25	-33	-41	-1,059	-30	-8	-8	1	2	-9
1940	Above Normal	108	129	198	340	408	281	76	59	43	72	49	75
1941	Wet	46	35	62	113	134	84	11	19	12	29	-27	51
1942	Wet	61	62	101	177	212	96	30	30	21	41	-5	79
1943	Wet	50	394	93	164	196	129	26	28	19	39	67	71
1944	Dry	35	35	54	98	116	75	13	16	11	24	41	44
1945	Below Normal	47	20	43	84	100	58	-1	10	3	19	39	39
1946	Below Normal	39	32	59	110	131	81	7	16	8	25	48	50
1947	Dry	31	36	59	102	122	83	20	18	12	22	39	43
1948	Below Normal	0	-4	-7	-11	-13	-10	-4	-2	-2	-3	-4	-5
1949	Dry	2	5	7	13	15	11	3	2	2	3	5	5
1950	Below Normal	26	26	42	74	88	59	13	13	9	-1	-1	33
1951	Above Normal	66	68	110	193	231	154	34	33	23	44	77	24
1952	Wet	62	391	0	0	0	0	0	0	0	0	0	0
1953	Wet	-32	29	41	78	93	54	1	12	7	22	39	37
1954	Above Normal	28	30	49	85	102	63	18	15	11	18	32	37
1955	Dry	6	6	10	17	21	13	2	3	2	4	7	-3
1956	Wet	-31	68	110	193	231	154	34	33	23	44	77	85
1957	Above Normal	66	68	110	193	230	154	34	33	23	44	77	85
1958	Wet	66	440	-93	-156	-187	-135	-44	-28	-21	-30	-52	-65
1959	Below Normal	10	336	44	79	94	62	12	13	9	18	32	34
1960	Dry	0	1	1	2	3	-9	1	0	0	0	1	1
1961	Dry	0	-1	-1	-1	-2	-1	0	0	0	0	0	-1
1962	Below Normal	66	68	110	193	231	154	34	33	23	44	77	85
1963	Wet	58	56	92	164	195	128	26	28	19	38	67	70
1964	Dry	4	5	7	13	15	8	3	2	2	3	5	5
1965	Wet	47	41	-5	1	0	28	-21	-2	-4	7	13	5
1966	Below Normal	68	355	68	121	145	93	16	20	13	29	52	55
1967	Wet	59	391	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	66	107	188	225	150	33	32	22	43	-2	-2
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	68	110	193	231	154	34	33	23	44	77	85
1971	Wet	49	51	82	144	172	114	25	24	17	33	57	61
1972	Below Normal	2	2	3	6	7	5	1	1	1	1	2	3
1973	Above Normal	66	68	109	192	230	153	34	33	23	44	77	85
1974	Wet	-14	413	-82	57	67	-47	-5	8	4	18	32	28
1975	Wet	75	80	127	221	264	170	43	39	28	50	87	94
1976	Critical	-1	-2	-2	-4	-5	-4	-1	-1	-1	-1	-1	-2
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-30	-73	-162	-78	-95	-81	-43	-16	-14	-8	-13	-29
1979	Below Normal	49	70	112	197	236	157	35	34	23	45	1	2
1980	Above Normal	-16	-24	75	135	161	103	146	22	15	33	57	61
1981	Dry	69	32	46	86	102	61	4	14	8	24	41	40
1982	Wet	38	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	68	110	193	231	154	34	33	23	44	77	85
1985	Dry	53	55	89	156	186	124	27	27	18	35	62	69
1986	Wet	-18	0	0	193	231	154	34	33	23	44	77	85
1987	Dry	10	13	23	40	48	31	5	7	4	10	17	18
1988	Critical	-5	-7	-10	-16	-19	-14	-5	-3	-3	-4	-6	-7
1989	Dry	0	7	-2	-3	-4	91	-1	-1	0	-1	-1	-1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	-1	-2	-3	-4	-3	-1	-1	-1	-1	-1	-1
1992	Critical	-1	-3	-3	2	-6	-4	-1	0	-1	-1	-2	-2
1993	Above Normal	64	59	97	172	206	139	27	29	19	39	70	77
1994	Critical	3	3	5	7	13	3	2	1	2	3	3	3
1995	Wet	44	-91	-170	-90	-110	-91	-46	-18	-16	-10	-17	-33
1996	Wet	77	99	129	224	268	-517	44	39	28	51	11	13
1997	Wet	52	304	67	121	144	-586	14	20	13	30	53	55
1998	Wet	32	-29	-91	-152	-183	-132	-43	-27	-21	-29	-51	-64
1999	Wet	9	81	128	223	267	180	44	39	28	51	87	94
2000	Above Normal	64	66	107	188	224	149	32	32	22	43	75	83
2001	Dry	12	12	20	34	41	28	6	6	4	8	13	15
2002	Dry	1	1	2	3	3	2	0	0	0	1	1	1
2003	Above Normal	29	29	48	84	101	67	14	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2%	2%	2%	2%	2%	-2%	1%	1%	1%	2%	0%	3%
1923	Below Normal	2%	2%	2%	2%	3%	2%	0%	1%	1%	3%	4%	3%
1924	Critical	2%	2%	2%	2%	3%	2%	1%	1%	1%	2%	4%	3%
1925	Dry	-1%	-3%	-3%	-4%	-4%	-4%	-2%	-1%	-2%	-3%	-5%	-5%
1926	Dry	4%	4%	4%	5%	6%	-26%	2%	2%	2%	5%	9%	7%
1927	Wet	2%	1%	2%	2%	2%	2%	0%	1%	1%	2%	4%	3%
1928	Above Normal	2%	3%	2%	2%	2%	2%	1%	1%	1%	2%	3%	3%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	4%	4%	4%	5%	6%	4%	1%	2%	2%	5%	9%	7%
1933	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%
1935	Below Normal	4%	4%	2%	3%	4%	3%	1%	1%	1%	3%	6%	5%
1936	Below Normal	3%	12%	3%	4%	4%	3%	1%	1%	1%	4%	0%	0%
1937	Below Normal	5%	1%	1%	4%	5%	4%	1%	1%	2%	0%	1%	1%
1938	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	-1%	-1%	-1%	-1%	-23%	-1%	0%	-1%	0%	0%	-1%
1940	Above Normal	5%	5%	5%	6%	7%	5%	2%	2%	3%	6%	4%	4%
1941	Wet	2%	1%	1%	2%	2%	1%	0%	1%	1%	2%	-1%	2%
1942	Wet	2%	2%	2%	2%	2%	2%	1%	1%	1%	2%	0%	3%
1943	Wet	2%	13%	2%	2%	2%	2%	1%	1%	1%	2%	3%	3%
1944	Dry	2%	2%	2%	2%	2%	2%	0%	1%	1%	2%	4%	3%
1945	Below Normal	2%	1%	1%	1%	1%	1%	0%	0%	0%	1%	2%	2%
1946	Below Normal	2%	1%	1%	2%	2%	1%	0%	1%	0%	2%	3%	2%
1947	Dry	2%	1%	2%	2%	2%	2%	1%	1%	1%	2%	3%	2%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	1%	1%	1%	1%	2%	1%	0%	0%	1%	0%	0%	2%
1951	Above Normal	3%	2%	2%	3%	3%	3%	1%	1%	1%	3%	5%	1%
1952	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-2%	1%	1%	1%	2%	1%	0%	0%	0%	2%	3%	2%
1954	Above Normal	1%	1%	1%	2%	2%	1%	1%	1%	1%	2%	3%	2%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1956	Wet	-1%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	3%
1957	Above Normal	3%	3%	3%	4%	5%	4%	1%	1%	1%	4%	8%	7%
1958	Wet	2%	13%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1959	Below Normal	0%	17%	1%	2%	2%	1%	0%	0%	1%	2%	3%	2%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	3%	3%	3%	3%	4%	3%	1%	1%	1%	4%	6%	5%
1963	Wet	3%	2%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	2%	2%	0%	0%	0%	1%	-1%	0%	0%	0%	1%	0%
1966	Below Normal	3%	16%	2%	2%	2%	2%	0%	1%	1%	2%	4%	3%
1967	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	3%	3%	4%	4%	3%	1%	1%	1%	4%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	2%	2%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1971	Wet	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	3%	2%	3%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1974	Wet	0%	13%	-2%	1%	1%	-1%	0%	0%	0%	1%	2%	1%
1975	Wet	3%	3%	3%	3%	4%	3%	1%	1%	2%	4%	5%	5%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	-2%	-3%	-1%	-1%	-1%	-1%	0%	-1%	0%	-1%	-1%
1979	Below Normal	2%	3%	3%	3%	4%	3%	1%	1%	1%	3%	0%	0%
1980	Above Normal	-1%	-1%	2%	2%	2%	1%	4%	1%	1%	2%	3%	2%
1981	Dry	3%	1%	1%	2%	2%	1%	0%	0%	0%	2%	3%	2%
1982	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	2%	2%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1985	Dry	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1986	Wet	-1%	0%	0%	3%	3%	2%	1%	1%	1%	3%	4%	4%
1987	Dry	1%	1%	1%	1%	1%	1%	0%	0%	0%	1%	2%	1%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%	-1%	-1%
1989	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	3%	2%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	2%	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1996	Wet	3%	3%	3%	3%	3%	-9%	1%	1%	1%	3%	1%	1%
1997	Wet	2%	10%	1%	2%	2%	-10%	0%	1%	1%	2%	3%	2%
1998	Wet	1%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1999	Wet	0%	3%	3%	4%	4%	3%	1%	2%	2%	4%	6%	5%
2000	Above Normal	3%	2%	3%	3%	3%	3%	1%	1%	1%	3%	5%	4%
2001	Dry	1%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%	1%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	1%	1%	1%	1%	2%	1%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
Existing Condition (cfs)

SAC													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,527	3,607	4,109	5,577	5,465	5,526	4,052	3,450	3,132	2,833	1,331	1,835
1923	Below Normal	2,349	2,950	3,873	5,504	5,899	5,443	3,738	2,895	2,566	2,160	382	521
1924	Critical	780	1,508	2,039	3,025	3,139	2,590	1,718	1,071	859	704	384	542
1925	Dry	1,233	3,063	4,038	5,754	6,281	5,662	3,859	2,895	2,556	2,106	383	647
1926	Dry	1,178	1,989	3,481	4,950	5,403	4,874	3,333	2,501	2,206	1,815	425	1,125
1927	Wet	2,818	3,790	4,346	5,838	5,712	5,770	4,286	3,679	3,350	3,033	412	752
1928	Above Normal	1,026	3,739	4,231	5,665	5,563	5,587	4,162	3,568	3,248	2,935	373	510
1929	Critical	630	1,250	1,854	2,743	2,846	2,348	1,534	989	791	647	377	658
1930	Dry	858	2,238	2,984	4,322	4,617	4,021	2,714	1,893	1,617	1,338	366	582
1931	Critical	738	1,739	2,349	3,482	3,609	2,980	1,962	1,206	1,013	829	428	753
1932	Dry	1,097	2,311	3,062	4,392	4,770	4,254	2,891	2,124	1,858	1,532	374	607
1933	Critical	948	1,992	2,797	4,114	4,307	3,628	2,419	1,573	1,292	1,068	382	523
1934	Critical	800	1,866	2,519	3,733	3,868	1,572	435	1,744	2,676	2,063	387	723
1935	Below Normal	1,041	3,056	4,055	4,627	5,544	5,908	4,086	3,068	2,723	2,235	416	801
1936	Below Normal	2,702	3,871	4,522	6,066	5,935	5,998	4,461	3,832	3,489	3,158	383	635
1937	Below Normal	1,610	4,043	4,644	6,357	6,228	6,297	4,557	3,848	3,481	3,159	1,183	1,813
1938	Wet	2,539	3,926	4,613	6,384	6,268	6,362	4,509	3,840	3,431	3,114	823	1,370
1939	Dry	2,135	3,102	3,999	4,066	6,436	5,009	4,438	3,430	2,306	3,264	367	553
1940	Above Normal	1,482	3,033	4,090	5,349	6,469	5,834	3,997	3,002	2,655	2,183	924	1,614
1941	Wet	2,341	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,275	1,867
1942	Wet	2,581	3,656	4,199	5,741	5,629	5,697	4,138	3,505	3,178	2,873	574	1,933
1943	Wet	2,716	4,155	4,771	6,511	6,376	6,462	4,696	3,992	3,610	3,271	355	468
1944	Dry	836	2,334	3,096	4,442	4,796	4,250	2,888	2,090	1,818	1,501	539	757
1945	Below Normal	2,701	3,866	4,347	5,838	5,713	5,770	4,286	3,679	3,349	3,033	1,380	1,968
1946	Below Normal	2,714	3,566	4,141	5,583	5,467	5,532	4,092	3,505	3,188	2,881	447	753
1947	Dry	1,128	3,491	4,248	5,872	6,097	5,778	4,113	3,306	2,968	2,567	380	501
1948	Below Normal	642	1,884	3,071	2,628	6,144	5,586	3,974	3,003	2,679	2,190	546	755
1949	Dry	1,096	3,519	4,238	5,836	6,016	5,745	4,112	3,334	3,000	2,611	385	527
1950	Below Normal	866	2,754	3,631	2,278	6,288	5,694	3,994	2,999	2,655	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,244	4,056	5,547	5,452	5,550	3,989	3,405	3,021	2,725	1,405	1,960
1953	Wet	2,563	3,210	3,833	5,292	5,399	5,238	3,749	3,078	2,771	2,431	537	919
1954	Above Normal	1,933	3,060	4,045	5,702	6,198	5,752	3,918	2,940	2,595	2,137	469	809
1955	Dry	1,271	2,558	3,379	4,825	5,271	4,741	3,229	2,416	2,130	1,754	1,384	2,051
1956	Wet	2,957	4,159	4,747	6,426	6,288	6,377	4,687	4,004	3,638	3,290	520	759
1957	Above Normal	1,255	2,527	2,752	1,661	6,187	5,552	3,802	2,841	2,518	2,060	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	440	919
1959	Below Normal	1,904	2,911	3,845	4,092	6,297	5,688	3,935	2,958	2,623	2,152	365	482
1960	Dry	912	3,307	4,291	5,108	6,762	5,303	4,565	3,488	3,113	2,570	374	584
1961	Dry	814	2,737	3,608	4,976	5,638	4,652	2,598	1,201	2,972	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,632	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	377	1,622
1964	Dry	2,589	3,769	4,245	5,705	5,583	5,644	4,190	3,595	3,273	2,961	1,096	1,793
1965	Wet	2,178	3,417	3,918	5,233	5,272	5,266	3,872	3,281	2,977	2,669	1,125	1,785
1966	Below Normal	2,124	2,983	3,913	5,415	6,091	5,557	3,795	2,896	2,560	2,130	373	1,935
1967	Wet	2,718	3,907	4,557	6,218	6,088	6,165	4,485	3,804	3,449	3,122	1,249	1,931
1968	Below Normal	2,482	3,113	3,855	5,403	5,659	5,346	3,745	2,985	2,666	2,291	1,120	1,814
1969	Wet	2,518	3,821	4,418	5,979	5,868	5,970	4,352	3,746	3,351	3,015	1,293	1,916
1970	Wet	2,759	3,655	4,260	5,740	5,619	5,687	4,210	3,607	3,281	2,965	1,311	1,706
1971	Wet	1,740	2,850	3,835	5,481	6,026	5,440	3,680	2,768	2,436	2,009	472	1,512
1972	Below Normal	2,358	3,119	3,998	5,664	6,077	5,587	3,848	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,798	3,745	4,372	5,880	5,754	5,818	4,316	3,702	3,370	3,049	1,336	1,986
1974	Wet	2,729	3,925	4,515	6,170	6,045	6,126	4,450	3,773	3,420	3,094	599	933
1975	Wet	2,766	3,788	4,260	5,723	5,600	5,655	4,200	3,605	3,283	2,973	434	740
1976	Critical	1,117	2,876	3,794	3,853	6,224	4,809	4,177	3,150	2,811	2,293	373	510
1977	Critical	631	774	402	186	208	215	1,288	571	1,957	3,126	370	883
1978	Above Normal	2,300	3,405	3,992	5,393	5,281	5,330	3,929	3,355	3,048	2,761	503	764
1979	Below Normal	2,560	3,699	4,280	5,809	5,691	5,747	4,211	3,583	3,252	2,946	422	1,626
1980	Above Normal	2,477	3,770	4,353	5,883	5,774	5,873	4,286	3,697	3,295	2,976	396	1,064
1981	Dry	1,517	2,792	3,761	3,140	6,327	5,456	4,089	3,080	2,744	2,239	1,252	1,898
1982	Wet	2,755	4,237	4,929	6,769	6,638	6,733	4,821	4,132	3,700	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,704	3,654	4,315	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,503	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,734	4,044	4,605	6,181	6,058	6,153	4,549	3,915	3,519	3,180	355	485
1987	Dry	599	1,935	2,611	3,859	3,995	3,303	2,191	1,371	1,103	907	388	629
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	383	590
1989	Dry	664	3,163	4,234	5,245	6,723	5,805	4,274	3,218	2,855	2,341	374	568
1990	Critical	774	1,677	2,266	3,361	3,485	2,876	1,906	1,189	954	784	380	520
1991	Critical	642	1,318	1,714	2,035	2,936	2,421	1,652	1,016	791	676	379	501
1992	Critical	642	1,282	1,735	2,573	1,005	218	2,045	2,139	740	2,385	374	1,742
1993	Above Normal	2,370	3,319	3,999	4,658	5,852	5,626	4,052	3,305	2,980	2,593	537	730
1994	Critical	1,195	2,607	3,444	4,515	5,458	3,046	3,425	1,254	2,268	3,679	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,022	3,641	3,301	878	1,423
1996	Wet	2,620	3,857	4,356	5,869	5,745	5,809	4,298	3,682	3,350	3,030	1,248	1,834
1997	Wet	2,484	3,793	4,383	6,026	5,909	5,987	4,314	3,637	3,290	2,977	454	1,762
1998	Wet	2,504	3,709	4,709	6,504	6,384	6,471	4,590	3,918	3,498	3,180	1,292	1,738
1999	Wet	2,685	3,681	4,284	5,770	5,648	5,716	4,234	3,629	3,301	2,983	516	844
2000	Above Normal	1,772	3,218	4,142	5,852	6,271	5,759	3,978	3,067	2,725	2,291	359	491
2001	Dry	800	1,977	2,668	3,950	4,091	3,380	2,238	1,399	1,125	925	351	911
2002	Dry	1,399	3,820	4,274	5,716	5,591	5,639	4,209	3,623	2,588	3,683	446	952
2003	Above Normal	1,414	2,615	3,457	2,667	5,863	5,299	3,716	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 3 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,635	3,845	4,507	6,855	6,696	6,173	4,438	3,738	3,374	3,056	1,323	1,899		
1923	Below Normal	2,553	3,106	2,584	3,566	6,881	6,110	4,438	3,575	3,217	2,747	491	652		
1924	Critical	838	1,747	2,361	2,870	1,771	270	493	2,569	3,151	3,779	524	721		
1925	Dry	1,000	2,593	3,425	4,887	5,337	4,801	3,272	2,448	2,160	1,779	524	720		
1926	Dry	1,282	2,125	3,880	5,064	6,116	5,520	3,652	1,846	3,187	2,561	471	980		
1927	Wet	2,776	3,705	4,249	5,662	6,243	5,775	4,323	3,725	3,395	3,072	409	754		
1928	Above Normal	1,025	3,714	4,237	3,339	6,041	6,032	4,564	3,925	3,585	3,214	486	666		
1929	Critical	825	1,664	2,249	1,759	238	791	742	1,426	1,185	3,528	488	692		
1930	Dry	895	2,296	3,049	2,624	5,120	4,549	3,177	2,298	2,009	1,648	478	656		
1931	Critical	814	1,685	2,278	3,386	2,897	237	377	1,290	1,784	3,790	483	752		
1932	Dry	1,154	2,402	3,175	5,099	5,611	4,490	3,035	2,270	2,001	1,647	467	638		
1933	Critical	852	1,929	2,606	3,868	4,009	3,309	1,199	1,339	1,265	1,679	462	633		
1934	Critical	898	2,035	2,741	4,047	3,308	277	443	2,370	3,492	3,849	466	742		
1935	Below Normal	1,066	3,152	3,635	3,076	6,985	6,842	4,894	3,678	3,253	2,661	413	758		
1936	Below Normal	2,678	3,985	4,579	6,748	6,659	6,074	4,517	3,882	3,534	3,199	374	578		
1937	Below Normal	1,588	4,067	4,697	7,097	6,862	6,461	4,605	3,889	3,508	3,183	1,124	1,810		
1938	Wet	2,510	3,869	4,555	6,535	6,198	6,764	5,016	3,788	3,383	3,070	652	1,217		
1939	Dry	1,989	3,169	4,061	5,165	6,462	4,995	4,458	3,458	1,858	3,515	368	555		
1940	Above Normal	1,479	3,032	4,089	6,158	6,491	5,832	3,996	3,001	2,654	2,183	924	1,614		
1941	Wet	2,340	3,499	4,153	6,373	6,187	5,750	4,095	3,429	3,072	2,772	1,274	1,860		
1942	Wet	2,569	3,634	4,168	6,340	6,189	5,647	4,108	3,483	3,159	2,856	508	1,924		
1943	Wet	2,704	4,137	4,740	7,106	6,857	6,495	4,671	3,964	3,589	3,251	355	468		
1944	Dry	851	2,326	3,086	4,432	4,780	4,229	2,872	2,071	1,798	1,485	538	757		
1945	Below Normal	2,661	3,870	4,352	6,526	6,293	5,776	4,291	3,683	3,353	3,036	1,380	1,968		
1946	Below Normal	2,726	3,582	4,159	6,369	5,567	5,556	4,111	3,520	3,202	2,894	454	744		
1947	Dry	1,119	3,480	4,249	5,881	6,121	5,787	4,111	3,295	2,957	2,552	380	502		
1948	Below Normal	642	1,887	3,128	2,628	6,156	5,597	3,979	3,007	2,681	2,192	544	754		
1949	Dry	1,093	3,517	4,239	5,839	6,024	5,748	4,112	3,332	2,997	2,607	385	527		
1950	Below Normal	867	2,753	3,631	2,274	6,290	5,695	3,991	2,997	2,654	2,177	1,499	2,042		
1951	Above Normal	2,732	3,621	4,282	6,496	6,195	5,723	4,231	3,623	3,295	2,978	1,066	1,515		
1952	Wet	2,142	3,243	3,882	6,036	5,901	5,373	3,825	3,184	2,859	2,579	1,431	1,959		
1953	Wet	2,536	3,209	3,835	6,088	5,358	5,218	3,759	3,112	2,808	2,479	532	923		
1954	Above Normal	2,000	3,083	4,077	5,834	6,212	5,786	3,937	2,955	2,607	2,148	473	805		
1955	Dry	1,266	2,537	3,352	4,787	5,230	4,704	3,203	2,397	2,113	1,739	1,358	2,053		
1956	Wet	2,959	4,162	4,749	7,017	6,957	6,380	4,689	4,006	3,640	3,292	520	759		
1957	Above Normal	1,254	2,529	2,760	2,477	6,198	5,545	3,808	2,848	2,525	2,066	436	1,976		
1958	Wet	2,829	4,376	5,062	7,505	7,282	7,043	4,945	4,255	3,820	3,465	462	903		
1959	Below Normal	1,783	2,836	3,746	3,548	6,226	5,626	3,914	2,944	2,614	2,141	365	482		
1960	Dry	923	3,319	4,292	5,209	6,719	5,386	4,507	3,458	3,086	2,556	374	584		
1961	Dry	815	2,743	3,617	4,988	5,651	4,686	2,598	1,202	2,973	3,157	385	527		
1962	Below Normal	1,380	2,778	3,702	3,449	6,357	5,734	4,024	3,030	2,688	2,204	1,398	1,962		
1963	Wet	2,640	3,535	4,111	6,324	5,912	5,494	4,063	3,478	3,164	2,858	378	1,627		
1964	Dry	2,591	3,767	4,243	5,702	5,581	5,642	4,189	3,594	3,271	2,959	1,100	1,792		
1965	Wet	2,152	3,416	3,922	6,010	5,740	5,282	3,882	3,286	2,982	2,671	1,126	1,783		
1966	Below Normal	2,121	2,982	3,913	5,414	6,093	5,558	3,796	2,896	2,560	2,130	372	1,935		
1967	Wet	2,719	3,908	4,546	6,849	6,681	6,147	4,475	3,796	3,442	3,116	1,218	1,911		
1968	Below Normal	2,437	3,065	3,860	6,197	5,863	5,391	3,739	2,938	2,615	2,223	1,133	1,788		
1969	Wet	2,501	3,799	4,395	6,597	5,839	6,415	4,470	3,733	3,327	2,996	1,293	1,916		
1970	Wet	2,759	3,655	4,273	6,371	6,184	5,799	4,223	3,618	3,292	2,975	1,308	1,701		
1971	Wet	1,723	2,840	3,821	5,402	6,016	5,431	3,678	2,766	2,435	2,007	478	1,518		
1972	Below Normal	2,359	3,119	3,997	5,661	6,073	5,585	3,847	2,969	2,635	2,214	398	2,004		
1973	Above Normal	2,799	3,745	4,374	6,555	6,340	5,820	4,317	3,703	3,371	3,050	1,336	1,982		
1974	Wet	2,724	3,874	4,431	6,752	6,464	5,990	4,369	3,712	3,369	3,046	590	934		
1975	Wet	2,784	3,827	4,304	6,476	6,220	5,713	4,243	3,642	3,317	3,004	438	739		
1976	Critical	1,111	2,859	3,772	3,826	6,189	4,806	4,147	3,126	2,789	2,275	373	510		
1977	Critical	631	852	402	186	208	216	1,288	575	1,943	3,131	370	884		
1978	Above Normal	2,234	3,332	4,001	6,128	6,009	5,525	3,912	3,253	2,939	2,611	480	761		
1979	Below Normal	2,583	3,732	4,269	6,513	6,178	5,712	4,202	3,585	3,257	2,950	405	1,629		
1980	Above Normal	2,444	3,564	4,189	6,368	6,106	5,813	4,139	3,492	3,138	2,834	355	1,091		
1981	Dry	1,714	2,861	3,858	4,497	6,419	5,411	4,143	3,121	2,778	2,270	1,248	1,896		
1982	Wet	2,751	4,238	4,930	7,411	7,182	6,750	4,837	4,148	3,715	3,370	1,069	1,505		
1983	Wet	2,102	3,307	3,911	6,033	5,299	5,867	3,987	3,263	2,903	2,608	1,397	1,829		
1984	Wet	2,702	3,654	4,316	6,517	6,241	5,757	4,266	3,658	3,329	3,008	1,191	975		
1985	Dry	2,496	3,504	4,063	5,465	5,350	5,405	4,010	3,438	3,128	2,830	366	520		
1986	Wet	2,711	4,046	4,607	6,648	6,717	6,286	4,551	3,919	3,523	3,180	355	486		
1987	Dry	600	1,865	2,516	3,720	3,853	3,184	2,113	1,322	1,064	874	388	628		
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	382	589		
1989	Dry	663	3,160	4,229	5,225	6,719	5,712	4,302	3,240	2,876	2,357	374	568		
1990	Critical	774	1,678	2,267	3,361	3,485	2,877	1,906	1,190	955	784	380	520		
1991	Critical	642	1,318	1,684	2,035	2,943	2,427	1,658	1,019	761	708	379	501		
1992	Critical	642	1,282	1,735	2,573	967	218	2,045	2,135	737	2,430	374	1,740		
1993	Above Normal	2,362	3,317	4,001	5,445	6,314	5,636	4,058	3,307	2,982	2,594	537	731		
1994	Critical	1,196	2,608	3,444	4,520	5,458	3,046	3,425	1,254	2,269	3,678	380	1,532		
1995	Wet	2,043	4,204	4,806	7,156	6,409	6,963	4,880	4,028	3,647	3,303	879	1,592		
1996	Wet	2,569	3,777	4,261	5,985	6,105	6,175	4,208	3,608	3,283	2,969	1,253	1,840		
1997	Wet	2,492	3,798	4,388	6,679	6,510	6,004	4,319	3,642	3,295	2,981	472	1,760		
1998	Wet	2,501	3,706	4,389	6,713	5,948	6,497	4,455	3,617	3,264	2,958	1,316	1,800		
1999	Wet	2,716	3,668	4,297	6,341	6,152	5,953	4,247	3,639	3,311	2,992	515	850		
2000	Above Normal	1,739	3,197	4,142	6,472	6,541	5,772	3,973	3,045	2,701	2,261	359	491		
2001	Dry	811	1,993	2,689	3,982	4,124	3,407	2,256	1,410	1,134	932	352	909		
2002	Dry	1,397	3,808	4,261	5,699	5,573	5,621	4,196	3,612	2,657	3,596	448	954		
2003	Above Normal	1,414	2,615	3,456	2,666	5,862	5,298	3,715	n/a	n/a	n/a	n/a	n/a		

Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
 Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	108	238	398	1,278	1,231	647	387	289	242	223	-8	63
1923	Below Normal	204	156	-1,289	-1,938	982	667	700	680	651	586	110	130
1924	Critical	58	239	322	-156	-1,368	-2,320	-1,224	1,498	2,292	3,075	140	179
1925	Dry	-233	-470	-613	-866	-944	-861	-587	-447	-397	-327	140	73
1926	Dry	104	136	399	113	714	645	319	-654	982	747	45	-145
1927	Wet	-42	-85	-98	-176	531	5	37	46	45	38	-3	2
1928	Above Normal	-2	-25	6	-2,327	478	445	402	357	337	279	113	156
1929	Critical	195	414	395	-984	-2,607	-1,557	-792	437	394	2,881	111	33
1930	Dry	37	58	65	-1,699	503	529	463	405	392	310	111	74
1931	Critical	76	-54	-71	-96	-712	-2,743	-1,585	84	771	2,960	55	-1
1932	Dry	58	91	112	707	840	236	144	146	143	115	93	31
1933	Critical	-96	-63	-191	-246	-297	-318	-1,220	-233	-27	611	80	110
1934	Critical	98	169	221	314	-560	-1,295	9	626	816	1,786	79	19
1935	Below Normal	25	96	-420	-1,551	441	934	808	610	530	426	-3	-43
1936	Below Normal	-25	114	57	681	724	76	57	49	45	41	-8	-57
1937	Below Normal	-21	24	53	740	634	164	47	41	28	23	-59	-3
1938	Wet	-29	-57	-58	151	-70	403	506	-52	-49	-44	-170	-153
1939	Dry	-146	67	61	1,098	26	-14	20	28	-447	250	1	2
1940	Above Normal	-3	-1	-2	809	22	-2	-1	-1	0	1	0	0
1941	Wet	-2	0	0	648	565	44	0	-1	1	0	-1	-7
1942	Wet	-12	-23	-31	598	560	-50	-30	-22	-19	-17	-66	-9
1943	Wet	-12	-19	-31	595	480	34	-25	-28	-21	-20	0	0
1944	Dry	15	-9	-10	-10	-16	-21	-16	-19	-19	-16	-1	1
1945	Below Normal	-40	5	5	688	581	5	5	4	4	3	0	0
1946	Below Normal	12	16	18	786	101	24	18	16	14	13	7	-8
1947	Dry	-9	-11	1	9	23	9	-1	-10	-11	-15	0	0
1948	Below Normal	0	3	57	0	12	11	5	4	2	2	-2	-1
1949	Dry	-3	-3	1	3	7	3	0	-3	-3	-4	0	0
1950	Below Normal	2	-1	-1	-3	2	1	-2	-2	-1	-1	0	0
1951	Above Normal	0	0	0	720	540	0	0	0	0	0	0	0
1952	Wet	-1	-1	-173	489	449	-178	-164	-221	-163	-145	26	-2
1953	Wet	-26	-1	2	796	-41	-20	9	34	37	48	-5	5
1954	Above Normal	66	23	32	132	14	34	20	15	13	11	4	-4
1955	Dry	-6	-21	-27	-38	-42	-38	-26	-19	-17	-14	-26	1
1956	Wet	2	3	2	591	669	3	2	2	2	2	0	0
1957	Above Normal	-1	1	8	816	11	-7	6	7	7	6	0	0
1958	Wet	0	0	0	585	499	170	0	-2	4	-1	23	-16
1959	Below Normal	-122	-76	-99	-543	-71	-62	-21	-14	-9	-11	0	0
1960	Dry	11	12	1	101	-43	83	-58	-30	-27	-14	0	0
1961	Dry	0	6	8	11	13	34	0	0	1	0	0	0
1962	Below Normal	0	0	0	816	24	0	0	0	0	0	0	0
1963	Wet	0	0	0	779	482	0	0	0	0	0	0	5
1964	Dry	2	-2	-2	-2	-2	-2	-2	-1	-1	-1	4	-1
1965	Wet	-26	-2	3	777	468	15	10	6	5	2	1	-2
1966	Below Normal	-3	0	0	-1	2	1	1	0	0	0	-1	1
1967	Wet	1	2	-11	631	593	-18	-11	-8	-7	-6	-32	-20
1968	Below Normal	-45	-48	6	794	204	44	-6	-47	-52	-67	13	-26
1969	Wet	-18	-22	-23	619	-28	445	118	-14	-24	-19	0	0
1970	Wet	0	0	13	631	564	112	13	11	10	9	-3	-5
1971	Wet	-18	-10	-14	-80	-10	-9	-3	-2	-1	-1	6	6
1972	Below Normal	1	0	-2	-3	-4	-2	-1	0	0	1	0	0
1973	Above Normal	1	0	1	675	586	2	1	1	1	1	0	-4
1974	Wet	-5	-50	-84	582	419	-136	-82	-61	-52	-48	-10	1
1975	Wet	18	39	44	753	620	58	43	37	34	31	4	-1
1976	Critical	-6	-17	-22	-27	-35	-4	-30	-24	-22	-18	0	0
1977	Critical	0	78	0	0	0	1	0	4	-14	5	0	1
1978	Above Normal	-66	-73	9	736	728	195	-17	-102	-110	-150	-23	-4
1979	Below Normal	23	33	-12	704	487	-35	-8	2	5	4	-17	3
1980	Above Normal	-33	-206	-164	485	332	-60	-147	-205	-157	-142	-41	27
1981	Dry	197	69	97	1,358	93	-45	54	41	34	30	-3	-2
1982	Wet	-4	1	1	642	544	17	16	16	15	14	0	0
1983	Wet	0	0	0	648	0	473	140	-5	9	-3	0	0
1984	Wet	-1	0	0	706	553	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-23	2	3	467	659	133	2	4	4	0	0	0
1987	Dry	1	-70	-94	-139	-143	-118	-78	-49	-40	-33	0	-1
1988	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1
1989	Dry	-1	-3	-4	-20	-4	-93	28	22	21	16	0	0
1990	Critical	0	0	1	1	1	1	0	0	0	0	0	0
1991	Critical	0	0	-30	0	8	6	6	3	-29	32	0	0
1992	Critical	0	0	0	0	-39	0	0	-4	-4	46	0	-2
1993	Above Normal	-8	-2	1	786	461	10	6	3	2	0	0	1
1994	Critical	1	0	0	4	0	0	0	0	1	0	0	0
1995	Wet	0	0	0	615	5	479	146	7	7	2	1	169
1996	Wet	-51	-80	-95	116	361	366	-90	-74	-66	-61	4	7
1997	Wet	9	6	5	653	601	17	5	5	5	5	18	-2
1998	Wet	-2	-3	-320	209	-436	26	-134	-301	-234	-222	25	62
1999	Wet	30	-13	13	572	504	236	13	11	10	9	-1	6
2000	Above Normal	-33	-21	0	619	270	14	-5	-22	-24	-30	0	0
2001	Dry	11	16	21	31	33	27	17	11	9	7	1	-2
2002	Dry	-2	-12	-13	-18	-17	-18	-13	-11	69	-87	1	2
2003	Above Normal	1	0	-1	0	-1	-1	-1	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	4%	7%	10%	23%	23%	12%	10%	8%	8%	8%	-1%	3%
1923	Below Normal	9%	5%	-33%	-35%	17%	12%	19%	23%	25%	27%	29%	-25%
1924	Critical	7%	16%	16%	-5%	-44%	-90%	-71%	140%	267%	437%	36%	33%
1925	Dry	-19%	-15%	-15%	-15%	-15%	-15%	-15%	-15%	-16%	-16%	37%	11%
1926	Dry	9%	7%	11%	2%	13%	13%	10%	-26%	45%	41%	11%	-13%
1927	Wet	-1%	-2%	-2%	-3%	9%	0%	1%	1%	1%	1%	-1%	0%
1928	Above Normal	0%	-1%	0%	-41%	9%	8%	10%	10%	10%	10%	30%	31%
1929	Critical	31%	33%	21%	-36%	-92%	-66%	-52%	44%	50%	445%	30%	5%
1930	Dry	4%	3%	2%	-39%	11%	13%	17%	21%	24%	23%	30%	13%
1931	Critical	10%	-3%	-3%	-3%	-20%	-92%	-81%	7%	76%	357%	13%	0%
1932	Dry	5%	4%	4%	16%	18%	6%	5%	7%	8%	7%	25%	5%
1933	Critical	-10%	-3%	-7%	-6%	-7%	-9%	-50%	-15%	-2%	57%	21%	21%
1934	Critical	12%	9%	9%	8%	-14%	-82%	2%	36%	31%	87%	20%	3%
1935	Below Normal	2%	3%	-10%	-34%	7%	16%	20%	20%	19%	19%	-1%	-5%
1936	Below Normal	-1%	3%	1%	11%	12%	1%	1%	1%	1%	1%	-2%	-9%
1937	Below Normal	-1%	1%	1%	12%	10%	3%	1%	1%	1%	1%	-5%	0%
1938	Wet	-1%	-1%	-1%	2%	-1%	6%	11%	-1%	-1%	-1%	-21%	-11%
1939	Dry	-7%	2%	2%	27%	0%	0%	0%	1%	-19%	8%	0%	0%
1940	Above Normal	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	11%	10%	1%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-1%	-1%	10%	10%	-1%	-1%	-1%	-1%	-1%	-12%	0%
1943	Wet	0%	0%	-1%	9%	8%	1%	-1%	-1%	-1%	-1%	0%	0%
1944	Dry	2%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	0%	0%
1945	Below Normal	-1%	0%	0%	12%	10%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	14%	2%	0%	0%	0%	0%	0%	2%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1948	Below Normal	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	12%	10%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	-4%	9%	8%	-3%	-4%	-6%	-5%	-5%	2%	0%
1953	Wet	-1%	0%	0%	15%	-1%	0%	1%	2%	1%	2%	-1%	0%
1954	Above Normal	3%	1%	1%	2%	0%	1%	0%	1%	0%	1%	1%	0%
1955	Dry	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	9%	11%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	49%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	8%	7%	2%	0%	0%	0%	0%	5%	-2%
1959	Below Normal	-6%	-3%	-3%	-13%	-1%	-1%	-1%	0%	0%	-1%	0%	0%
1960	Dry	1%	0%	0%	2%	-1%	2%	-1%	-1%	-1%	-1%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	14%	9%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-1%	0%	0%	15%	9%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	10%	10%	0%	0%	0%	0%	0%	-3%	-1%
1968	Below Normal	-2%	-2%	0%	15%	4%	1%	0%	-2%	-2%	1%	1%	-1%
1969	Wet	-1%	-1%	-1%	10%	0%	7%	3%	0%	-1%	-1%	0%	0%
1970	Wet	0%	0%	0%	11%	10%	2%	0%	0%	0%	0%	0%	0%
1971	Wet	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	11%	10%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-1%	-2%	9%	7%	-2%	-2%	-2%	-2%	-2%	-2%	0%
1975	Wet	1%	1%	1%	13%	11%	1%	1%	1%	1%	1%	1%	0%
1976	Critical	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1977	Critical	0%	10%	0%	0%	0%	0%	0%	1%	-1%	0%	0%	0%
1978	Above Normal	-3%	-2%	0%	14%	14%	0%	0%	-3%	-4%	-5%	-5%	0%
1979	Below Normal	1%	1%	0%	12%	9%	-1%	0%	0%	0%	0%	-4%	0%
1980	Above Normal	-1%	-5%	-4%	8%	6%	-1%	-3%	-6%	-5%	-5%	-10%	3%
1981	Dry	13%	2%	3%	43%	1%	-1%	1%	1%	1%	1%	0%	0%
1982	Wet	0%	0%	0%	9%	8%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	12%	0%	9%	4%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	12%	10%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	8%	11%	2%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	-4%	5%	0%	0%
1992	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	2%	0%	0%
1993	Above Normal	0%	0%	0%	17%	8%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	9%	0%	7%	3%	0%	0%	0%	0%	12%
1996	Wet	-2%	-2%	-2%	2%	6%	6%	-2%	-2%	-2%	-2%	0%	0%
1997	Wet	0%	0%	0%	11%	10%	0%	0%	0%	0%	0%	4%	0%
1998	Wet	0%	0%	-7%	3%	-7%	0%	-3%	-8%	-7%	-7%	2%	4%
1999	Wet	1%	0%	0%	10%	9%	0%	0%	0%	0%	0%	0%	1%
2000	Above Normal	-2%	-1%	0%	11%	4%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-2%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	756	4,709	6,178	7,947	7,996	6,058	1,386	1,534	790	388	112	110
1924	Critical	452	5,425	4,848	6,248	5,968	4,500	1,404	743	540	133	144	92
1925	Dry	66	4,162	4,471	7,683	7,900	5,943	1,788	1,721	678	330	107	108
1926	Dry	345	3,086	5,265	7,876	7,364	5,440	1,831	1,165	325	345	105	106
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,708	5,916	8,011	7,762	5,874	1,988	1,615	467	245	212	112
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92
1933	Critical	346	5,520	4,400	6,176	5,903	4,444	1,362	945	685	131	159	90
1934	Critical	149	5,043	4,621	6,198	6,159	4,664	1,482	983	361	261	91	93
1935	Below Normal	60	2,732	5,467	8,037	7,528	5,689	1,862	1,253	681	300	106	104
1936	Below Normal	110	4,799	5,363	7,044	7,605	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,812	7,305	7,495	5,670	1,913	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	910	7,190	5,206	7,681	7,284	5,539	1,551	1,381	855	352	106	104
1940	Above Normal	78	4,858	5,276	8,653	8,406	6,402	2,220	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,495	6,142	8,380	8,196	6,255	2,209	1,653	739	316	116	114
1944	Dry	190	5,302	4,961	7,415	7,344	5,542	1,839	1,329	444	274	127	108
1945	Below Normal	69	5,511	5,122	7,720	8,039	6,099	2,130	997	548	169	203	112
1946	Below Normal	174	6,934	6,123	8,356	7,939	6,126	2,083	1,623	605	197	235	118
1947	Dry	96	5,561	5,688	7,129	7,708	5,807	2,005	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,686	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,316	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,823	7,748	7,436	5,613	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	325	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,348	5,790	7,808	7,461	5,637	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,981	6,353	8,147	7,891	5,871	1,024	1,744	879	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,339	5,681	7,757	7,796	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,194	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,052	5,894	7,305	7,409	5,544	1,722	1,174	406	209	106	108
1965	Wet	388	4,376	6,252	8,459	8,181	5,326	2,191	1,821	392	301	120	118
1966	Below Normal	243	6,871	6,364	8,234	7,950	6,037	2,085	1,736	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,087	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,090	5,962	5,804	7,352	7,072	4,731	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	5,001	5,962	8,252	7,868	5,888	1,953	1,073	507	167	110	108
1980	Above Normal	78	5,153	5,829	8,152	8,201	6,329	2,192	1,631	823	233	116	118
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	73	5,581	5,773	7,577	7,194	5,424	1,767	1,415	528	163	106	101
1988	Critical	560	5,188	4,652	6,846	6,909	5,184	1,645	1,528	514	248	205	174
1989	Dry	76	5,217	6,039	7,568	7,621	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,587	6,494	6,450	4,868	1,521	1,093	539	219	89	91
1992	Critical	65	4,040	5,026	6,253	6,597	5,013	1,533	791	499	136	93	96
1993	Above Normal	69	5,237	4,548	7,578	8,396	6,310	2,278	1,408	557	341	116	118
1994	Critical	280	5,617	4,280	7,201	6,968	5,312	1,766	1,219	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,723	1,962	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,859	7,562	7,513	5,677	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 3 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118		
1923	Below Normal	748	4,692	6,147	7,913	7,954	6,024	1,376	1,528	789	387	111	109		
1924	Critical	455	5,441	4,864	6,267	5,988	4,517	1,413	744	541	133	144	93		
1925	Dry	66	4,165	4,480	7,698	7,918	5,958	1,794	1,725	678	330	107	108		
1926	Dry	350	3,095	5,303	7,933	7,425	5,489	1,857	1,170	327	346	106	108		
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114		
1928	Above Normal	69	4,718	5,939	8,041	7,794	5,901	2,002	1,621	468	246	213	113		
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97		
1930	Dry	68	4,317	5,157	7,772	7,377	5,552	1,595	1,506	625	426	106	104		
1931	Critical	591	5,605	4,229	5,770	6,073	4,591	1,417	1,033	453	132	103	88		
1932	Dry	214	5,106	4,266	6,325	6,254	4,714	1,487	1,235	566	243	93	92		
1933	Critical	346	5,511	4,392	6,165	5,891	4,435	1,357	943	684	130	159	89		
1934	Critical	148	5,038	4,615	6,190	6,150	4,657	1,478	212	361	261	91	93		
1935	Below Normal	60	2,732	5,460	8,026	7,516	5,679	1,857	1,253	681	300	106	104		
1936	Below Normal	110	4,800	5,363	7,045	7,606	5,772	1,885	1,644	907	302	106	108		
1937	Below Normal	64	4,706	5,817	7,311	7,501	5,676	1,916	1,242	415	193	106	108		
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476		
1939	Dry	899	7,146	5,172	7,634	7,233	5,497	1,534	1,376	854	352	106	104		
1940	Above Normal	78	4,861	5,280	8,660	8,414	6,408	2,222	1,195	606	172	116	118		
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118		
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118		
1943	Wet	82	4,493	6,137	8,373	8,188	6,249	2,206	1,652	739	316	116	114		
1944	Dry	190	5,297	4,955	7,406	7,333	5,534	1,834	1,328	444	274	127	108		
1945	Below Normal	69	5,497	5,103	7,688	8,004	6,070	2,115	996	548	168	202	111		
1946	Below Normal	174	6,926	6,114	8,344	7,927	6,116	2,078	1,621	605	197	235	118		
1947	Dry	96	5,563	5,692	7,133	7,713	5,811	2,007	1,012	652	352	216	232		
1948	Below Normal	273	2,239	4,183	7,757	8,685	6,573	2,053	1,503	719	212	184	125		
1949	Dry	69	5,489	5,410	8,317	8,010	6,059	2,086	1,781	706	370	116	118		
1950	Below Normal	146	5,851	5,822	7,747	7,435	5,612	1,759	1,017	486	163	106	108		
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114		
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118		
1953	Wet	323	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118		
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118		
1955	Dry	539	5,347	5,789	7,806	7,460	5,636	1,630	1,494	576	163	106	104		
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118		
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116		
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118		
1959	Below Normal	256	6,984	6,356	8,151	7,896	5,874	1,024	1,745	880	348	115	113		
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108		
1961	Dry	70	5,338	5,681	7,757	7,795	5,830	1,829	1,631	525	260	191	111		
1962	Below Normal	73	6,165	6,178	8,193	8,205	6,185	2,119	934	731	262	116	118		
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114		
1964	Dry	593	7,053	5,896	7,307	7,411	5,545	1,723	1,174	406	209	106	108		
1965	Wet	387	4,371	6,237	8,439	8,160	5,311	2,182	1,817	392	301	120	118		
1966	Below Normal	244	6,880	6,375	8,247	7,964	6,048	2,091	1,738	342	236	116	118		
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114		
1968	Below Normal	74	5,867	6,056	7,773	8,086	5,493	2,151	1,357	512	176	115	117		
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118		
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116		
1971	Wet	320	7,269	5,328	8,257	8,166	6,195	2,079	1,728	700	226	194	143		
1972	Below Normal	1,003	6,694	5,875	7,723	7,672	5,814	1,595	1,031	350	281	109	110		
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118		
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118		
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472		
1976	Critical	1,089	5,962	5,803	7,351	7,071	4,730	1,536	1,543	731	372	98	256		
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91		
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118		
1979	Below Normal	72	4,981	5,923	8,200	7,812	5,844	1,930	1,071	506	166	109	107		
1980	Above Normal	78	5,148	5,818	8,138	8,185	6,316	2,186	1,628	823	233	116	118		
1981	Dry	69	4,756	5,663	8,603	8,255	6,297	1,945	1,043	357	212	116	118		
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118		
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114		
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118		
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118		
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120		
1987	Dry	72	5,579	5,770	7,573	7,190	5,420	1,765	1,414	528	163	106	101		
1988	Critical	559	5,185	4,649	6,842	6,904	5,181	1,643	1,527	514	248	205	174		
1989	Dry	76	5,217	6,038	7,567	7,620	5,702	646	1,097	668	438	106	104		
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154		
1991	Critical	64	3,895	4,586	6,493	6,449	4,867	1,521	1,093	539	219	89	91		
1992	Critical	65	4,039	5,025	6,251	6,595	4,997	1,532	791	499	136	93	96		
1993	Above Normal	69	5,235	4,545	7,575	8,391	6,306	2,276	1,408	557	341	116	118		
1994	Critical	280	5,616	4,280	7,200	6,968	5,311	1,766	1,218	358	212	101	104		
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114		
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118		
1997	Wet	467	7,271	6,135	7,885	8,036	5,716	1,958	1,348	360	307	116	118		
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118		
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114		
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118		
2001	Dry	73	4,831	5,860	7,563	7,514	5,678	1,724	1,441	354	163	106	104		
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118		
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a		

Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
 Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	-8	-18	-30	-35	-42	-34	-10	-6	-2	-1	-1	-1
1924	Critical	4	16	16	19	20	16	9	1	1	1	1	1
1925	Dry	0	3	8	15	18	15	6	3	1	0	0	0
1926	Dry	5	9	38	57	61	49	26	5	1	1	1	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	11	23	30	33	27	14	6	1	1	1	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	-9	-8	-11	-11	-9	-5	-1	-1	0	0	0
1934	Critical	0	-5	-7	-8	-9	-7	-4	-771	0	0	0	0
1935	Below Normal	0	0	-7	-11	-12	-10	-5	-1	0	0	0	0
1936	Below Normal	0	0	0	1	1	1	6	0	0	0	0	0
1937	Below Normal	0	3	5	6	7	6	3	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-12	-44	-34	-47	-51	-41	-16	-5	-1	0	0	0
1940	Above Normal	0	3	4	7	7	6	3	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	-2	-5	-7	-8	-6	-3	-1	0	0	0	0
1944	Dry	0	-5	-7	-9	-11	-9	-4	-1	0	0	0	0
1945	Below Normal	0	-14	-19	-32	-35	-29	-15	-1	0	-1	-1	-1
1946	Below Normal	0	-8	-9	-12	-12	-10	-5	-2	0	0	0	0
1947	Dry	0	3	4	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	1	1	1	0	0	0	0	0	0
1950	Below Normal	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1954	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-1	-1	-2	-2	-1	-1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	3	3	4	4	3	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	2	2	2	2	2	1	0	0	0	0	0
1965	Wet	-1	-5	-16	-20	-22	-14	-9	-4	0	0	0	0
1966	Below Normal	0	9	11	13	14	11	6	2	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	0	0	0	-1	-1	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-1	0	0	0	0	0	0	0	0	0	0	0
1979	Below Normal	0	-20	-39	-52	-56	-45	-23	-3	-1	-1	-1	-1
1980	Above Normal	0	-6	-10	-13	-16	-13	-6	-2	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	-2	-3	-4	-4	-3	-2	0	0	0	0	0
1988	Critical	-1	-2	-3	-4	-5	-4	-2	-1	0	0	0	0
1989	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1992	Critical	0	-1	-1	-2	-2	-16	-1	0	0	0	0	0
1993	Above Normal	0	-2	-3	-4	-5	-4	-2	0	0	0	0	0
1994	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	-1	-6	-6	-7	-9	-6	-3	-1	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%
1924	Critical	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	2%	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	-78%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1940	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	5
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,450	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,656	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,406	3,336	2,532	968	267	74	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	116	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	6
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	12	74
1939	Dry	629	3,398	2,274	3,179	3,001	2,410	1,653	444	83	14	4	5
1940	Above Normal	24	2,165	2,597	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	39	974	2,483	3,743	3,538	2,844	2,317	697	19	18	11	16
1943	Wet	35	1,419	2,967	3,444	3,295	2,664	2,200	657	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	19	2,280	2,965	3,206	3,348	2,487	2,223	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,022	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,014	3,146	3,211	2,600	2,138	733	23	22	16	16
1953	Wet	104	1,995	2,723	3,311	3,343	2,507	2,219	416	15	15	6	10
1954	Above Normal	28	1,323	2,982	3,460	3,322	2,523	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,313	3,091	2,475	1,000	726	90	13	4	4
1960	Dry	14	1,813	2,677	3,447	3,208	2,589	2,133	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,779	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,366	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,552	2,837	2,302	707	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,178	3,232	2,404	2,131	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,935	3,252	3,485	2,830	2,725	2,260	147	20	20	11	11
1975	Wet	34	2,086	3,152	3,436	3,189	2,517	2,126	62	23	17	7	35
1976	Critical	876	3,048	2,952	3,363	3,332	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,144	3,648	3,428	2,757	1,473	809	16	16	6	7
1979	Below Normal	33	1,845	3,131	3,564	3,319	2,546	2,090	86	18	17	10	15
1980	Above Normal	41	2,418	2,870	3,181	3,108	2,509	2,022	596	74	22	8	12
1981	Dry	25	1,937	3,030	3,584	3,340	2,678	1,883	28	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	39	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,993	3,225	2,995	2,396	1,984	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,672	1,928	3,751	3,540	2,826	2,307	103	18	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,175	3,515	3,492	2,790	2,046	290	23	22	15	14
1999	Wet	39	2,465	2,972	3,068	3,055	2,431	2,023	570	18	17	6	10
2000	Above Normal	28	1,835	2,727	3,529	3,473	2,786	2,139	32	14	14	4	4
2001	Dry	39	2,223	3,136	3,305	3,144	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,999	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 3 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	40	2,753	2,709	3,332	3,136	2,527	2,087	128	21	20	15	16		
1923	Below Normal	281	2,035	3,039	3,321	3,311	2,657	1,508	553	38	14	5	6		
1924	Critical	25	2,028	1,721	1,998	1,965	1,487	586	10	6	5	6			
1925	Dry	16	1,697	2,619	3,329	3,436	2,710	1,959	689	11	11	6	6		
1926	Dry	183	1,125	2,919	3,700	3,456	2,744	2,284	171	12	12	7	11		
1927	Wet	34	2,252	2,821	3,254	3,304	2,654	2,180	109	17	16	7	8		
1928	Above Normal	17	2,049	3,033	3,249	3,082	2,477	2,048	610	13	12	5	6		
1929	Critical	25	2,976	3,055	2,788	3,442	2,605	1,013	451	83	6	5	6		
1930	Dry	14	1,897	2,815	3,425	3,186	2,550	1,896	649	10	9	5	6		
1931	Critical	175	2,095	1,443	1,820	2,037	1,547	581	230	5	5	5	8		
1932	Dry	126	2,746	2,191	3,258	3,055	2,448	2,026	697	38	8	5	6		
1933	Critical	45	3,389	2,490	3,404	3,333	2,528	965	266	73	6	5	6		
1934	Critical	54	1,767	1,583	2,040	2,106	1,600	596	118	7	6	5	7		
1935	Below Normal	17	1,137	2,987	3,641	3,398	2,725	2,163	435	14	13	4	9		
1936	Below Normal	33	2,063	2,715	3,029	3,285	2,641	2,169	684	93	18	4	5		
1937	Below Normal	26	2,123	3,191	3,100	3,272	2,635	2,176	144	21	20	13	19		
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	11	74		
1939	Dry	628	3,398	2,274	3,179	3,001	2,410	1,653	444	83	11	4	5		
1940	Above Normal	24	2,165	2,596	3,469	3,306	2,651	2,185	135	13	13	12	15		
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18		
1942	Wet	38	974	2,483	3,743	3,536	2,842	2,316	696	19	18	11	16		
1943	Wet	34	1,419	2,967	3,443	3,293	2,662	2,199	656	21	20	4	4		
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7		
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17		
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7		
1947	Dry	18	2,280	2,965	3,206	3,348	2,487	2,222	33	15	14	4	4		
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7		
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,021	715	35	15	4	5		
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17		
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16		
1952	Wet	35	1,835	3,011	3,140	3,199	2,586	2,129	727	20	20	17	16		
1953	Wet	104	1,995	2,723	3,312	3,344	2,508	2,219	417	16	15	6	10		
1954	Above Normal	29	1,323	2,982	3,460	3,323	2,524	2,204	675	14	13	7	9		
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18		
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7		
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17		
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10		
1959	Below Normal	95	2,900	2,947	3,312	3,089	2,473	999	726	90	12	4	4		
1960	Dry	15	1,813	2,677	3,447	3,208	2,589	2,134	644	14	14	4	5		
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5		
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16		
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13		
1964	Dry	178	3,147	2,778	3,057	3,089	2,487	1,831	159	17	17	12	15		
1965	Wet	141	2,012	3,067	3,365	3,155	2,098	2,071	745	16	15	12	14		
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17		
1967	Wet	37	909	3,157	3,107	3,551	2,837	2,302	706	20	19	13	16		
1968	Below Normal	32	2,431	2,998	3,177	3,231	2,403	2,130	164	15	14	13	19		
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17		
1970	Wet	36	2,536	3,075	2,997	3,122	2,512	2,075	278	18	17	14	14		
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13		
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16		
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19		
1974	Wet	39	1,934	3,251	3,483	2,827	2,722	2,258	146	20	19	11	11		
1975	Wet	34	2,087	3,153	3,436	3,190	2,518	2,126	62	23	17	7	34		
1976	Critical	876	3,048	2,952	3,363	3,331	2,162	890	447	23	10	4	25		
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10		
1978	Above Normal	30	1,265	3,143	3,647	3,425	2,753	1,471	807	16	15	5	7		
1979	Below Normal	32	1,845	3,131	3,564	3,317	2,544	2,089	85	18	17	9	15		
1980	Above Normal	41	2,414	2,867	3,176	3,098	2,498	2,014	591	73	20	8	12		
1981	Dry	27	1,938	3,031	3,585	3,342	2,680	1,885	29	13	12	13	17		
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19		
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16		
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11		
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4		
1986	Wet	37	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4		
1987	Dry	9	2,340	2,992	3,224	2,993	2,395	1,983	450	6	7	4	6		
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5		
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5		
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24		
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4		
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14		
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7		
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13		
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13		
1996	Wet	33	1,671	1,928	3,751	3,539	2,825	2,307	102	17	17	15	17		
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16		
1998	Wet	37	1,524	1,173	3,512	3,487	2,785	2,043	285	20	20	15	15		
1999	Wet	39	2,465	2,972	3,068	3,056	2,431	2,024	570	18	17	6	10		
2000	Above Normal	27	1,834	2,726	3,529	3,473	2,785	2,138	31	14	14	4	4		
2001	Dry	39	2,223	3,137	3,305	3,145	2,515	1,859	188	6	8	8	10		
2002	Dry	41	2,925	2,337	3,202	2,998	2,411	1,992	709	16	16	10	11		
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a		

Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
 Alternative 3 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	6	4	4	8	17	18	13	4	3	3	0	1
1923	Below Normal	1	1	1	1	3	3	2	1	0	1	1	1
1924	Critical	0	1	1	2	5	5	4	1	1	1	2	2
1925	Dry	-4	-2	-2	-4	-9	-10	-7	-4	-2	-2	2	1
1926	Dry	1	1	2	3	6	7	5	1	1	1	0	-1
1927	Wet	-1	0	0	-1	-2	-2	-2	0	0	0	0	0
1928	Above Normal	0	0	0	0	-1	-1	0	0	0	0	1	2
1929	Critical	1	2	2	3	6	7	5	3	1	1	1	0
1930	Dry	1	1	1	1	2	2	2	1	0	0	1	1
1931	Critical	1	0	0	0	-1	-1	0	0	0	0	1	0
1932	Dry	0	1	1	1	2	3	2	1	0	-2	1	0
1933	Critical	-1	0	-1	-2	-3	-4	-3	-2	-1	-1	1	1
1934	Critical	1	1	1	2	4	4	3	2	1	1	1	0
1935	Below Normal	1	1	0	1	2	2	1	0	0	0	0	-1
1936	Below Normal	0	1	0	0	1	1	1	0	0	0	0	-1
1937	Below Normal	0	1	1	2	3	3	3	1	1	1	-2	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	-3	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	-1	-1	-1	-1	0	0	0	0	0
1943	Wet	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-3	-6	-12	-13	-10	-6	-3	-2	0	0
1953	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1954	Above Normal	0	0	0	0	1	1	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	0	0	-1	-1	-1	-1	-1	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1975	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	0	0	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1979	Below Normal	0	0	0	-1	-1	-2	-1	0	0	0	0	0
1980	Above Normal	0	-4	-2	-5	-10	-11	-8	-5	-2	-2	0	0
1981	Dry	2	0	0	1	2	2	1	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-2	-3	-5	-5	-3	-6	-3	-2	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	-1	-1	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	16%	0%	0%	0%	1%	1%	1%	3%	19%	19%	2%	6%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	4%	32%	28%
1924	Critical	2%	0%	0%	0%	0%	0%	1%	17%	17%	17%	41%	37%
1925	Dry	-19%	0%	0%	0%	0%	0%	0%	-1%	-15%	-15%	41%	13%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	1%	12%	12%	-5%	-8%
1927	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	35%	34%
1929	Critical	6%	0%	0%	0%	0%	0%	1%	1%	1%	25%	33%	6%
1930	Dry	5%	0%	0%	0%	0%	0%	0%	0%	5%	5%	35%	14%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	14%	6%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	-16%	28%	6%
1933	Critical	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-8%	24%	23%
1934	Critical	1%	0%	0%	0%	0%	0%	1%	2%	11%	11%	23%	3%
1935	Below Normal	3%	0%	0%	0%	0%	0%	0%	0%	3%	3%	-1%	-6%
1936	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	-2%	-10%
1937	Below Normal	-2%	0%	0%	0%	0%	0%	0%	1%	3%	3%	-11%	0%
1938	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%
1943	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	-1%	-11%	-11%	2%	-1%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%
1954	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1968	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	1%	2%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-5%	-3%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-4%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-9%	5%	1%
1981	Dry	8%	0%	0%	0%	0%	0%	0%	3%	3%	3%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
1996	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	-11%	-11%	2%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2000	Above Normal	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,066	2,971	3,107	3,306	3,437	3,563	4,010	3,739	3,363	2,917	2,586	2,547
1924	Critical	2,464	2,357	2,307	2,509	2,719	2,704	2,466	2,155	1,733	1,294	987	834
1925	Dry	813	975	1,089	1,422	2,605	2,984	3,692	3,832	3,592	3,130	2,768	2,690
1926	Dry	2,582	2,561	2,593	2,632	3,380	3,581	3,907	3,780	3,297	2,684	2,304	2,199
1927	Wet	2,127	2,583	3,023	3,473	3,462	4,090	4,552	4,552	4,233	3,759	3,378	2,861
1928	Above Normal	2,778	2,869	2,979	3,204	3,707	3,965	4,552	4,505	4,003	3,311	2,939	2,591
1929	Critical	2,471	2,372	2,434	2,698	2,886	3,060	3,096	3,001	2,712	2,278	1,819	1,733
1930	Dry	1,616	1,545	2,088	2,285	2,686	3,181	3,284	3,230	2,862	2,417	2,147	2,091
1931	Critical	2,001	1,966	1,951	2,033	2,121	2,294	1,981	1,701	1,347	877	638	602
1932	Dry	581	584	762	902	1,038	1,518	1,628	1,812	1,608	1,370	1,127	1,027
1933	Critical	936	907	896	905	942	1,540	1,683	1,760	1,593	1,327	860	658
1934	Critical	632	616	735	1,025	1,345	1,604	1,576	1,443	1,122	650	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,971	1,795
1936	Below Normal	1,706	1,646	1,640	2,297	3,188	3,490	3,702	3,631	3,381	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,656	3,461	3,060	2,718	2,635
1938	Wet	2,588	3,118	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,222
1939	Dry	3,203	3,111	3,225	3,347	3,409	3,826	3,653	3,470	3,128	2,576	2,176	2,137
1940	Above Normal	2,093	2,004	2,143	3,038	3,252	3,435	4,162	4,165	3,773	3,173	2,792	2,702
1941	Wet	2,614	2,589	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,129	2,881	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,108	3,541	3,848	4,118	4,552	4,552	4,273	3,729	3,379	2,870
1944	Dry	2,801	2,537	2,542	2,581	2,895	3,277	3,272	3,260	3,085	2,683	2,422	2,412
1945	Below Normal	2,344	2,483	2,779	2,980	3,680	3,922	4,053	4,161	3,915	3,430	3,074	2,934
1946	Below Normal	2,876	3,138	3,265	3,622	3,805	4,124	4,282	4,251	3,880	3,396	3,063	2,992
1947	Dry	2,879	2,926	3,006	3,005	3,271	3,796	3,880	3,578	3,380	2,813	2,465	2,354
1948	Below Normal	2,400	2,406	2,399	2,965	3,054	3,390	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,390	3,093	3,073
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,222	2,967	3,345	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,058	3,215	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,978	3,249	3,435	3,586	3,754	3,964	4,103	3,817	3,240	2,908	2,878
1956	Wet	2,821	2,911	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,908	2,956	3,648	3,777	4,221	4,229	4,081	3,615	3,073	2,711	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,254	4,333	4,470	4,038	3,427	3,143	3,040
1961	Dry	2,956	3,065	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,814	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,095
1964	Dry	3,089	3,252	3,289	3,669	3,898	4,048	3,841	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,546	4,208	3,722	3,453	2,985
1966	Below Normal	2,903	2,972	3,093	3,577	3,989	4,229	4,552	4,436	3,897	3,268	2,884	2,884
1967	Wet	2,749	3,075	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,343
1968	Below Normal	3,250	3,098	3,189	3,366	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,949	3,603	3,200
1970	Wet	3,240	3,185	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,183
1974	Wet	3,212	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,902	3,021	3,122	3,771	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,022	3,101	3,362	3,417	3,649	3,701	3,581	3,200	2,713	2,419	2,819
1977	Critical	2,670	2,597	2,548	2,524	2,389	2,355	1,955	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,043	3,014	3,093	3,445	3,951	4,214	4,377	3,949	3,505	3,299	3,245
1980	Above Normal	3,250	3,252	3,354	3,528	3,292	3,940	4,229	4,219	3,871	3,434	3,094	3,102
1981	Dry	3,026	2,767	2,890	3,162	3,569	4,172	4,385	4,178	3,523	2,914	2,653	2,584
1982	Wet	2,623	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,816
1987	Dry	2,814	2,687	2,674	2,796	3,137	3,872	3,800	3,529	2,981	2,456	2,189	2,143
1988	Critical	1,980	1,952	2,451	2,857	2,915	3,058	3,052	3,035	2,619	2,068	1,647	1,605
1989	Dry	1,468	1,673	1,759	1,938	2,044	3,425	3,878	3,650	3,309	2,724	2,446	2,488
1990	Critical	2,592	2,599	2,566	2,811	2,908	3,173	2,989	3,161	2,991	2,430	2,054	2,062
1991	Critical	1,978	1,937	1,921	1,820	1,850	2,270	2,432	2,388	2,103	1,755	1,568	1,516
1992	Critical	1,399	1,256	1,253	1,287	1,935	2,379	2,626	2,284	1,684	1,068	581	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,028	3,100	3,235	3,460	3,637	3,420	2,270	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,604	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	3,011	3,368	3,723	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,114	3,005	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,897	2,712	2,293
1998	Wet	2,176	2,100	2,283	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,959	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,194	2,860	2,944	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,948	3,072	3,501	3,995	4,097	3,886	3,323	2,831	2,666	2,647
2002	Dry	2,492	2,667	3,314	3,678	4,022	4,411	4,468	4,296	3,823	3,357	3,101	3,022
2003	Above Normal	2,880	2,826	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,637	3,355	3,200

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Alternative 3 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,110
1923	Below Normal	3,056	2,919	3,054	3,254	3,396	3,522	3,969	3,731	3,388	2,945	2,640	2,631
1924	Critical	2,579	2,503	2,484	2,614	2,824	2,809	2,542	2,230	1,796	1,342	1,019	899
1925	Dry	878	1,039	1,154	1,487	2,669	3,049	3,756	3,896	3,655	3,195	2,632	2,741
1926	Dry	2,632	2,610	2,643	2,682	3,430	3,630	3,956	3,796	3,329	2,715	2,382	2,304
1927	Wet	2,233	2,688	3,128	3,568	3,462	4,090	4,552	4,552	4,233	3,759	3,376	2,860
1928	Above Normal	2,777	2,868	2,978	3,203	3,706	3,965	4,552	4,504	4,001	3,322	2,947	2,596
1929	Critical	2,507	2,406	2,469	2,733	2,921	3,094	3,130	3,035	2,745	2,311	1,826	1,738
1930	Dry	1,622	1,552	2,095	2,292	2,693	3,187	3,290	3,237	2,869	2,422	2,150	2,094
1931	Critical	2,004	1,969	1,954	2,036	2,124	2,298	1,984	1,704	1,350	882	641	605
1932	Dry	583	586	764	904	1,040	1,521	1,631	1,815	1,612	1,373	1,130	1,028
1933	Critical	938	909	898	907	944	1,541	1,681	1,774	1,624	1,374	855	665
1934	Critical	601	584	713	1,004	1,323	1,583	1,554	1,400	1,079	716	552	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,711	2,290	1,904	1,798
1936	Below Normal	1,709	1,649	1,643	2,300	3,191	3,492	3,705	3,633	3,383	2,837	2,463	2,367
1937	Below Normal	2,203	2,076	2,035	2,011	2,090	2,737	3,438	3,689	3,493	3,094	2,752	2,669
1938	Wet	2,622	3,152	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,230
1939	Dry	3,214	3,083	3,208	3,331	3,392	3,809	3,639	3,457	3,121	2,569	2,186	2,140
1940	Above Normal	2,079	1,989	2,128	3,023	3,252	3,435	4,162	4,165	3,773	3,172	2,150	2,674
1941	Wet	2,585	2,558	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,130	2,882	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,109	3,541	3,848	4,118	4,552	4,552	4,274	3,731	3,381	2,872
1944	Dry	2,804	2,509	2,514	2,553	2,867	3,257	3,252	3,241	3,067	2,669	2,412	2,402
1945	Below Normal	2,335	2,474	2,770	2,970	3,670	3,912	4,073	4,215	4,001	3,517	3,192	3,080
1946	Below Normal	3,049	3,252	3,265	3,622	3,805	4,124	4,283	4,253	3,882	3,399	3,067	2,996
1947	Dry	2,883	2,930	3,010	3,009	3,275	3,799	3,883	3,582	3,383	2,815	2,467	2,354
1948	Below Normal	2,400	2,405	2,398	2,965	3,053	3,389	4,357	4,552	4,500	3,994	3,626	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,135	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,762	4,104	4,098	3,795	3,387	3,091	3,071
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,221	2,894	3,338	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,192
1954	Above Normal	3,200	3,064	3,222	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,977	3,248	3,434	3,585	3,753	3,963	4,102	3,816	3,240	2,909	2,882
1956	Wet	2,824	2,915	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,646	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,903	2,952	3,648	3,777	4,221	4,229	4,081	3,615	3,072	2,710	2,844
1960	Dry	2,726	2,683	2,666	2,882	3,588	4,253	4,333	4,470	4,037	3,426	3,143	3,039
1961	Dry	2,956	3,064	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,815	3,100	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,097
1964	Dry	3,090	3,252	3,290	3,670	3,899	4,049	3,842	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,547	4,210	3,725	3,457	2,989
1966	Below Normal	2,906	2,984	3,105	3,588	4,000	4,229	4,552	4,436	3,896	3,267	2,961	2,886
1967	Wet	2,752	3,079	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,336
1968	Below Normal	3,250	2,989	3,081	3,258	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,957
1969	Wet	2,948	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,947	3,602	3,200
1970	Wet	3,243	3,188	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,276	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,121	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,132
1974	Wet	3,200	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,908	3,028	3,129	3,778	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,021	3,100	3,360	3,415	3,647	3,699	3,580	3,200	2,709	2,717	2,817
1977	Critical	2,670	2,596	2,548	2,523	2,388	2,354	1,954	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	2,976	2,953	3,042	3,388	3,894	4,157	4,332	3,907	3,476	3,273	3,204
1980	Above Normal	3,227	3,252	3,354	3,528	3,292	3,940	4,223	4,213	3,866	3,430	3,124	3,049
1981	Dry	2,968	2,810	2,933	3,205	3,612	4,215	4,428	4,220	3,566	2,946	2,676	2,611
1982	Wet	2,651	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,494	4,194	3,601	3,368	2,956
1985	Dry	3,033	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,461	2,406	2,541	3,072	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,820
1987	Dry	2,818	2,667	2,654	2,776	3,116	3,852	3,780	3,510	2,982	2,456	2,186	2,138
1988	Critical	1,971	1,943	2,443	2,848	2,910	3,053	3,045	3,028	2,612	2,064	1,644	1,602
1989	Dry	1,464	1,670	1,756	1,933	2,040	3,420	3,874	3,645	3,305	2,720	2,442	2,485
1990	Critical	2,588	2,596	2,562	2,808	2,905	3,170	2,986	3,157	2,987	2,426	2,050	2,058
1991	Critical	1,974	1,932	1,917	1,816	1,845	2,265	2,427	2,383	2,099	1,754	1,567	1,516
1992	Critical	1,398	1,254	1,251	1,286	1,934	2,378	2,625	2,282	1,681	1,066	579	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,029	3,101	3,236	3,461	3,638	3,421	3,271	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,603	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	2,942	3,307	3,673	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,113	3,002	3,252	3,252	3,737	3,956	4,008	3,776	3,429	2,913	2,729	2,301
1998	Wet	2,173	2,139	2,331	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,950	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,190	2,858	2,941	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,945	3,070	3,498	3,993	4,095	3,884	3,321	2,828	2,666	2,647
2002	Dry	2,492	2,667	3,315	3,678	4,022	4,411	4,467	4,296	3,823	3,357	3,100	3,022
2003	Above Normal	2,874	2,821	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,638	3,356	3,200

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219
1923	Below Normal	4,756	6,356	3,282	3,048	3,175	3,427	2,992	10,586	10,637	10,737	8,530	3,960
1924	Critical	4,977	5,343	4,683	689	2,922	4,076	7,613	8,005	9,846	9,844	7,730	5,402
1925	Dry	3,875	2,869	2,826	0	1,633	2,821	2,539	5,327	8,881	10,566	8,966	4,781
1926	Dry	5,257	4,148	3,485	3,184	1,710	3,073	2,965	6,172	10,988	12,491	8,638	4,329
1927	Wet	4,215	2,802	3,514	3,721	24,504	3,396	9,170	8,633	10,800	11,234	9,214	11,809
1928	Above Normal	4,571	5,897	3,647	3,772	2,128	11,349	3,051	6,809	12,239	14,437	8,915	8,804
1929	Critical	5,067	5,597	3,134	0	3,115	3,212	6,087	6,541	8,466	9,797	10,080	4,127
1930	Dry	4,734	4,110	2,457	3,067	2,581	2,869	5,170	5,860	9,519	10,015	7,003	3,762
1931	Critical	4,346	3,690	3,334	3,023	3,069	3,017	9,117	7,536	8,659	10,060	6,288	3,107
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	5,272	4,366	7,218	6,602	6,439	4,139
1933	Critical	4,020	3,466	3,238	3,373	3,251	3,253	5,624	5,513	7,263	7,114	10,081	5,936
1934	Critical	3,122	3,103	3,287	2,964	2,958	3,095	5,797	6,097	8,366	10,175	3,584	2,828
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,024	9,504	9,886	8,940	4,423
1936	Below Normal	4,284	3,942	3,481	2,091	2,661	4,046	4,637	6,433	8,815	11,758	8,535	4,701
1937	Below Normal	5,177	4,812	3,484	3,251	3,252	3,252	2,779	4,602	8,389	9,519	8,054	3,842
1938	Wet	3,627	2,922	14,555	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	11,002
1939	Dry	4,542	6,108	3,933	3,434	4,345	3,137	8,541	6,990	8,903	11,789	9,197	3,530
1940	Above Normal	3,757	4,667	3,321	2,176	25,264	19,297	3,432	6,580	10,854	13,086	9,241	4,637
1941	Wet	4,926	4,489	6,405	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145
1942	Wet	5,354	8,604	10,067	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,148
1943	Wet	5,240	9,514	2,984	7,665	7,464	11,264	5,051	7,691	10,330	12,727	9,152	12,023
1944	Dry	4,739	8,615	3,899	3,964	2,773	2,093	6,764	5,775	7,591	10,025	7,336	3,116
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	6,104	9,545	11,213	8,827	5,409	5,008
1946	Below Normal	5,283	3,574	19,377	6,831	4,260	4,420	7,129	7,820	10,740	11,539	8,799	4,369
1947	Dry	5,181	4,100	3,632	3,770	3,029	2,971	5,885	9,045	9,334	12,517	8,632	4,788
1948	Below Normal	3,864	3,854	3,924	2,798	3,148	3,066	2,602	9,646	9,094	11,893	8,970	7,014
1949	Dry	6,416	4,476	4,001	3,862	3,069	7,104	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	4,785	4,439	9,360	7,495	3,077
1951	Above Normal	6,363	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,245	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,565	8,314	4,042	26,911	3,195	2,409	4,978	9,929	9,575	11,208	9,576	12,086
1954	Above Normal	3,738	8,900	3,058	9,956	16,981	8,256	9,789	7,431	10,282	13,531	9,432	7,790
1955	Dry	4,998	5,744	3,658	2,466	3,126	3,255	5,983	5,724	8,995	12,585	8,125	3,731
1956	Wet	4,126	3,355	24,919	28,406	20,332	3,269	3,201	10,773	9,560	9,323	8,904	10,724
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,076	3,841	4,172	12,726	2,537	8,218	8,132	11,972	12,221	9,037	1,924
1960	Dry	5,509	4,432	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,895
1961	Dry	4,907	3,803	5,400	3,071	9,119	5,610	5,954	7,039	10,725	13,544	9,822	4,655
1962	Below Normal	5,632	5,538	3,797	3,955	13,507	3,832	6,320	7,690	10,264	11,758	8,304	3,755
1963	Wet	6,733	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,935	8,508	9,149
1964	Dry	4,116	5,374	4,219	3,451	2,140	3,227	9,436	7,558	9,327	10,226	7,871	3,950
1965	Wet	4,029	3,742	16,133	19,879	4,223	4,503	6,116	6,884	10,129	11,676	7,701	11,253
1966	Below Normal	4,882	7,156	3,599	3,815	3,397	10,474	6,253	8,028	13,103	13,585	8,030	4,514
1967	Wet	5,542	3,606	10,304	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,624
1968	Below Normal	5,675	6,708	3,631	3,796	12,939	2,447	6,842	7,268	10,856	12,764	6,629	3,763
1969	Wet	4,143	3,416	4,039	22,168	19,852	5,140	11,360	10,987	10,021	10,436	9,076	10,785
1970	Wet	3,629	5,265	13,043	48,536	12,335	3,481	6,824	7,285	10,107	12,863	8,020	9,932
1971	Wet	6,429	4,568	5,248	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,344	8,210	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,148
1973	Above Normal	4,836	5,090	6,670	13,394	17,113	5,950	4,051	6,302	11,608	13,216	7,050	4,455
1974	Wet	4,455	25,743	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325
1975	Wet	6,616	10,849	3,835	3,872	3,572	22,950	3,882	9,184	10,621	8,993	9,637	9,999
1976	Critical	6,957	8,735	3,461	298	5,299	3,257	5,594	6,646	9,823	11,083	3,665	1,907
1977	Critical	6,119	4,999	4,520	4,144	6,375	4,483	9,943	5,707	12,989	11,929	5,024	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,713	8,589	4,498
1979	Below Normal	6,505	6,484	4,050	4,361	2,869	2,765	3,254	5,354	10,609	10,205	6,196	3,886
1980	Above Normal	4,201	5,546	3,917	17,330	28,377	3,796	4,501	6,840	10,119	10,538	8,533	3,377
1981	Dry	4,572	7,978	3,679	3,337	2,578	2,604	3,643	8,217	14,298	12,563	6,685	3,966
1982	Wet	3,019	7,081	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,677	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,699	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,116	9,739	7,538	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,440	18,882	2,088	7,941	11,492	10,364	8,637	3,580
1987	Dry	3,951	5,978	4,304	3,330	2,838	2,615	7,249	8,787	12,303	11,899	6,907	3,992
1988	Critical	5,917	4,250	2,837	3,147	5,313	3,369	5,326	5,870	11,090	11,560	9,559	3,792
1989	Dry	5,284	2,764	3,384	1,996	3,199	1,903	3,255	8,952	9,075	12,139	7,256	2,636
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,986	8,417	12,190	9,053	2,875
1991	Critical	4,435	3,980	3,251	4,930	3,252	2,971	3,254	6,188	8,050	8,412	5,648	3,554
1992	Critical	4,868	5,344	3,251	3,251	1,955	2,257	3,311	9,861	13,252	12,967	10,414	1,732
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,593	7,352	8,425
1994	Critical	6,194	6,689	3,971	3,051	2,909	3,189	8,070	6,776	10,750	11,966	10,172	2,995
1995	Wet	4,598	4,470	3,225	7,863	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	7,648	2,285	3,226	32,058	8,782	4,171	10,888	9,350	10,361	7,957	10,590
1997	Wet	6,831	8,472	24,150	32,560	4,019	4,479	6,578	9,159	10,133	12,229	6,653	10,921
1998	Wet	6,126	8,518	4,023	8,604	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,460	8,159	10,877
2000	Above Normal	5,277	11,064	3,940	2,621	32,514	6,438	2,878	7,748	11,146	13,556	8,685	6,574
2001	Dry	5,664	8,600	4,125	3,439	2,262	2,292	5,271	8,920	13,488	11,777	6,072	3,449
2002	Dry	5,660	3,485	2,972	8,218	2,981	3,083	6,707	8,266	11,296	10,626	7,285	4,192
2003	Above Normal	5,232	4,663	10,159	13,692	2,901	2,936	9,735	12,870	10,070	13,738	7,542	5,853

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,233
1923	Below Normal	4,916	7,059	3,282	3,048	2,972	3,427	2,992	10,058	10,076	10,696	8,107	3,440
1924	Critical	4,458	4,832	4,175	1,851	2,922	4,085	8,075	8,024	10,045	10,080	7,987	4,848
1925	Dry	3,876	2,869	2,826	0	1,633	2,821	2,539	5,334	8,894	10,524	8,976	5,014
1926	Dry	5,261	4,148	3,485	3,184	1,710	3,073	2,965	6,705	10,723	12,500	7,868	3,886
1927	Wet	4,205	2,802	3,514	3,871	26,224	3,396	9,170	8,633	10,797	11,233	9,255	11,786
1928	Above Normal	4,570	5,899	3,647	3,772	2,128	11,333	3,051	6,830	12,253	14,228	8,961	8,846
1929	Critical	4,573	5,619	3,134	0	3,115	3,212	6,086	6,547	8,473	9,802	10,505	4,154
1930	Dry	4,718	4,096	2,457	3,067	2,581	2,869	5,169	5,860	9,518	10,033	7,045	3,762
1931	Critical	4,346	3,688	3,333	3,023	3,069	3,017	9,117	7,536	8,659	10,027	6,327	3,106
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	4,358	7,209	6,613	6,436	4,172	
1933	Critical	4,011	3,463	3,238	3,373	3,251	3,268	5,671	5,257	6,979	6,835	10,930	5,740
1934	Critical	3,750	3,108	3,124	2,964	2,958	3,095	5,790	6,462	8,358	8,397	5,037	2,441
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,017	9,493	9,871	8,930	4,422
1936	Below Normal	4,284	3,941	3,481	2,091	2,661	4,046	4,638	6,434	8,816	11,800	8,538	4,084
1937	Below Normal	5,210	4,831	3,484	3,251	3,252	2,779	4,608	8,395	9,481	8,057	3,844	
1938	Wet	3,627	2,922	15,101	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	10,869
1939	Dry	4,495	6,757	3,754	3,434	4,344	3,137	8,496	6,967	8,813	11,789	8,921	3,629
1940	Above Normal	4,051	4,680	3,321	2,176	25,005	19,297	3,432	6,584	10,861	13,086	9,247	5,084
1941	Wet	4,953	4,515	5,907	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145
1942	Wet	5,327	8,628	10,071	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,147
1943	Wet	5,241	9,501	2,984	7,677	7,464	11,264	5,051	7,691	10,323	12,704	9,145	12,019
1944	Dry	4,738	9,127	3,899	3,964	2,773	1,965	6,758	5,768	7,572	9,960	7,274	3,108
1945	Below Normal	4,562	4,123	3,107	3,289	3,508	4,288	5,005	5,557	9,000	11,182	8,323	4,936
1946	Below Normal	4,830	4,578	21,222	6,831	4,260	4,420	7,114	7,808	10,727	11,531	8,788	4,364
1947	Dry	5,180	4,100	3,632	3,770	3,029	2,971	5,888	9,049	9,349	12,519	8,638	4,823
1948	Below Normal	3,867	3,854	3,924	2,798	3,147	3,066	2,602	9,641	9,094	11,899	8,970	7,007
1949	Dry	6,412	4,476	4,001	3,862	3,069	7,109	5,196	6,740	10,600	10,932	8,220	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	8,785	9,394	7,496	8,296	3,077
1951	Above Normal	6,324	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,244	6,699	9,969	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,588	9,511	2,980	26,794	3,195	2,409	4,978	9,930	9,575	11,209	9,575	12,086
1954	Above Normal	3,738	8,785	3,058	10,067	16,981	8,256	9,789	7,431	10,282	13,531	9,433	7,790
1955	Dry	4,989	5,771	3,658	2,461	3,126	3,255	5,983	5,723	8,994	12,583	8,264	3,678
1956	Wet	4,123	3,355	24,977	28,406	20,332	3,269	3,201	10,773	9,559	9,323	8,905	10,724
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,488	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,150	3,841	4,101	12,726	2,537	8,216	8,135	11,973	12,221	9,041	1,925
1960	Dry	5,503	4,434	4,207	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,897
1961	Dry	4,906	3,803	5,395	3,071	9,119	5,610	5,954	7,039	10,724	13,544	9,822	4,654
1962	Below Normal	5,632	5,538	3,797	3,954	13,510	3,832	6,320	7,689	10,264	11,758	8,303	3,754
1963	Wet	6,735	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,936	8,508	9,115
1964	Dry	4,133	5,390	4,204	3,456	2,140	3,227	9,437	7,559	9,328	10,227	7,873	3,951
1965	Wet	4,029	3,742	16,135	19,879	4,223	4,503	6,116	6,868	10,109	11,663	7,687	11,247
1966	Below Normal	4,895	7,013	3,599	3,815	3,397	10,666	6,253	8,036	13,112	13,585	8,036	4,457
1967	Wet	5,520	3,606	10,358	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,745
1968	Below Normal	5,559	8,530	3,631	3,796	11,058	2,447	6,847	7,269	10,856	12,764	6,629	3,763
1969	Wet	4,142	3,416	4,039	22,163	19,852	5,140	11,360	10,987	10,021	10,457	9,077	10,762
1970	Wet	3,573	5,278	13,087	48,536	12,335	3,481	6,824	7,286	10,115	12,860	8,020	9,932
1971	Wet	6,461	4,518	5,261	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,348	8,204	3,637	3,420	3,526	8,544	7,445	6,880	12,091	13,454	7,845	3,149
1973	Above Normal	4,834	5,090	6,670	13,394	17,113	5,950	6,302	11,608	13,215	7,050	5,324	
1974	Wet	3,816	25,537	18,915	34,416	4,622	33,288	5,235	6,237	9,745	8,351	11,429	9,325
1975	Wet	6,616	10,740	3,835	3,872	3,572	23,055	3,882	9,184	10,621	8,993	9,836	9,999
1976	Critical	6,956	8,761	3,461	298	5,300	3,257	5,594	6,646	9,797	11,147	3,633	1,907
1977	Critical	6,084	5,010	4,516	4,148	6,376	4,483	9,944	5,708	12,985	11,927	5,020	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,714	8,589	4,499
1979	Below Normal	6,504	7,598	3,967	4,211	2,969	2,765	3,254	5,166	10,560	9,993	6,146	4,152
1980	Above Normal	3,896	5,163	3,917	17,330	28,377	3,796	4,606	6,831	10,106	10,523	7,980	4,769
1981	Dry	4,670	6,267	3,679	3,337	2,578	2,604	3,647	8,219	14,298	12,721	6,831	3,896
1982	Wet	3,019	7,539	21,138	6,380	22,607	10,942	24,091	4,088	8,148	8,945	9,677	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,700	13,410	7,444	10,695
1985	Dry	3,074	6,113	5,392	2,718	3,119	3,252	6,020	8,976	11,115	9,740	7,539	4,045
1986	Wet	4,614	5,091	3,860	3,367	40,438	18,882	2,088	7,941	11,492	10,365	8,637	3,507
1987	Dry	3,947	6,391	4,304	3,330	2,838	2,615	7,247	8,775	11,971	11,899	6,960	4,034
1988	Critical	5,979	4,250	2,837	3,147	5,255	3,365	5,360	5,869	11,088	11,515	9,549	3,791
1989	Dry	5,286	2,764	3,384	2,013	3,199	1,903	3,255	8,949	9,074	12,135	7,256	2,632
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,987	8,418	12,192	9,056	2,876
1991	Critical	4,438	3,984	3,251	4,935	3,252	2,971	3,254	6,188	8,050	8,351	5,648	3,554
1992	Critical	4,870	5,350	3,251	3,251	1,955	2,257	3,311	9,870	13,262	12,958	10,415	1,696
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,591	7,354	8,424
1994	Critical	6,194	6,673	3,971	3,051	2,909	3,188	8,071	6,786	10,762	11,963	10,171	2,995
1995	Wet	4,598	4,470	3,225	7,859	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	8,810	2,141	3,050	31,201	8,782	4,171	10,888	9,351	10,360	7,957	10,589
1997	Wet	6,839	8,510	24,106	32,560	4,019	4,479	6,574	9,153	10,127	11,984	6,637	11,082
1998	Wet	6,301	7,803	3,873	9,391	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,461	8,160	10,877
2000	Above Normal	5,343	11,030	3,950	2,576	32,514	6,438	2,878	7,748	11,147	13,556	6,685	6,574
2001	Dry	5,660	8,600	4,167	3,439	2,262	2,292	5,272	8,918	13,490	11,777	6,024	3,449
2002	Dry	5,661	3,485	2,972	8,227	2,981	3,083	6,708	8,267	11,297	10,626	7,286	4,193
2003	Above Normal	5,317	4,669	10,063	13,692	2,901	2,936	9,735	12,870	10,070	13,732	7,542	5,858

Change in Simulated Shasta Reservoir Release to Sacramento River (Node C4)
 Alternative 3 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	14
1923	Below Normal	159	703	0	0	-204	0	0	-528	-561	-41	-423	-520
1924	Critical	-519	-511	-508	1,162	0	9	462	19	200	237	257	-554
1925	Dry	1	0	0	0	0	0	0	7	13	-42	10	233
1926	Dry	3	0	0	0	0	0	0	534	-265	8	-770	-443
1927	Wet	-11	0	0	150	1,720	0	0	0	-2	-1	42	-23
1928	Above Normal	-1	1	0	0	0	-16	0	21	14	-209	46	42
1929	Critical	-494	23	0	0	0	0	-1	6	7	4	425	27
1930	Dry	-16	-14	0	0	0	0	0	0	-1	18	43	-1
1931	Critical	0	-1	-1	0	0	0	0	0	0	-33	40	0
1932	Dry	0	-1	0	0	0	0	-1	-7	-9	12	-3	33
1933	Critical	-9	-4	0	0	0	16	47	-256	-284	-279	849	-196
1934	Critical	627	5	-163	0	0	0	-7	365	-8	-1,777	1,453	-388
1935	Below Normal	0	0	0	0	0	0	0	-7	-11	-15	-10	-1
1936	Below Normal	0	-2	0	0	0	0	0	1	1	42	3	-618
1937	Below Normal	33	18	0	0	0	0	0	5	6	-38	3	2
1938	Wet	0	0	547	0	0	0	0	0	0	0	0	-133
1939	Dry	-47	649	-179	0	-1	0	-44	-23	-91	0	-275	99
1940	Above Normal	295	13	0	0	-259	0	0	4	7	0	5	447
1941	Wet	27	26	-498	0	0	0	0	0	0	0	0	0
1942	Wet	-27	24	4	0	0	0	0	0	0	0	0	-1
1943	Wet	1	-13	0	13	0	0	0	0	-7	-23	-7	-4
1944	Dry	-1	513	0	0	0	-127	-6	-7	-19	-65	-62	-8
1945	Below Normal	0	0	0	0	0	0	-503	-547	-545	-31	-504	-473
1946	Below Normal	-453	1,004	1,845	0	0	0	-15	-12	-13	-8	-10	-5
1947	Dry	-2	0	0	0	0	0	3	4	15	2	6	35
1948	Below Normal	4	0	0	0	0	0	0	-5	0	6	1	-7
1949	Dry	-4	0	0	0	0	4	1	1	1	1	1	1
1950	Below Normal	0	0	0	0	0	0	0	0	-1	35	2	-1
1951	Above Normal	-40	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	-1	0	0	0	0	0	0	0	0	0	0
1953	Wet	24	1,196	-1,062	-118	0	0	0	0	0	1	-1	0
1954	Above Normal	0	-115	0	111	0	0	0	0	0	0	1	0
1955	Dry	-9	27	0	-6	0	0	0	-1	-2	-3	-11	-53
1956	Wet	-3	0	58	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	-1	0	0	1	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	74	0	-71	0	0	-2	4	1	0	5	1
1960	Dry	-5	2	0	0	0	0	-1	0	0	-1	0	2
1961	Dry	-1	0	-6	0	0	0	0	0	-1	0	0	-1
1962	Below Normal	0	0	0	-1	3	0	0	0	0	0	0	0
1963	Wet	2	0	0	0	0	0	0	0	0	0	0	-34
1964	Dry	17	16	-15	5	-1	0	2	2	2	2	2	1
1965	Wet	0	0	1	0	0	0	0	-16	-20	-14	-14	-6
1966	Below Normal	14	-143	0	0	0	192	0	8	9	0	6	-57
1967	Wet	-22	0	54	0	0	0	0	0	0	0	0	121
1968	Below Normal	-117	1,822	0	0	-1,881	0	5	1	1	0	0	0
1969	Wet	-2	0	0	-5	0	0	0	0	0	21	1	-22
1970	Wet	-57	13	44	0	0	0	0	0	8	-3	0	0
1971	Wet	31	-51	13	0	0	0	0	0	0	0	1	0
1972	Below Normal	4	-6	0	0	0	3	0	0	0	0	0	1
1973	Above Normal	-2	0	0	0	0	0	0	0	0	-1	0	869
1974	Wet	-638	-206	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	-108	0	0	0	104	0	0	0	0	0	1
1976	Critical	-1	26	0	0	1	0	0	-1	-26	64	-32	1
1977	Critical	-35	11	-4	4	1	0	1	0	-4	-2	-4	0
1978	Above Normal	0	0	0	0	0	0	0	0	0	1	0	1
1979	Below Normal	-1	1,113	-83	-150	100	0	0	-188	-50	-213	-50	265
1980	Above Normal	-305	-383	0	0	0	0	105	-9	-13	-16	-553	1,392
1981	Dry	98	-1,711	0	0	0	0	4	2	0	158	145	-70
1982	Wet	0	459	0	0	0	0	0	0	0	0	-1	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-2	0	0	0	0	1	0	-1	0	1	0
1986	Wet	0	0	0	0	-3	0	0	0	0	0	0	-73
1987	Dry	-4	413	0	0	0	0	-2	-11	-332	0	52	41
1988	Critical	62	0	0	0	-59	-4	34	-1	-2	-46	-9	-1
1989	Dry	2	0	0	16	0	0	0	-4	-1	-4	0	-4
1990	Critical	0	0	0	0	0	0	1	1	1	2	4	1
1991	Critical	3	4	0	5	0	0	0	0	0	-61	0	0
1992	Critical	2	6	0	0	0	0	1	9	10	-9	1	-36
1993	Above Normal	0	0	0	0	0	0	0	0	0	-2	2	0
1994	Critical	0	-16	0	0	0	-1	1	10	12	-3	0	0
1995	Wet	0	0	0	-4	0	0	0	0	0	0	0	0
1996	Wet	0	1,162	-144	-176	-857	0	0	0	1	-1	0	-1
1997	Wet	8	39	-44	0	0	0	-4	-6	-7	-245	-17	160
1998	Wet	175	-715	-150	786	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	66	-34	10	-45	0	0	0	0	1	0	-1	1
2001	Dry	-4	0	42	0	0	0	1	-2	2	0	-47	0
2002	Dry	0	0	0	9	0	0	1	1	1	1	1	1
2003	Above Normal	85	6	-96	0	0	0	0	0	1	-6	1	5

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,619	2,820	3,178	3,315	3,289	2,731	2,250	2,101
1924	Critical	1,988	1,881	1,808	1,861	2,041	2,035	2,001	1,883	1,720	1,240	1,153	1,132
1925	Dry	1,139	1,184	1,245	1,342	1,957	2,225	2,522	2,664	2,485	1,917	1,639	1,341
1926	Dry	1,248	1,251	1,252	1,360	1,860	2,108	2,733	2,647	3,329	1,702	1,370	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,512	1,913
1928	Above Normal	1,720	1,827	1,800	1,974	2,085	2,797	3,233	3,361	3,081	2,456	1,950	1,459
1929	Critical	1,248	1,238	1,231	1,253	1,356	1,485	1,465	1,406	1,289	1,172	1,079	1,051
1930	Dry	1,023	1,015	1,477	1,757	1,913	2,375	2,718	2,866	2,631	2,030	1,753	1,461
1931	Critical	1,390	1,403	1,429	1,562	1,687	1,890	1,789	1,733	1,602	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,384	1,655	1,922	2,260	2,316	1,780	1,446	1,377
1933	Critical	1,276	1,251	1,253	1,336	1,424	1,390	1,459	1,517	1,453	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,292	1,379	1,643	1,634	1,517	1,341	1,232	1,126	1,103
1935	Below Normal	1,071	1,120	1,184	1,376	1,569	1,840	2,855	3,339	3,343	2,747	2,244	1,918
1936	Below Normal	1,816	1,756	1,746	2,258	2,788	2,954	3,353	3,538	3,538	2,964	2,473	2,351
1937	Below Normal	2,115	2,011	1,761	1,803	1,973	2,324	2,707	3,048	2,750	2,178	1,806	1,707
1938	Wet	1,511	1,688	2,584	2,864	2,788	2,788	3,277	3,538	3,538	3,411	3,198	2,771
1939	Dry	2,687	2,711	2,733	2,830	2,916	3,108	3,057	2,924	2,723	2,108	1,682	1,275
1940	Above Normal	1,248	1,230	1,252	1,718	2,707	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,598	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,544
1943	Wet	2,423	2,535	2,848	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,513	1,945
1944	Dry	1,818	1,801	1,567	1,641	1,779	1,998	2,124	2,351	2,176	1,587	1,241	1,178
1945	Below Normal	1,129	1,204	1,333	1,494	2,097	2,389	2,632	2,893	2,898	2,337	1,899	1,735
1946	Below Normal	1,585	1,636	2,283	2,685	2,888	3,063	3,387	3,538	3,441	2,870	2,383	2,155
1947	Dry	1,937	1,955	2,045	2,111	2,387	2,715	2,870	2,773	2,603	1,997	1,623	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,019
1949	Dry	1,917	1,900	1,916	1,969	2,050	2,336	2,615	2,793	2,574	1,986	1,656	1,283
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,706	2,243	2,048
1951	Above Normal	2,074	2,643	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,528	3,109
1953	Wet	2,982	3,002	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,036	2,815	2,306
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,626	1,650	1,743	1,872	1,959	2,097	2,167	2,346	2,249	1,688	1,461	1,261
1956	Wet	1,229	1,208	2,706	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,478
1957	Above Normal	2,410	2,444	2,220	2,330	2,730	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,354	2,862
1959	Below Normal	2,733	2,754	2,558	2,884	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,563
1960	Dry	1,417	1,321	1,304	1,430	2,027	2,591	2,774	2,853	2,638	2,052	1,650	1,258
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,981	2,023	2,175	2,303	2,436	2,539	2,644	2,582	2,000	1,738	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,135
1966	Below Normal	2,050	2,165	2,287	2,467	2,557	2,785	3,091	3,124	2,864	2,247	1,755	1,338
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,959
1968	Below Normal	2,849	2,866	2,800	2,922	2,962	3,036	3,181	3,266	3,036	2,398	1,978	1,680
1969	Wet	1,592	1,652	1,874	2,788	2,788	3,027	3,470	3,538	3,538	3,445	3,347	2,941
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,041	1,666
1971	Wet	1,543	1,740	2,119	2,455	2,718	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,243	2,788
1975	Wet	2,669	2,728	2,799	2,875	2,884	2,833	3,277	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,523	2,631	2,582	2,700	2,831	2,990	2,912	2,799	2,608	2,027	1,737	1,425
1977	Critical	1,248	1,246	1,214	1,195	1,179	1,191	1,079	1,020	803	746	746	754
1978	Above Normal	742	766	971	1,839	2,347	2,944	3,218	3,536	3,538	3,001	2,629	2,286
1979	Below Normal	2,147	2,127	1,879	2,082	2,398	2,766	2,991	3,276	3,021	2,466	2,066	1,971
1980	Above Normal	1,961	2,019	2,142	2,813	2,788	3,028	3,294	3,491	3,464	3,124	3,042	2,990
1981	Dry	2,826	2,800	2,816	2,947	3,075	3,024	3,189	3,175	2,872	2,247	1,882	1,503
1982	Wet	1,516	2,447	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,015	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,431	1,972
1987	Dry	1,861	1,888	1,637	1,653	1,813	2,136	2,157	1,967	1,645	1,241	1,087	1,020
1988	Critical	1,061	1,171	1,468	1,717	1,780	1,866	1,901	1,877	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,127	3,030	2,750	2,154	1,750	1,462
1990	Critical	1,495	1,514	1,457	1,598	1,682	1,946	1,921	1,940	1,862	1,272	1,232	1,160
1991	Critical	1,179	1,217	1,235	1,207	1,222	1,567	1,766	1,897	1,719	1,240	1,185	1,165
1992	Critical	1,169	1,186	1,210	1,247	1,466	1,706	1,846	1,688	1,396	1,234	1,093	967
1993	Above Normal	1,018	1,051	1,221	1,762	2,272	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,331
1996	Wet	3,163	3,054	3,122	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,215	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,203	2,622	2,369	1,817
1998	Wet	1,700	1,770	1,968	2,706	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,552
2000	Above Normal	2,414	2,478	2,266	2,523	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,526	1,591	1,690	1,900	1,966	1,895	1,615	1,240	1,131	1,041
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,506	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Alternative 3 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,117	2,861	2,372
1923	Below Normal	2,270	2,270	2,346	2,598	2,601	2,802	3,160	3,297	3,271	2,714	2,234	2,038
1924	Critical	1,849	1,741	1,534	1,586	1,766	1,759	1,725	1,607	1,443	1,241	1,156	1,135
1925	Dry	1,141	1,185	1,246	1,344	1,958	2,226	2,524	2,666	2,467	1,899	1,631	1,333
1926	Dry	1,251	1,266	1,273	1,411	1,911	2,159	2,784	2,700	2,380	1,772	1,362	1,244
1927	Wet	1,240	1,516	1,501	1,802	2,788	2,999	3,396	3,538	3,538	2,984	2,513	1,914
1928	Above Normal	1,720	1,828	1,802	1,976	2,086	2,797	3,233	3,361	3,080	2,455	1,949	1,458
1929	Critical	1,248	1,237	1,230	1,253	1,355	1,485	1,465	1,405	1,288	1,170	1,079	1,051
1930	Dry	1,021	1,014	1,475	1,755	1,911	2,373	2,715	2,864	2,629	2,029	1,750	1,457
1931	Critical	1,360	1,348	1,353	1,486	1,611	1,814	1,713	1,657	1,527	1,240	1,114	1,084
1932	Dry	1,072	1,089	1,039	1,242	1,385	1,656	1,924	2,262	2,317	1,781	1,304	1,244
1933	Critical	1,238	1,225	1,247	1,307	1,392	1,358	1,428	1,486	1,422	1,240	1,155	1,128
1934	Critical	1,111	1,114	1,108	1,293	1,380	1,644	1,635	1,518	1,342	1,233	1,126	1,103
1935	Below Normal	1,055	1,103	1,167	1,359	1,552	1,824	2,838	3,322	3,326	2,729	2,227	1,901
1936	Below Normal	1,761	1,676	1,665	2,177	2,788	2,954	3,353	3,538	3,538	2,963	2,473	2,240
1937	Below Normal	2,004	1,900	1,659	1,700	2,070	2,221	2,604	2,945	2,609	2,033	1,599	1,500
1938	Wet	1,304	1,481	2,377	2,656	2,788	2,788	3,277	3,538	3,538	3,397	3,187	2,694
1939	Dry	2,610	2,634	2,676	2,772	2,858	3,051	3,000	2,871	2,671	2,056	1,633	1,244
1940	Above Normal	1,238	1,221	1,246	1,711	2,700	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,597	1,572	2,084	2,654	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,516
1943	Wet	2,395	2,507	2,820	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,514	1,946
1944	Dry	1,820	1,802	1,567	1,640	1,779	1,997	2,124	2,351	2,175	1,587	1,241	1,170
1945	Below Normal	1,121	1,196	1,325	1,486	2,089	2,381	2,625	2,885	2,891	2,330	1,862	1,663
1946	Below Normal	1,513	1,601	2,248	2,649	2,844	3,063	3,387	3,538	3,431	2,860	2,373	2,148
1947	Dry	1,931	1,949	2,038	2,104	2,380	2,709	2,864	2,766	2,597	1,990	1,619	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,018
1949	Dry	1,917	1,900	1,915	1,968	2,049	2,336	2,614	2,792	2,574	1,986	1,653	1,280
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,708	2,246	2,051
1951	Above Normal	2,076	2,645	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,529	3,088
1953	Wet	2,963	2,983	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,037	2,815	2,366
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,624	1,648	1,741	1,870	1,957	2,095	2,165	2,344	2,247	1,686	1,459	1,271
1956	Wet	1,239	1,218	2,716	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,476
1957	Above Normal	2,409	2,443	2,218	2,328	2,729	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	3,235	3,538	3,538	3,420	3,353	2,861	2,861
1959	Below Normal	2,733	2,754	2,558	2,883	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,564
1960	Dry	1,420	1,327	1,312	1,438	2,035	2,599	2,782	2,861	2,646	2,060	1,655	1,263
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,982	2,024	2,176	2,304	2,437	2,540	2,645	2,583	2,001	1,739	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,136
1966	Below Normal	2,050	2,165	2,287	2,467	2,558	2,785	3,092	3,125	2,864	2,247	1,755	1,340
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,957
1968	Below Normal	2,846	2,863	2,787	2,922	2,962	3,036	3,181	3,266	3,038	2,400	1,980	1,682
1969	Wet	1,611	1,670	1,893	2,788	2,788	3,027	3,470	3,538	3,538	3,446	3,353	2,952
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,040	1,670
1971	Wet	1,547	1,745	2,123	2,459	2,722	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,749	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,244	2,756
1975	Wet	2,637	2,697	2,767	2,844	2,884	2,833	3,276	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,521	2,629	2,580	2,698	2,829	2,988	2,910	2,797	2,606	2,027	1,737	1,426
1977	Critical	1,248	1,247	1,215	1,196	1,180	1,193	1,081	1,022	805	748	748	755
1978	Above Normal	743	768	973	1,840	2,349	2,944	3,218	3,536	3,538	3,001	2,628	2,284
1979	Below Normal	2,147	2,126	1,877	2,080	2,395	2,763	2,989	3,273	3,020	2,465	2,065	1,907
1980	Above Normal	1,821	1,878	2,001	2,813	2,788	3,028	3,295	3,492	3,465	3,204	3,123	2,905
1981	Dry	2,743	2,717	2,740	2,887	3,075	3,024	3,189	3,175	2,872	2,247	1,881	1,506
1982	Wet	1,508	2,439	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,220
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,592	2,014	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,354	1,962
1987	Dry	1,851	1,878	1,627	1,642	1,802	2,125	2,146	1,957	1,634	1,241	1,087	1,020
1988	Critical	1,061	1,172	1,468	1,718	1,780	1,866	1,901	1,878	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,128	3,030	2,750	2,154	1,757	1,468
1990	Critical	1,500	1,519	1,460	1,601	1,685	1,948	1,924	1,943	1,865	1,275	1,235	1,163
1991	Critical	1,182	1,219	1,238	1,209	1,225	1,569	1,768	1,900	1,721	1,240	1,187	1,167
1992	Critical	1,171	1,189	1,212	1,250	1,469	1,709	1,849	1,690	1,398	1,236	1,096	970
1993	Above Normal	1,021	1,054	1,224	1,765	2,275	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,330
1996	Wet	3,163	3,055	3,122	2,788	2,788	2,995	3,252	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,216	2,318	2,788	2,788	2,952	3,123	3,304	3,344	3,212	2,616	2,363	1,809
1998	Wet	1,693	1,763	1,960	2,699	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,560
2000	Above Normal	2,422	2,485	2,273	2,530	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,538	1,604	1,702	1,912	1,979	1,908	1,627	1,240	1,131	1,040
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,511	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,986

Simulated Oroville Reservoir Release to Feather River (Node C6)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,300	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,314	1,614	2,572	3,480	3,737	10,799	9,331	3,801
1924	Critical	2,814	2,535	2,011	1,594	1,595	2,468	3,408	3,997	4,672	9,071	2,824	1,421
1925	Dry	849	842	845	1,416	756	647	2,029	2,863	6,057	10,892	6,215	6,405
1926	Dry	2,495	1,276	1,766	1,202	707	1,445	1,523	5,444	7,648	11,808	6,958	3,396
1927	Wet	1,023	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	10,994	10,138	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,170	2,589	3,546	7,588	12,519	10,017	9,502
1929	Critical	4,304	1,301	1,642	2,062	1,783	1,709	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,948	11,365	6,082	6,157
1931	Critical	2,053	1,092	841	793	798	682	4,853	3,485	4,291	7,166	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	7,041	2,459
1933	Critical	2,535	1,406	1,190	1,081	813	4,623	3,618	4,142	5,055	5,122	2,794	1,530
1934	Critical	1,087	870	2,667	1,397	3,551	765	4,062	4,593	5,040	3,102	3,087	1,400
1935	Below Normal	1,294	839	812	1,400	824	665	1,789	3,432	4,939	11,416	9,796	6,661
1936	Below Normal	2,592	2,071	1,644	1,500	5,741	5,375	2,603	3,318	4,101	10,931	9,540	3,392
1937	Below Normal	4,684	2,648	5,237	1,621	1,523	1,546	2,690	3,624	9,354	10,901	7,691	2,855
1938	Wet	4,142	1,601	1,540	1,522	13,275	19,226	14,276	19,855	11,317	6,286	6,514	9,859
1939	Dry	4,139	2,566	2,878	1,614	1,621	1,596	5,521	5,032	5,581	11,448	8,327	7,943
1940	Above Normal	1,286	1,200	1,187	1,651	1,006	19,615	5,524	3,154	5,599	12,718	10,461	10,011
1941	Wet	3,944	2,495	1,526	1,516	15,064	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,926	5,590	11,502
1943	Wet	4,577	2,422	1,538	16,676	7,325	15,925	5,252	3,425	4,820	12,358	9,890	11,928
1944	Dry	4,581	2,694	5,419	2,012	1,979	1,962	3,680	3,664	6,761	11,285	7,384	2,416
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,080	11,239	9,502	3,715
1946	Below Normal	4,074	2,204	1,534	1,525	1,552	3,468	3,262	4,250	5,204	11,881	10,122	5,293
1947	Dry	4,569	2,503	1,534	1,607	1,509	1,527	2,856	4,590	5,621	11,395	7,661	7,418
1948	Below Normal	1,725	1,447	1,357	1,543	1,234	864	1,423	2,620	3,852	11,792	9,858	2,860
1949	Dry	2,629	1,708	1,561	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,942	7,420
1950	Below Normal	1,356	980	1,164	1,351	705	619	2,844	3,350	3,825	11,598	9,804	5,097
1951	Above Normal	2,069	1,560	12,245	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,346	9,625
1953	Wet	4,637	2,556	6,321	20,841	1,529	6,079	6,072	5,485	8,275	12,284	6,545	11,126
1954	Above Normal	4,331	2,493	5,708	2,778	1,517	6,612	7,182	3,421	7,667	12,724	9,990	9,910
1955	Dry	4,148	1,675	1,526	1,540	1,608	1,594	3,572	3,550	4,936	10,817	5,337	4,737
1956	Wet	1,403	1,685	2,172	19,481	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,879
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,868	3,131	3,156	4,110	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,182	4,082	10,841
1959	Below Normal	4,699	2,636	6,481	1,462	7,663	2,117	4,258	3,598	6,803	12,349	9,768	5,397
1960	Dry	3,269	2,569	1,614	1,092	969	777	3,602	3,575	6,566	11,326	8,047	7,880
1961	Dry	1,132	1,698	1,400	1,077	963	889	2,999	3,599	5,141	11,642	5,525	1,757
1962	Below Normal	1,427	885	1,373	853	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,618	16,187	8,109	13,695	5,499	5,266	12,671	9,453	11,639
1964	Dry	4,029	2,002	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,803	8,155
1965	Wet	2,140	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,084	7,630	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,060	6,344	12,386	9,934	8,130
1967	Wet	2,319	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,608	11,496
1968	Below Normal	4,643	2,424	4,192	2,385	11,573	6,449	3,904	3,657	6,671	12,693	9,284	7,179
1969	Wet	3,320	1,577	1,524	9,511	12,367	6,318	9,203	15,400	6,407	4,368	4,460	9,940
1970	Wet	4,012	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,982	11,988	9,654	8,698
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,367	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,891	2,347	1,501	1,492	1,495	2,001	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,317	7,077
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,104	3,203	10,153
1975	Wet	4,078	2,404	1,578	1,626	7,873	12,729	2,610	10,960	8,991	10,775	3,012	11,268
1976	Critical	2,724	2,391	4,606	1,482	1,597	1,645	3,672	3,724	4,085	9,861	5,367	6,692
1977	Critical	3,691	1,106	1,213	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,391	6,175	3,629	4,679	10,476	8,726	8,535
1979	Below Normal	4,689	2,454	6,143	1,175	1,062	885	2,487	3,657	7,057	11,264	8,572	3,126
1980	Above Normal	2,713	1,760	1,675	9,616	17,951	5,136	2,897	3,344	3,613	7,885	2,988	2,663
1981	Dry	4,684	2,602	3,375	1,863	3,516	6,762	2,604	3,470	7,208	11,308	7,144	8,226
1982	Wet	2,105	1,069	13,343	8,118	17,776	13,215	20,114	10,721	6,684	6,400	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,676
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,580	5,775
1986	Wet	4,527	2,485	1,513	1,452	20,984	22,561	2,634	3,547	4,475	11,339	5,359	11,230
1987	Dry	4,742	2,480	5,738	1,652	1,578	1,490	2,812	4,659	6,014	6,887	2,878	2,638
1988	Critical	1,433	990	1,617	956	1,154	1,480	2,045	2,636	4,118	8,248	2,365	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,261	6,251
1990	Critical	1,952	2,439	3,292	668	664	574	3,757	2,256	3,614	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,292	883	1,255	1,689	2,055	4,768	9,334	2,599	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,420	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,509	4,954	9,632	6,981	11,930	9,925	10,217
1994	Critical	4,322	2,359	3,741	1,066	982	785	3,525	3,046	4,008	10,737	3,773	2,942
1995	Wet	2,129	1,100	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,263
1996	Wet	5,228	4,525	3,915	11,720	20,967	9,934	7,963	11,925	5,528	11,470	5,717	11,296
1997	Wet	4,183	2,528	14,828	40,731	10,066	5,233	3,529	3,385	4,834	11,284	6,299	11,027
1998	Wet	4,436	2,574	2,054	1,449	16,957	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,148	2,927	3,390	4,206	11,176	4,779	7,182
2000	Above Normal	4,420	2,412	6,319	1,538	8,638	9,179	2,368	3,684	6,517	12,832	9,661	9,422
2001	Dry	3,933	2,457	6,286	1,587	1,556	1,462	2,788	4,622	6,102	7,452	2,973	2,552
2002	Dry	2,637	1,230	1,653	996	1,078	776	3,327	2,837	4,105	10,616	3,385	6,422
2003	Above Normal	2,325	1,853	2,124	1,455	1,457	1,477	2,012	6,847	4,988	12,672	9,298	10,125

Simulated Oroville Reservoir Release to Feather River (Node C6)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,521	2,614	4,626	3,494	18,978	9,293	10,329	6,827	10,578
1923	Below Normal	4,191	2,568	3,836	1,522	3,489	1,617	2,574	3,482	3,739	10,778	9,317	4,592
1924	Critical	4,054	2,553	4,187	1,596	1,598	2,484	3,414	4,004	4,685	4,573	2,784	1,430
1925	Dry	855	847	849	1,420	759	641	2,025	2,857	6,388	10,885	6,071	6,410
1926	Dry	2,297	1,089	1,669	703	709	1,448	1,525	5,421	7,676	11,498	8,220	3,258
1927	Wet	1,030	1,568	4,108	705	2,641	6,935	6,543	6,337	4,734	11,992	10,130	11,692
1928	Above Normal	4,148	2,543	3,026	1,506	4,240	8,188	2,588	3,546	7,596	12,518	10,025	9,508
1929	Critical	4,284	1,320	1,641	2,043	1,810	1,686	4,368	5,566	4,925	3,487	2,898	1,545
1930	Dry	1,245	862	4,519	702	3,819	621	2,240	3,102	6,944	11,362	6,109	6,165
1931	Critical	2,475	1,513	1,181	796	799	684	4,852	3,484	4,265	5,951	3,346	1,510
1932	Dry	1,044	846	4,424	773	1,460	2,773	3,329	2,482	3,484	10,289	9,378	2,306
1933	Critical	986	1,223	853	1,462	855	4,623	3,618	4,141	5,046	4,617	2,790	1,524
1934	Critical	1,082	867	2,667	1,399	3,552	770	4,060	4,591	5,041	3,104	3,095	1,407
1935	Below Normal	1,558	843	813	1,402	824	666	1,790	3,434	4,943	11,416	9,797	6,662
1936	Below Normal	3,210	2,498	1,645	1,500	4,336	5,375	2,604	3,317	4,101	10,942	9,541	5,243
1937	Below Normal	4,687	2,649	5,101	1,621	1,522	1,546	2,692	3,626	10,004	10,976	8,696	2,861
1938	Wet	4,147	1,604	1,542	1,519	9,533	19,226	14,276	19,855	11,317	6,519	6,462	10,969
1939	Dry	4,139	2,566	2,556	1,613	1,620	1,595	5,521	4,962	5,570	11,435	8,294	7,650
1940	Above Normal	929	1,201	1,138	1,651	1,006	19,507	5,524	3,154	5,599	12,718	10,462	10,012
1941	Wet	3,948	2,495	1,526	1,516	15,057	11,296	4,633	10,666	6,264	9,457	4,481	12,017
1942	Wet	4,156	2,531	7,643	14,192	17,466	2,630	11,198	7,824	9,163	8,924	5,588	11,979
1943	Wet	4,575	2,421	1,537	16,223	7,325	15,925	5,252	3,424	4,821	12,349	9,887	11,925
1944	Dry	4,578	2,696	5,432	2,016	1,982	1,966	3,680	3,664	6,759	11,282	7,380	2,546
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,079	11,229	9,501	4,811
1946	Below Normal	4,074	1,596	1,534	1,525	1,699	2,752	3,263	4,250	5,382	11,878	10,120	5,230
1947	Dry	4,570	2,504	1,534	1,606	1,509	1,527	2,856	4,590	5,623	11,397	7,631	7,336
1948	Below Normal	1,725	1,447	1,357	1,543	1,232	864	1,423	2,620	3,852	11,793	9,860	2,863
1949	Dry	2,633	1,712	1,562	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,978	7,420
1950	Below Normal	1,307	980	1,164	1,351	705	619	2,844	3,350	3,825	11,558	9,804	5,097
1951	Above Normal	2,069	1,560	12,285	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,436	6,936	18,982	22,850	11,669	4,970	3,333	9,996
1953	Wet	4,615	2,540	6,013	20,841	1,529	6,079	6,072	5,485	8,275	12,283	6,545	11,124
1954	Above Normal	4,333	2,494	5,707	2,778	1,517	6,614	7,182	3,421	7,668	12,724	9,991	9,911
1955	Dry	4,175	1,675	1,526	1,539	1,608	1,593	3,572	3,550	4,935	10,816	5,336	4,540
1956	Wet	1,403	1,685	2,172	19,646	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,908
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,840	3,131	3,156	4,111	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,184	4,082	10,843
1959	Below Normal	4,699	2,636	6,483	1,462	7,657	2,117	4,258	3,597	6,804	12,352	9,767	5,369
1960	Dry	3,248	2,508	1,591	1,092	969	777	3,603	3,575	6,565	11,325	8,091	7,882
1961	Dry	1,215	1,698	1,401	1,077	963	888	2,999	3,599	5,141	11,642	5,524	1,757
1962	Below Normal	1,427	886	1,372	854	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,617	16,187	8,109	13,695	5,499	5,267	12,671	9,453	11,639
1964	Dry	4,029	1,983	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,808	8,156
1965	Wet	2,152	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,080	7,632	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,061	6,347	12,386	9,934	8,105
1967	Wet	2,342	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,607	11,535
1968	Below Normal	4,642	2,424	4,365	2,175	1,511	9,283	3,904	3,656	6,633	12,691	9,573	7,178
1969	Wet	3,054	1,576	1,523	9,815	12,367	6,318	9,203	15,400	6,407	4,354	4,383	9,839
1970	Wet	4,200	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,985	11,986	9,654	8,622
1971	Wet	4,239	2,729	2,142	2,122	2,104	6,439	6,305	10,580	8,197	11,804	8,330	11,577
1972	Below Normal	3,887	2,347	1,501	1,492	1,495	2,007	3,490	3,329	5,555	11,467	9,276	7,085
1973	Above Normal	1,693	1,559	1,501	1,497	9,252	5,948	2,915	5,074	6,759	11,148	7,310	7,075
1974	Wet	3,948	1,576	8,005	20,369	5,602	26,162	9,959	8,485	7,265	9,101	3,199	10,694
1975	Wet	4,072	2,400	1,577	1,626	7,311	12,729	2,610	10,960	8,991	10,776	3,013	11,269
1976	Critical	2,752	2,392	4,609	1,482	1,597	1,644	3,672	3,724	4,085	9,828	5,363	6,690
1977	Critical	3,698	1,082	1,212	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,414	6,175	3,627	4,681	10,482	8,732	8,542
1979	Below Normal	4,683	2,450	6,174	1,174	1,062	885	2,487	3,656	7,042	11,248	8,570	4,188
1980	Above Normal	3,970	1,758	1,675	7,324	17,951	5,136	2,891	3,337	3,604	6,606	2,976	5,444
1981	Dry	4,665	2,589	3,266	1,587	2,443	6,762	2,605	3,472	7,210	11,310	7,151	8,174
1982	Wet	2,264	1,071	13,218	8,118	17,776	13,215	20,114	10,721	6,684	6,401	3,307	5,393
1983	Wet	4,727	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,678
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,579	5,774
1986	Wet	4,527	2,484	1,514	1,452	20,984	22,560	2,634	3,547	4,475	11,339	6,613	10,107
1987	Dry	4,742	2,480	5,750	1,652	1,578	1,490	2,812	4,658	6,010	6,717	2,877	2,635
1988	Critical	1,431	988	1,616	956	1,154	1,480	2,045	2,635	4,117	8,257	2,364	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,159	6,249
1990	Critical	1,974	2,439	3,329	668	664	574	3,757	2,256	3,615	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,294	883	1,255	1,689	2,055	4,767	9,377	2,218	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,416	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,554	4,954	9,632	6,981	11,929	9,925	10,217
1994	Critical	4,322	2,359	3,742	1,066	982	785	3,525	3,046	4,008	10,736	3,773	2,942
1995	Wet	2,129	1,101	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,265
1996	Wet	5,226	4,522	3,913	11,725	20,967	9,934	7,963	11,925	5,528	11,469	5,714	11,295
1997	Wet	4,180	2,525	14,840	40,731	10,066	5,233	3,529	3,385	4,687	11,520	6,301	11,056
1998	Wet	4,436	2,574	2,054	1,448	16,820	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,149	2,927	3,390	4,206	11,176	4,780	7,047
2000	Above Normal	4,421	2,412	6,319	1,538	8,775	9,179	2,367	3,685	6,518	12,832	9,662	9,423
2001	Dry	3,932	2,456	6,087	1,587	1,556	1,462	2,788	4,622	6,103	7,648	2,974	2,552
2002	Dry	2,637	1,230	1,654	996	1,078	776	3,326	2,836	4,105	10,616	3,309	6,506
2003	Above Normal	2,326	1,845	2,123	1,456	1,457	1,477	2,012	6,847	4,988	12,673	9,298	10,125

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	562	518	575	575	494	554	800	975	975	802	789	650
1924	Critical	576	515	448	387	393	376	371	366	347	327	308	295
1925	Dry	305	334	388	403	556	652	800	975	915	715	618	612
1926	Dry	602	567	533	489	575	634	800	779	628	475	389	387
1927	Wet	361	495	574	575	559	656	800	975	975	806	797	595
1928	Above Normal	577	492	512	518	546	644	800	953	832	563	496	426
1929	Critical	384	349	316	275	300	351	415	465	461	400	346	314
1930	Dry	300	280	415	493	557	669	770	793	701	484	443	447
1931	Critical	412	386	331	305	300	341	342	356	359	322	275	199
1932	Dry	154	161	293	405	575	671	793	975	975	906	770	650
1933	Critical	604	518	458	415	388	431	487	584	566	397	329	300
1934	Critical	263	229	317	422	519	624	596	483	295	273	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	936	789	605
1939	Dry	601	553	509	469	457	582	636	621	556	413	348	354
1940	Above Normal	344	324	316	571	555	634	800	975	975	760	720	518
1941	Wet	490	379	550	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	795	793	592
1944	Dry	505	409	357	329	393	520	583	690	656	510	434	401
1945	Below Normal	371	439	494	497	563	667	800	975	975	782	764	557
1946	Below Normal	546	571	575	571	563	659	800	975	975	764	699	564
1947	Dry	529	544	543	495	564	672	751	767	652	496	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	588	569
1950	Below Normal	533	484	426	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	653	517	553	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	539	523	552	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	510	520	581	703	708	615	529	508
1956	Wet	473	430	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	502	440	493	575	654	737	757	720	447	398	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	497	560	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	568	575	559	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	515	518	512	534	541	638	800	838	796	536	503	489
1967	Wet	448	466	575	570	555	646	800	975	975	950	800	636
1968	Below Normal	637	549	540	569	547	649	712	735	690	428	422	410
1969	Wet	378	412	479	543	522	647	800	975	975	876	766	600
1970	Wet	607	570	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	595
1974	Wet	597	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	500	483	482	575	673	800	975	975	938	800	640
1976	Critical	680	531	498	442	417	442	456	482	464	432	407	386
1977	Critical	378	356	313	281	250	245	233	236	214	177	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	536	487	559	575	668	800	975	908	712	692	611
1980	Above Normal	609	575	575	459	426	627	800	975	975	950	752	603
1981	Dry	550	467	426	425	433	576	667	693	654	497	431	424
1982	Wet	417	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	619	490
1987	Dry	489	437	380	341	375	492	552	536	469	287	243	261
1988	Critical	260	263	340	447	442	473	512	512	470	402	350	336
1989	Dry	328	402	453	481	529	631	800	833	645	480	417	399
1990	Critical	404	391	349	356	374	469	530	532	503	422	390	368
1991	Critical	317	271	218	157	116	309	451	583	612	484	290	232
1992	Critical	241	244	250	238	409	561	589	520	421	113	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	474	410	414	428	458	483	502	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	519	575	562	478	628	800	975	975	879	800	622
1997	Wet	555	501	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	585	484	432	571	538	644	800	975	940	683	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	477	410	415
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	600
2003	Above Normal	501	488	575	563	539	621	800	975	975	754	737	600

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Alternative 3 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	559	505	575	575	492	552	800	975	975	802	772	650
1924	Critical	530	470	402	342	348	331	326	322	313	305	299	294
1925	Dry	304	334	387	402	556	652	800	975	935	734	635	636
1926	Dry	625	575	541	497	575	634	800	808	637	486	419	374
1927	Wet	348	485	569	575	559	656	800	975	975	806	795	593
1928	Above Normal	574	492	512	517	546	644	800	953	831	562	497	427
1929	Critical	385	350	317	276	300	352	416	467	462	401	347	315
1930	Dry	300	280	414	492	556	669	770	793	701	485	446	449
1931	Critical	414	388	333	308	302	344	344	358	362	324	281	205
1932	Dry	160	166	299	411	575	671	793	975	975	906	800	620
1933	Critical	508	382	322	281	254	298	356	454	422	243	232	201
1934	Critical	196	162	266	372	470	575	546	434	245	225	94	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	564	528	482	575	568	661	800	975	975	804	798	650
1937	Below Normal	540	489	433	395	575	675	800	975	975	773	720	650
1938	Wet	640	575	575	575	575	673	800	975	975	950	800	607
1939	Dry	603	546	502	462	450	574	628	610	547	407	348	353
1940	Above Normal	343	324	316	571	555	634	800	975	975	760	701	499
1941	Wet	471	369	540	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	796	793	593
1944	Dry	506	402	350	322	386	513	576	683	649	506	431	399
1945	Below Normal	369	437	493	497	563	667	800	975	975	782	733	566
1946	Below Normal	557	575	575	571	563	659	800	975	975	764	698	560
1947	Dry	529	545	543	496	564	672	751	767	653	497	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	590	572
1950	Below Normal	536	487	428	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	650	499	535	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	541	525	554	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	509	520	581	703	708	615	529	509
1956	Wet	474	431	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	501	439	492	575	654	737	757	720	447	397	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	496	559	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	575	482	618	800	975	975	802	788	590
1964	Dry	569	575	560	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	516	521	515	537	544	641	800	838	796	534	502	488
1967	Wet	447	465	575	570	555	646	800	975	975	950	800	634
1968	Below Normal	636	522	517	546	547	649	712	735	690	426	419	407
1969	Wet	375	410	478	543	522	647	800	975	975	875	764	600
1970	Wet	607	571	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	554
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	581
1974	Wet	582	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	502	485	483	575	673	800	975	975	938	800	640
1976	Critical	680	530	497	442	417	441	456	482	463	431	407	385
1977	Critical	377	356	313	281	249	244	233	235	214	176	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	519	470	542	575	668	800	975	907	702	682	601
1980	Above Normal	599	575	575	459	426	627	800	975	975	873	675	557
1981	Dry	534	478	437	436	444	587	678	704	665	508	437	432
1982	Wet	425	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	624	492
1987	Dry	490	438	381	341	375	492	552	535	469	290	246	264
1988	Critical	263	266	343	450	442	472	511	511	469	401	349	336
1989	Dry	328	402	453	481	530	631	800	833	645	480	416	398
1990	Critical	404	390	349	355	374	468	529	531	503	421	389	368
1991	Critical	317	271	218	158	116	309	452	583	612	485	288	230
1992	Critical	239	242	248	236	406	558	587	519	420	112	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	878	800	648
1994	Critical	641	511	475	410	415	428	458	483	503	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	503	575	562	478	628	800	975	975	879	800	622
1997	Wet	554	500	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	584	483	432	571	538	644	800	975	940	684	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	478	410	416
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	593
2003	Above Normal	500	486	575	563	539	621	800	975	975	754	737	600

Simulated Folsom Reservoir Release to American River (Node C8)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,782	2,655	5,866	4,511	4,484	1,875	3,093	4,510	2,907	5,062	1,808	4,041
1924	Critical	2,500	1,957	2,025	1,725	1,473	832	843	847	825	831	827	782
1925	Dry	870	825	822	820	6,205	2,147	4,783	4,490	3,872	5,063	3,168	1,681
1926	Dry	1,535	1,957	2,024	1,724	2,907	1,065	3,158	1,726	3,120	3,079	2,168	1,085
1927	Wet	1,534	1,592	1,610	3,567	13,419	4,633	7,644	4,714	5,387	4,760	1,807	5,051
1928	Above Normal	1,698	4,069	2,024	1,772	1,762	12,186	4,785	1,796	2,993	5,062	2,521	2,537
1929	Critical	1,535	1,676	1,775	1,509	1,295	1,316	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,107	1,132	1,167	1,123	1,128	2,638	1,790	1,796	2,872	4,473	2,282	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,290	1,063	1,074	1,077	1,112	1,357	1,229	1,901
1932	Dry	1,600	925	773	845	2,424	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,918	2,540	2,025	1,723	1,472	1,489	1,590	1,490	3,171	3,691	2,700	1,549
1934	Critical	1,723	1,718	1,035	872	809	826	2,078	2,566	3,728	860	2,184	1,622
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,909	1,956	2,025	5,123	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,515	2,778
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,668	4,266	4,869
1939	Dry	1,534	2,299	2,025	1,724	1,466	860	1,633	1,466	1,768	2,887	1,318	921
1940	Above Normal	1,355	1,352	1,345	3,086	10,582	10,509	6,190	3,157	1,962	5,062	2,262	5,051
1941	Wet	1,719	3,324	2,016	5,318	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,785	3,118	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,020	3,277	10,807	7,305	11,938	5,195	2,549	3,074	5,062	1,808	5,052
1944	Dry	2,732	2,760	2,025	1,725	1,450	1,441	1,481	1,492	2,322	3,709	2,944	1,974
1945	Below Normal	1,535	1,645	1,688	1,691	7,817	2,034	3,461	3,461	2,758	5,063	1,891	5,052
1946	Below Normal	1,891	2,762	8,731	5,147	2,574	3,053	3,589	3,637	2,039	5,062	2,687	3,928
1947	Dry	1,897	1,957	2,024	1,725	1,468	2,240	1,452	1,461	3,024	3,229	2,407	1,771
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,399	3,115	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,514	1,889
1950	Below Normal	1,535	1,957	2,025	2,632	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,567	3,900	2,020	6,815	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,034	2,025	1,722	3,014	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,500	1,776	1,786	1,794	1,806	2,725	3,065	1,726
1956	Wet	1,535	1,924	16,422	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,741	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,620	2,025	1,719	1,796	1,040	1,054	1,059	1,501	4,974	1,219	1,108
1960	Dry	1,536	1,605	1,677	1,429	1,240	3,364	1,949	1,778	1,807	1,866	2,844	1,847
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,164
1962	Below Normal	948	948	980	788	2,792	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,666	1,808	5,052
1964	Dry	1,913	3,674	2,280	2,356	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,887	2,204	2,017	1,762	1,762	1,176	1,362	1,194	1,220	4,658	1,611	1,216
1967	Wet	1,536	1,840	3,051	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,716
1968	Below Normal	1,536	3,583	2,090	1,717	6,808	2,047	1,505	1,513	1,544	4,711	1,545	1,540
1969	Wet	1,535	1,703	1,751	14,934	9,269	3,489	6,485	9,173	6,663	4,110	3,542	4,537
1970	Wet	1,535	2,297	5,558	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,189	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	3,226	4,305	3,115	4,663	1,807	3,486
1974	Wet	1,534	7,094	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,701	2,024	1,722	2,543	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,622	2,025	1,725	1,473	881	889	895	958	1,169	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,464	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,585	2,025	1,706	3,276	3,419	1,844	4,293	2,716	4,574	1,807	2,883
1980	Above Normal	1,534	2,436	2,268	17,695	13,166	3,708	2,961	2,964	3,261	2,993	5,057	4,148
1981	Dry	2,194	2,857	2,024	1,757	1,771	960	995	1,002	1,154	3,051	1,620	1,085
1982	Wet	1,534	5,331	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,234	4,115
1987	Dry	1,536	1,931	1,998	1,699	1,443	815	843	1,229	1,555	3,236	853	848
1988	Critical	833	909	841	794	1,340	910	816	840	1,279	1,188	858	851
1989	Dry	923	917	904	909	821	9,424	4,025	3,525	4,686	3,575	2,524	2,133
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,891	1,645	1,384
1991	Critical	1,454	1,411	1,442	1,231	1,041	1,020	1,062	1,070	1,804	3,550	4,402	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,630	1,902	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,816	2,684	4,072
1994	Critical	1,536	3,679	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,888	1,469	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,671	2,427	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,558	3,788	13,200	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,068	2,643	4,937
2000	Above Normal	1,769	3,224	2,025	2,507	11,529	4,098	2,474	2,209	2,028	5,062	1,926	2,637
2001	Dry	1,616	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,123	1,309	1,065
2002	Dry	1,170	829	1,316	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,608
2003	Above Normal	2,343	1,955	2,274	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Folsom Reservoir Release to American River (Node C8)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,831	2,824	5,653	4,511	4,524	1,875	3,060	4,512	2,910	5,062	2,092	3,756
1924	Critical	3,248	1,957	2,025	1,725	1,473	832	843	847	645	651	608	639
1925	Dry	870	825	822	820	6,191	2,147	4,783	4,489	3,534	5,063	3,197	1,588
1926	Dry	1,535	2,209	2,024	1,724	3,051	1,068	3,152	1,247	3,449	3,046	1,862	1,802
1927	Wet	1,534	1,529	1,524	3,496	13,418	4,633	7,644	4,714	5,387	4,758	1,828	5,051
1928	Above Normal	1,724	4,027	2,024	1,772	1,762	12,182	4,783	1,796	2,999	5,062	2,493	2,524
1929	Critical	1,535	1,679	1,772	1,509	1,318	1,296	1,301	1,496	1,805	1,812	1,807	1,584
1930	Dry	1,131	1,127	1,177	1,133	1,137	2,616	1,790	1,796	2,872	4,462	2,254	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,291	1,061	1,073	1,076	1,102	1,389	1,153	1,899
1932	Dry	1,599	924	773	845	2,524	2,217	1,790	3,466	5,007	3,456	3,352	4,556
1933	Critical	2,985	3,233	2,025	1,686	1,471	1,473	1,572	1,490	3,428	3,865	1,806	1,583
1934	Critical	1,209	1,730	783	846	809	826	2,082	2,572	3,733	860	2,198	811
1935	Below Normal	1,021	911	825	846	824	1,762	5,787	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,892	1,956	2,025	5,140	13,329	4,234	5,374	4,010	4,841	5,062	1,808	4,161
1937	Below Normal	3,051	1,957	2,025	1,715	2,497	4,327	4,302	3,951	2,261	5,062	2,525	2,767
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,437	4,318	5,019
1939	Dry	1,534	2,449	2,025	1,724	1,466	863	1,645	1,506	1,741	2,852	1,227	923
1940	Above Normal	1,350	1,347	1,340	3,088	10,582	10,508	6,190	3,157	1,962	5,062	2,577	5,051
1941	Wet	1,726	3,171	2,016	5,150	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,777	3,125	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,017	3,280	10,807	7,305	11,938	5,195	2,549	3,074	5,058	1,808	5,052
1944	Dry	2,731	2,882	2,025	1,725	1,450	1,441	1,481	1,492	2,324	3,672	2,912	1,967
1945	Below Normal	1,535	1,634	1,674	1,677	1,481	2,034	3,463	2,760	2,212	5,063	2,393	4,403
1946	Below Normal	1,848	2,872	8,802	5,148	2,575	3,053	3,589	3,637	2,039	5,062	2,691	3,992
1947	Dry	1,822	1,957	2,024	1,725	1,468	2,250	1,452	1,461	3,012	3,232	2,409	1,777
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,763	3,453	5,225	3,402	3,113	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,476	1,888
1950	Below Normal	1,535	1,957	2,025	2,669	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,534
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,624	4,146	2,020	6,520	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,006	2,025	1,722	3,045	4,468	4,330	1,797	1,806	5,063	1,807	2,307
1955	Dry	1,536	1,957	2,015	1,685	2,501	1,776	1,786	1,794	1,806	2,726	3,062	1,710
1956	Wet	1,535	1,929	16,433	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,742	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,638	2,025	1,719	1,776	1,040	1,054	1,059	1,502	4,986	1,213	1,108
1960	Dry	1,536	1,603	1,674	1,427	1,238	3,366	1,950	1,778	1,807	1,867	2,844	1,848
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,163
1962	Below Normal	950	948	980	788	2,790	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,566	1,808	5,052
1964	Dry	1,908	3,678	2,277	2,359	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,979	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,871	2,170	2,017	1,762	1,762	1,175	1,412	1,193	1,220	4,684	1,601	1,216
1967	Wet	1,536	1,836	3,040	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,747
1968	Below Normal	1,536	4,009	2,024	1,717	6,409	2,047	1,505	1,513	1,544	1,544	1,544	1,544
1969	Wet	1,535	1,691	1,734	14,921	9,269	3,489	6,485	9,173	6,663	4,117	3,563	4,508
1970	Wet	1,535	2,283	5,573	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,821	4,017	2,479	3,594	5,040	3,842	3,221	4,381
1972	Below Normal	1,535	3,425	2,031	1,987	3,098	4,171	1,791	1,797	2,190	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	2,326	4,305	3,115	4,662	1,807	3,734
1974	Wet	1,534	6,847	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,674	2,024	1,722	2,572	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,628	2,025	1,725	1,473	881	890	895	956	1,171	956	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,457	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,987	1,808	4,021
1979	Below Normal	1,713	2,861	2,025	1,706	2,978	3,419	1,847	4,296	2,727	4,745	1,807	2,885
1980	Above Normal	1,534	2,265	2,270	17,696	13,168	3,708	2,961	2,964	3,261	4,255	5,057	3,635
1981	Dry	1,716	2,394	2,024	1,757	1,771	956	991	998	1,157	3,055	1,691	1,057
1982	Wet	1,534	5,462	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,300	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,139	4,193
1987	Dry	1,536	1,937	2,004	1,704	1,447	815	843	1,238	1,550	3,184	853	848
1988	Critical	833	909	841	794	1,399	912	816	840	1,279	1,184	858	851
1989	Dry	921	915	902	907	821	9,428	4,025	3,529	4,686	3,578	2,523	2,135
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,890	1,644	1,384
1991	Critical	1,452	1,410	1,440	1,229	1,043	1,019	1,060	1,068	1,804	3,551	4,444	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,620	1,892	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,815	2,685	4,072
1994	Critical	1,536	3,676	2,020	1,719	1,452	1,403	1,411	1,414	1,551	1,890	1,169	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,941	2,166	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,561	3,800	13,187	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,969	2,643	4,937
2000	Above Normal	1,787	3,214	2,025	2,499	11,529	4,098	2,474	2,209	2,027	5,062	1,927	2,637
2001	Dry	1,615	2,421	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,104	1,316	1,065
2002	Dry	1,182	829	1,318	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,720
2003	Above Normal	2,260	1,955	2,250	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,119	16,634	25,948	25,447	17,370	11,333	20,994	15,796	12,691	20,085	15,348	14,149
1924	Critical	10,952	10,445	9,869	12,157	14,852	9,160	7,903	7,225	7,974	14,693	7,547	6,636
1925	Dry	7,262	7,575	12,380	12,052	49,385	16,631	23,176	13,706	12,502	19,398	13,269	13,395
1926	Dry	9,291	9,250	9,365	17,347	37,280	11,826	20,238	10,870	13,524	19,312	12,625	10,441
1927	Wet	7,945	21,302	18,523	31,633	73,779	41,778	42,649	24,401	18,451	22,024	16,348	29,746
1928	Above Normal	11,668	20,228	14,734	23,952	21,105	66,337	24,141	10,419	15,598	24,460	16,985	22,470
1929	Critical	11,331	13,477	11,628	12,618	16,071	12,112	8,435	8,917	10,286	9,514	9,665	6,784
1930	Dry	6,494	6,673	17,552	20,056	17,766	30,550	13,070	11,073	13,149	18,579	11,456	12,938
1931	Critical	8,190	8,313	8,222	13,389	11,476	8,436	9,593	7,514	7,701	12,698	7,564	6,650
1932	Dry	6,479	6,557	18,894	20,305	15,040	12,297	9,347	12,500	13,433	15,602	13,649	9,910
1933	Critical	8,057	7,924	9,490	14,084	12,304	13,985	9,501	8,540	10,550	10,400	9,785	8,180
1934	Critical	6,611	6,701	14,088	17,851	14,771	11,624	10,933	9,560	10,749	9,098	7,163	6,699
1935	Below Normal	6,484	11,077	9,903	26,605	13,222	25,791	40,882	18,841	15,094	19,834	14,841	14,987
1936	Below Normal	10,484	9,228	10,423	37,142	60,249	33,017	20,989	13,714	14,809	20,328	14,895	13,933
1937	Below Normal	10,819	9,673	13,893	13,300	33,771	35,918	20,818	13,896	16,271	19,039	13,117	9,775
1938	Wet	10,703	24,446	57,343	28,406	70,448	72,225	54,553	53,026	34,605	15,079	15,226	27,334
1939	Dry	12,536	13,232	13,791	10,713	12,179	9,609	9,064	9,998	9,651	19,787	14,697	15,105
1940	Above Normal	8,044	7,984	9,262	26,617	52,897	67,423	54,259	14,997	12,562	23,629	16,200	21,042
1941	Wet	10,989	13,586	34,251	62,267	65,241	60,969	49,696	38,615	16,023	17,457	15,190	30,471
1942	Wet	12,429	17,544	41,308	56,837	68,591	22,062	41,490	31,932	24,830	16,728	15,420	29,847
1943	Wet	12,742	19,386	18,276	59,674	47,791	57,277	25,373	15,479	12,439	23,112	15,782	29,616
1944	Dry	12,938	16,035	14,751	15,107	24,178	19,155	9,789	9,442	11,944	19,277	13,810	8,953
1945	Below Normal	7,959	14,527	15,976	13,141	43,597	20,961	12,312	12,687	11,925	19,744	15,819	14,210
1946	Below Normal	11,802	13,578	49,368	45,003	16,432	18,292	14,128	13,666	11,349	20,688	16,709	14,865
1947	Dry	11,855	11,379	15,154	11,571	17,513	19,660	12,724	9,628	13,147	20,150	15,133	14,731
1948	Below Normal	10,200	11,102	9,444	14,898	10,352	15,869	23,266	28,614	21,153	20,425	17,692	15,420
1949	Dry	10,948	10,274	13,339	11,364	11,828	40,246	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,892	9,509	10,015	20,039	34,080	19,962	14,593	13,889	21,057	16,339	14,887	15,877
1951	Above Normal	13,266	45,429	74,758	55,406	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,335
1952	Wet	12,005	17,509	36,467	58,575	59,093	52,707	53,626	58,987	36,121	18,325	16,353	26,355
1953	Wet	14,459	17,341	32,470	63,573	23,060	19,541	16,406	24,431	24,944	16,820	16,949	29,640
1954	Above Normal	11,992	19,182	14,845	24,346	45,036	43,628	38,790	12,296	14,223	24,719	17,093	22,851
1955	Dry	12,000	17,134	21,729	18,862	12,758	10,748	11,502	11,925	9,872	19,833	13,278	13,362
1956	Wet	8,304	11,036	49,606	75,069	59,456	34,215	18,077	39,217	20,637	17,385	15,396	29,692
1957	Above Normal	13,292	18,893	15,019	13,341	15,242	42,370	11,687	18,507	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,387	42,062	30,065	17,823	17,194	26,983
1959	Below Normal	14,999	18,084	15,271	21,633	41,662	15,896	10,338	10,616	13,509	23,554	17,298	14,083
1960	Dry	10,486	9,604	9,530	12,886	27,062	19,473	11,495	11,370	13,067	19,912	15,035	15,788
1961	Dry	8,602	12,706	19,169	12,644	33,442	18,478	10,191	10,464	11,180	20,708	12,888	10,975
1962	Below Normal	8,068	10,035	16,536	10,764	44,338	22,969	13,280	13,310	11,965	22,565	17,342	14,801
1963	Wet	34,384	16,242	27,945	16,909	61,938	25,006	64,449	26,359	14,140	24,311	16,509	28,674
1964	Dry	13,428	23,093	13,907	22,212	13,084	10,888	10,342	11,432	10,903	19,846	14,302	15,468
1965	Wet	8,927	15,562	44,229	70,874	32,673	19,743	40,271	17,537	15,172	22,261	15,881	29,819
1966	Below Normal	12,859	20,988	13,188	24,741	22,377	20,824	13,029	11,569	12,551	22,908	17,025	15,542
1967	Wet	10,350	15,097	36,472	36,587	46,618	45,914	34,380	43,172	38,246	14,633	15,713	28,484
1968	Below Normal	14,165	15,634	15,482	23,563	50,215	31,980	10,787	11,587	12,535	23,630	16,348	14,133
1969	Wet	11,556	12,017	22,849	64,355	69,086	42,925	39,682	45,518	22,432	13,631	13,745	27,734
1970	Wet	12,054	12,989	44,286	76,866	62,399	33,434	10,847	12,694	12,735	24,896	16,547	26,485
1971	Wet	13,805	19,596	47,245	46,379	22,418	39,151	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,107	15,292	15,877	17,107	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,047	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,278	15,375	18,445
1974	Wet	13,611	48,137	59,345	72,443	39,328	67,942	56,272	20,677	19,499	19,851	17,257	27,985
1975	Wet	14,685	19,011	15,116	14,187	49,321	58,498	20,190	28,779	24,124	19,537	15,314	29,391
1976	Critical	15,878	19,004	15,548	11,041	12,650	13,513	10,160	6,663	8,255	16,967	9,516	11,534
1977	Critical	10,906	8,010	8,201	9,722	10,768	8,117	8,658	5,448	8,239	8,882	9,904	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,877	54,972	33,814	18,604	15,959	20,042	16,287	21,504
1979	Below Normal	12,554	14,450	15,005	21,149	28,771	24,730	13,656	14,460	12,784	20,592	16,040	12,234
1980	Above Normal	10,682	15,797	19,733	68,349	67,316	43,189	16,867	14,116	12,751	16,017	15,070	13,166
1981	Dry	12,223	14,441	15,564	20,831	26,450	25,299	13,219	9,758	13,567	19,893	15,326	15,880
1982	Wet	9,923	33,633	67,946	59,224	66,794	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,286	76,341	47,363	33,779	34,019	13,369	12,142	12,200	23,632	15,875	28,006
1985	Dry	11,243	24,682	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,508	76,675	70,753	18,197	12,973	13,207	20,919	14,103	23,663
1987	Dry	12,002	11,989	15,111	13,732	19,283	22,742	9,359	10,802	13,471	17,792	9,350	8,689
1988	Critical	7,833	7,735	17,578	25,017	13,273	7,427	11,357	9,096	10,763	16,159	9,705	6,702
1989	Dry	6,623	9,572	12,282	8,837	45,550	21,142	13,700	13,635	20,815	15,033	15,879	15,879
1990	Critical	9,876	9,184	11,125	18,387	13,395	12,270	11,389	7,988	8,003	17,815	10,502	6,894
1991	Critical	6,595	6,686	7,181	9,618	8,977	28,664	11,738	7,176	9,636	17,363	9,725	6,843
1992	Critical	6,547	6,571	6,598	10,394	27,982	18,328	11,166	9,475	13,709	14,480	10,418	7,621
1993	Above Normal	7,688	6,672	12,616	46,928	48,092	38,920	37,440	26,003	26,194	19,731	16,502	22,740
1994	Critical	13,143	14,088	15,776	12,795	21,603	11,824	12,878	10,289	8,280	19,268	13,712	10,782
1995	Wet	7,610	8,336	15,277	63,130	49,951	77,297	50,308	58,378	38,017	17,119	18,024	23,059
1996	Wet	15,724	14,072	22,238	42,595	72,189	57,284	32,959	40,904	15,310	21,547	15,584	31,355
1997	Wet	11,692	17,501	50,733	77,914	51,973	22,127	16,219	12,074	12,716	24,528	16,386	28,994
1998	Wet	12,399	17,728	20,020	26,829	68,230	60,524	45,021	42,782	61,518	23,530	20,460	26,639
1999	Wet	16,285	26,797	34,936	38,330	61,292	54,457	22,714	18,635	16,896	21,508	15,902	26,763
2000	Above Normal	11,052	18,111	14,507	21,734	62,490	48,327	17,808	16,081	12,262	22,767	16,790	22,183
2001	Dry	9,224	14,023	14,419	16,674	23,517	22,304	11,493	9,348	13,401	19,337	9,680	9,601
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Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Alternative 3 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,557	30,020	27,513	22,710	49,265	35,401	18,463	15,447	23,851
1923	Below Normal	12,350	17,507	25,697	25,470	17,391	11,358	20,961	15,300	12,195	20,077	15,226	14,149
1924	Critical	12,455	9,948	11,546	12,154	14,786	9,172	7,910	7,231	7,984	10,163	7,580	6,641
1925	Dry	7,267	7,583	12,384	12,054	49,373	16,629	23,170	13,702	12,502	19,342	13,127	13,280
1926	Dry	8,802	9,024	9,362	17,348	37,424	11,825	20,225	10,873	13,530	19,693	12,747	10,385
1927	Wet	7,956	21,219	19,912	31,567	73,969	41,761	42,662	24,409	18,455	22,024	16,430	29,724
1928	Above Normal	11,691	20,186	14,734	23,954	21,106	66,335	24,132	10,419	15,599	24,430	16,987	22,491
1929	Critical	11,330	13,500	11,627	12,621	16,073	12,090	8,436	8,920	10,300	9,525	10,060	6,789
1930	Dry	6,499	6,675	17,565	20,068	17,777	30,529	13,071	11,074	13,143	18,581	11,452	12,945
1931	Critical	8,610	8,731	8,561	13,390	11,478	8,437	9,593	7,513	7,666	11,482	7,478	6,649
1932	Dry	6,478	6,557	18,895	20,306	15,141	12,297	9,347	12,501	13,434	15,600	15,491	10,949
1933	Critical	8,067	7,930	9,492	14,085	12,347	13,986	9,501	8,291	10,551	9,855	9,761	7,937
1934	Critical	6,599	6,694	13,888	17,800	14,778	11,631	10,934	9,561	10,753	9,072	7,178	6,709
1935	Below Normal	6,493	11,104	9,896	26,604	13,220	25,790	40,883	18,841	15,096	19,829	14,839	14,985
1936	Below Normal	11,083	9,651	10,421	37,160	59,088	33,025	20,988	13,713	14,808	20,378	14,895	14,273
1937	Below Normal	12,403	9,662	13,751	13,299	33,045	35,923	20,816	13,897	16,919	19,062	14,129	9,763
1938	Wet	10,707	24,446	57,632	28,398	70,015	72,227	54,552	53,024	34,604	15,079	15,226	28,460
1939	Dry	12,485	14,033	13,249	10,741	12,179	9,624	9,076	9,997	9,652	19,789	14,311	14,951
1940	Above Normal	8,043	7,984	9,220	26,627	52,704	67,414	54,258	14,996	12,561	23,622	16,515	21,485
1941	Wet	11,001	13,468	33,808	62,113	65,241	60,969	49,696	38,615	16,023	17,458	15,190	30,471
1942	Wet	12,395	17,577	41,308	56,837	68,591	22,063	41,492	31,935	24,833	16,728	15,419	30,324
1943	Wet	12,739	19,369	18,280	59,437	47,795	57,278	25,374	15,485	12,442	23,086	15,781	29,614
1944	Dry	12,936	16,670	14,734	15,123	24,187	19,162	9,790	9,443	11,945	19,184	13,822	8,944
1945	Below Normal	7,958	14,513	15,960	13,127	43,598	20,960	11,814	12,189	11,430	19,475	15,820	14,210
1946	Below Normal	11,331	13,992	49,992	44,990	16,596	17,582	14,131	13,666	11,527	20,689	16,710	14,865
1947	Dry	11,780	11,380	15,154	11,571	17,513	19,669	12,723	9,629	13,148	20,150	15,109	14,689
1948	Below Normal	10,218	11,102	9,444	14,898	10,350	15,868	23,266	28,608	21,153	20,433	17,692	15,416
1949	Dry	10,947	10,278	13,337	11,363	11,828	40,251	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,843	9,509	10,015	20,076	34,080	19,962	19,483	14,593	13,889	21,052	16,339	14,887
1951	Above Normal	13,264	45,429	74,765	55,405	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,334
1952	Wet	12,005	17,510	36,468	58,575	59,093	52,708	53,627	58,991	36,130	18,337	16,353	26,738
1953	Wet	14,524	18,773	31,169	63,288	23,066	19,544	16,407	24,431	24,943	22,448	16,818	29,946
1954	Above Normal	11,993	19,038	14,846	24,455	45,065	43,630	38,790	12,296	14,224	24,719	17,093	22,852
1955	Dry	12,018	17,161	21,728	18,862	12,759	10,748	11,502	11,925	9,872	19,832	13,264	13,097
1956	Wet	8,305	11,041	49,621	75,088	59,456	34,216	18,077	39,217	20,637	17,385	15,396	29,721
1957	Above Normal	13,292	18,893	15,019	13,342	15,242	42,347	11,687	18,508	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,668	22,782	36,742	69,347	68,124	67,388	42,063	30,066	17,284	17,194	26,985
1959	Below Normal	14,999	18,176	15,269	21,562	41,641	15,895	10,338	10,615	13,509	23,566	17,296	14,056
1960	Dry	10,460	9,544	9,505	12,884	27,060	19,474	11,495	11,370	13,066	19,912	15,079	15,791
1961	Dry	8,683	12,706	19,164	12,644	33,442	18,047	10,191	10,464	11,180	20,709	12,887	10,974
1962	Below Normal	8,067	10,037	16,538	10,764	44,337	22,969	13,280	13,310	11,964	22,566	17,342	14,802
1963	Wet	34,385	16,242	27,945	16,908	61,935	25,006	64,450	26,359	14,140	24,312	16,509	28,641
1964	Dry	13,442	23,093	13,889	22,216	13,084	10,888	10,342	11,432	10,904	19,846	14,311	15,469
1965	Wet	8,939	15,562	44,229	70,874	32,673	19,744	40,277	17,537	15,172	22,265	15,883	29,822
1966	Below Normal	12,861	20,810	13,193	24,739	22,376	21,014	13,063	11,569	12,551	22,372	17,026	15,453
1967	Wet	10,353	15,094	36,500	36,587	46,619	45,914	34,380	43,172	38,247	14,634	15,713	28,674
1968	Below Normal	14,044	17,889	15,482	23,396	48,803	32,018	10,787	11,587	12,499	23,674	16,350	14,134
1969	Wet	11,289	12,005	22,831	64,415	69,086	42,925	39,682	45,518	22,432	13,645	13,745	27,582
1970	Wet	12,187	12,989	44,299	76,866	62,399	33,434	10,847	12,694	12,745	24,894	16,547	26,409
1971	Wet	13,836	19,544	47,260	46,379	22,418	39,201	22,663	27,624	21,215	17,284	17,085	29,790
1972	Below Normal	13,861	16,099	15,293	15,876	17,106	28,199	11,446	10,963	12,644	23,381	17,049	15,297
1973	Above Normal	11,045	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,277	15,375	19,560
1974	Wet	12,919	47,863	59,346	72,442	39,326	67,942	56,272	20,678	19,501	19,850	17,256	28,528
1975	Wet	14,678	18,873	15,118	14,185	48,981	58,526	20,188	28,779	24,123	19,537	15,312	29,392
1976	Critical	15,905	19,036	15,548	11,040	12,650	13,513	10,160	6,663	8,255	17,012	9,467	11,537
1977	Critical	10,855	8,006	8,191	9,728	10,761	8,117	8,658	5,448	8,239	8,882	9,895	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,878	54,981	33,814	18,603	15,964	20,053	16,296	21,514
1979	Below Normal	12,551	15,838	15,034	21,174	28,489	24,740	13,681	14,463	12,782	20,591	16,039	13,582
1980	Above Normal	11,691	15,262	19,755	67,662	67,318	43,185	16,863	14,113	12,749	16,010	14,525	16,871
1981	Dry	11,725	12,543	15,564	20,525	25,366	25,293	13,214	9,754	13,569	19,897	15,274	15,735
1982	Wet	10,083	34,027	67,908	59,198	66,795	61,174	71,966	31,621	20,887	14,816	13,791	22,918
1983	Wet	19,868	35,659	57,754	57,395	74,128	81,283	56,763	54,461	51,681	23,599	20,631	25,952
1984	Wet	18,649	54,285	76,341	47,362	33,778	34,018	13,368	12,142	12,200	23,632	15,875	28,008
1985	Dry	11,243	24,678	21,185	13,835	14,966	13,105	12,462	11,197	12,816	19,546	14,089	15,213
1986	Wet	11,438	13,087	17,152	22,508	76,675	70,753	18,197	12,973	13,207	20,919	15,261	22,538
1987	Dry	12,008	12,405	15,102	13,746	19,291	22,744	9,360	10,801	13,469	17,575	9,304	8,684
1988	Critical	7,832	7,734	17,578	25,017	13,272	7,429	11,357	9,096	10,763	16,122	9,700	6,702
1989	Dry	6,623	9,569	9,950	12,280	8,836	45,554	21,142	13,700	13,635	20,815	14,929	15,874
1990	Critical	9,897	9,181	11,161	18,385	13,394	12,269	11,389	7,988	8,003	17,815	10,504	6,894
1991	Critical	6,595	6,686	7,178	9,622	8,974	28,662	11,736	7,175	9,636	17,319	9,744	6,839
1992	Critical	6,547	6,571	6,595	10,393	27,981	18,326	11,166	9,475	13,709	14,472	10,417	7,616
1993	Above Normal	7,687	6,672	12,614	46,928	48,090	38,962	37,441	26,004	26,197	19,732	16,502	22,741
1994	Critical	13,143	14,066	15,776	12,793	21,601	11,823	12,878	10,289	8,280	19,268	13,715	10,782
1995	Wet	7,610	8,338	15,277	63,129	49,950	77,297	50,308	58,378	38,017	17,074	18,026	23,060
1996	Wet	15,721	15,500	21,758	42,516	72,089	57,291	32,957	40,904	15,311	21,545	15,582	31,354
1997	Wet	11,700	17,547	50,710	77,914	51,973	22,127	16,219	12,074	12,569	24,528	16,387	29,110
1998	Wet	12,569	17,002	20,046	27,052	68,213	60,524	45,022	42,786	61,521	23,535	20,465	26,644
1999	Wet	16,292	26,805	34,938	38,329	61,291	54,456	22,713	18,634	16,895	21,508	15,902	26,628
2000	Above Normal	11,137	18,062	14,517	21,679	62,509	48,327	17,807	16,081	12,262	22,766	16,792	22,185
2001	Dry	9,217	14,020	14,261	16,671	23,517	22,303	11,493	9,349	13,401			

Change in Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
 Alternative 3 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	0	0	0	3	-9	-5	-3	-7	-13	12	13	10
1923	Below Normal	231	873	-251	23	21	25	-33	-496	-496	-8	-122	0
1924	Critical	1,503	-496	1,677	-4	-67	12	7	6	10	-4,530	33	4
1925	Dry	5	8	3	2	-11	-3	-6	-4	-1	-56	-142	-114
1926	Dry	-489	-226	-3	1	144	-1	-13	2	6	381	122	-55
1927	Wet	11	-83	1,389	-67	190	-17	13	8	4	-1	82	-22
1928	Above Normal	23	-42	0	2	1	-2	-10	0	1	-30	2	21
1929	Critical	-1	23	-1	3	2	-22	1	3	14	11	395	6
1930	Dry	4	2	13	12	10	-21	1	1	-5	2	-4	7
1931	Critical	421	417	339	1	2	2	0	-1	-35	-1,215	-86	-1
1932	Dry	-1	0	1	1	101	0	0	0	0	-2	1,842	1,038
1933	Critical	9	6	2	2	43	1	0	-250	1	-545	-24	-243
1934	Critical	-12	-7	-201	-51	7	8	1	2	4	-27	15	10
1935	Below Normal	9	27	-7	-1	-2	0	1	1	2	-5	-2	-1
1936	Below Normal	599	423	-1	18	-1,161	8	0	-2	-1	50	0	339
1937	Below Normal	1,585	-11	-142	-1	-726	5	-2	1	648	-23	1,012	-12
1938	Wet	4	0	289	-9	-433	2	-1	-2	-2	0	0	1,126
1939	Dry	-51	802	-542	29	0	15	11	-1	1	2	-385	-154
1940	Above Normal	-1	0	-43	10	-193	-9	-2	0	-1	-7	315	443
1941	Wet	11	-118	-442	-153	0	0	0	0	0	1	1	0
1942	Wet	-35	33	0	0	0	1	2	3	3	-1	-1	477
1943	Wet	-3	-16	4	-237	4	1	1	5	3	-26	-1	-3
1944	Dry	-2	635	-17	15	8	8	1	0	1	-93	12	-8
1945	Below Normal	-1	-14	-16	-14	2	-1	-498	-498	-495	1	-1	0
1946	Below Normal	-470	414	624	-13	164	-710	3	-1	177	1	1	0
1947	Dry	-75	1	0	0	0	9	0	1	0	1	-23	-42
1948	Below Normal	19	0	0	0	-3	0	0	-5	0	8	0	-4
1949	Dry	0	4	-2	-1	-1	5	0	0	0	0	-1	0
1950	Below Normal	-49	0	0	37	-1	0	0	0	0	-5	1	0
1951	Above Normal	-2	0	6	-1	0	0	0	0	1	0	0	0
1952	Wet	0	1	2	0	0	0	1	5	9	12	0	382
1953	Wet	65	1,433	-1,301	-285	6	3	1	0	-1	-1	-2	-3
1954	Above Normal	1	-144	2	109	29	2	0	0	0	0	1	0
1955	Dry	18	27	-1	0	1	0	0	-1	-1	-1	-14	-265
1956	Wet	1	5	15	19	0	0	0	0	0	0	0	29
1957	Above Normal	0	0	0	0	0	-23	0	0	0	0	0	0
1958	Wet	0	-1	0	0	0	0	1	0	0	2	0	2
1959	Below Normal	0	92	-2	-71	-21	-1	0	0	0	12	-2	-27
1960	Dry	-26	-60	-24	-2	-2	1	0	0	0	-1	44	4
1961	Dry	82	0	-6	0	0	0	0	0	0	0	-1	-1
1962	Below Normal	0	2	1	0	0	0	0	0	0	0	0	1
1963	Wet	1	0	0	-1	-3	0	0	0	0	1	0	-34
1964	Dry	14	0	-19	4	0	0	0	0	0	0	9	1
1965	Wet	12	0	0	0	0	1	5	0	0	4	2	3
1966	Below Normal	2	-178	5	-2	-1	190	35	0	0	14	0	-88
1967	Wet	3	-3	27	0	0	0	0	0	0	0	0	190
1968	Below Normal	-121	2,256	0	-167	-1,413	37	0	0	-36	44	4	1
1969	Wet	-267	-12	-18	60	0	0	0	0	0	14	0	-152
1970	Wet	133	0	13	0	0	0	0	0	10	-3	0	-76
1971	Wet	32	-53	15	-1	0	50	0	1	0	0	0	-1
1972	Below Normal	0	-8	1	0	0	9	0	0	0	0	0	1
1973	Above Normal	-2	1	0	0	0	0	0	0	0	-1	0	1,115
1974	Wet	-693	-273	1	0	-2	0	0	1	2	-1	0	543
1975	Wet	-7	-138	2	-2	-339	28	-2	-1	-1	0	-1	0
1976	Critical	27	31	0	-1	0	0	0	0	0	45	-49	2
1977	Critical	-50	-5	-10	5	-7	0	0	0	0	0	-10	0
1978	Above Normal	0	0	0	0	0	9	0	-1	4	11	9	11
1979	Below Normal	-3	1,388	29	25	-281	10	25	3	-1	-1	-1	1,347
1980	Above Normal	1,009	-535	22	-687	1	-4	-3	-3	-2	-7	-545	3,705
1981	Dry	-498	-1,898	0	-306	-1,084	-6	-4	-4	2	4	-51	-145
1982	Wet	160	394	-38	-26	0	0	0	0	0	0	-1	0
1983	Wet	-1	0	0	0	0	0	0	-1	-1	0	0	0
1984	Wet	0	0	0	-1	-1	-1	0	0	0	0	0	1
1985	Dry	0	-4	-1	-1	-1	-1	0	0	0	0	-1	0
1986	Wet	0	0	0	0	0	0	-1	0	0	0	1,158	-1,125
1987	Dry	6	417	-9	15	8	2	1	-1	-3	-217	-45	-5
1988	Critical	-1	0	-1	0	0	2	0	0	0	-37	-5	0
1989	Dry	0	-4	-3	-3	0	3	0	0	0	0	-104	-4
1990	Critical	21	-3	36	-2	-1	-1	0	0	0	0	2	0
1991	Critical	0	0	-3	4	-3	-2	-2	-1	0	-44	19	-4
1992	Critical	0	0	-3	-2	-2	-1	0	0	0	-8	-1	-5
1993	Above Normal	-1	0	-2	-1	-1	41	0	1	3	0	0	0
1994	Critical	0	-22	0	-2	-2	-1	0	0	0	0	3	0
1995	Wet	0	1	0	-1	0	0	0	0	0	-45	2	1
1996	Wet	-3	1,429	-480	-80	-100	6	-2	0	1	-2	-2	-2
1997	Wet	7	46	-23	0	0	0	0	0	-147	0	0	116
1998	Wet	170	-726	26	223	-17	0	1	4	3	5	5	5
1999	Wet	7	8	2	-1	-1	-1	-1	-1	-1	0	0	-135
2000	Above Normal	84	-50	10	-55	19	0	-1	-1	0	-1	1	2
2001	Dry	-7	-2	-158	-3	0	-1	0	0	1	175	-43	3
2002	Dry	0	-2	-1	4	-2	-1	0	0	0	0	-104	197
2003	Above Normal	0	-7	-72	1	-1	-1	-1	-1	0	0	0	4

X2 Position (Node X2_PRV)

Existing Condition (km)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	90	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	89
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	58	53	60	63	73	81	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	84	82	79	78	79	83	86	88	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	65	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	65	68	76	82	86	89
1946	Below Normal	90	90	56	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	49	57	70	83	74
1953	Wet	74	76	63	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	91	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	70	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	52	56	68	83	74
1968	Below Normal	74	76	81	71	52	58	67	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	51	58	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	68	77	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	91	83	78	50	47	49	61	65	70	78	84	81
1981	Dry	81	81	83	74	64	62	68	74	81	85	88	89
1982	Wet	90	71	49	48	48	48	47	52	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	64	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	54	62	73	74
1996	Wet	74	75	70	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	61	65	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	60	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

X2 Position (Node X2_PRV)

Alternative 3 (km)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	89	90	90	87	79	76	79	85	89	90	91	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	90
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	95	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	77	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	90	91	90	84	59	53	60	64	73	80	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	85	82	79	78	79	83	86	89	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	66	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	66	69	77	82	86	89
1946	Below Normal	90	90	55	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	50	57	70	83	74
1953	Wet	74	76	64	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	92	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	69	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	53	57	69	83	74
1968	Below Normal	74	76	81	71	52	58	68	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	52	59	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	69	78	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	90	84	79	50	47	50	61	65	70	78	84	81
1981	Dry	81	81	83	74	65	62	68	74	81	85	88	89
1982	Wet	90	70	49	48	48	48	47	53	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	65	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	55	62	74	74
1996	Wet	74	75	71	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	62	66	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	61	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

CalSim II Modeling Attachment: Alternative Plan 4, Existing Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

August 2014

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Alternative 4 (cfs)

		SVI											
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	401	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	354	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 4 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-64	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-33	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-14%	0%	0%	0%
1932	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-9%	0%	0%	0%
1978	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

**Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
Existing Condition (cfs)**

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,057	1,618	1,489	679	350	350	350	350	466	121	246	431
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	379
1927	Above Normal	1,015	1,618	352	494	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	485	350	350	350	350	466	121	100	1,190
1936	Above Normal	1,123	1,680	1,429	350	350	350	350	350	466	121	100	1,780
1937	Wet	2,556	2,817	3,437	1,420	350	350	350	350	466	198	482	2,460
1938	Wet	5,363	6,640	7,684	5,072	1,224	350	350	350	466	121	144	362
1939	Dry	1,015	358	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	973	350	350	350	350	350	466	121	100	2,361
1941	Wet	1,083	1,618	2,704	2,089	350	350	350	350	466	121	803	520
1942	Wet	1,015	1,618	350	402	350	350	350	350	466	121	2,192	651
1943	Wet	2,799	2,042	1,266	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	2,512
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	219	419	372
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	108	391
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	3,226	1,220	719
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	463
1952	Wet	2,207	3,064	4,691	3,444	350	350	350	350	466	121	201	378
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	2,210	4,253	724
1956	Wet	1,045	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	2,292	2,807	4,261	2,462	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	503
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	681	876
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	234	378
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	154	508
1967	Wet	1,095	3,064	4,095	3,379	3,869	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	2,199	3,546
1969	Wet	5,334	7,014	7,385	8,220	1,758	350	350	350	466	121	249	373
1970	Above Normal	1,032	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	1,424	445	350	350	350	350	466	121	1,294	422
1974	Wet	1,015	1,814	470	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	356	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	2,083
1978	Wet	2,404	4,393	4,479	4,962	1,727	350	350	350	466	121	245	396
1979	Above Normal	1,214	1,618	1,153	350	350	350	350	350	466	121	2,757	3,692
1980	Wet	2,168	1,618	1,658	2,265	1,092	350	350	350	466	121	118	365
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	1,139
1982	Wet	1,196	5,512	4,741	3,119	350	350	350	1,309	1,641	3,430	3,652	3,689
1983	Wet	5,582	7,467	7,667	9,052	5,367	350	350	350	889	3,112	886	373
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	4,798
1986	Wet	4,367	1,819	3,244	2,452	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	427
1993	Wet	1,047	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	181	720
1995	Wet	3,743	3,476	4,724	5,024	6,422	350	350	350	466	121	100	464
1996	Wet	2,549	1,668	1,012	496	350	350	350	350	466	2,241	10,309	2,294
1997	Wet	1,050	1,618	2,337	1,658	350	350	350	350	466	121	100	2,732
1998	Wet	2,344	2,839	3,986	4,979	5,121	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 4 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,078	1,682	454	663	695	622	512	507	618	288	119	443		
1923	Above Normal	1,078	1,682	454	663	695	622	512	317	288	288	298	189		
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1925	Below Normal	1,040	1,010	392	476	488	459	415	413	527	188	179	395		
1926	Dry	1,026	995	368	406	411	398	379	378	493	151	135	377		
1927	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	428		
1928	Below Normal	1,059	1,029	424	571	593	542	464	460	573	239	240	420		
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114		
1931	Critical	1,015	200	215	215	255	255	260	350	401	121	100	350		
1932	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	443		
1933	Dry	1,032	1,002	379	437	446	425	395	393	508	167	155	385		
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1935	Above Normal	1,075	1,680	450	651	682	611	506	501	612	282	291	425		
1936	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	100	362		
1937	Wet	1,078	1,618	383	663	695	622	512	507	618	121	100	573		
1938	Wet	3,814	4,411	4,612	4,813	1,158	475	480	475	596	246	225	362		
1939	Dry	1,015	408	443	630	658	593	495	490	602	270	277	420		
1940	Above Normal	1,077	1,681	453	658	690	618	510	504	615	216	100	377		
1941	Wet	1,078	1,682	1,762	1,971	695	622	512	507	618	220	100	443		
1942	Wet	1,078	1,682	454	663	695	622	512	507	618	288	100	443		
1943	Wet	1,078	1,682	454	663	695	622	512	507	618	288	298	428		
1944	Below Normal	1,061	1,032	427	582	605	551	470	466	578	245	247	422		
1945	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	443		
1946	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	443		
1947	Dry	1,054	1,024	415	546	566	520	451	448	561	225	224	399		
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362		
1949	Below Normal	1,016	985	352	355	356	355	353	353	469	124	103	364		
1950	Below Normal	1,052	1,022	412	536	555	511	446	443	556	121	100	411		
1951	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	377		
1952	Wet	1,078	1,618	1,658	1,658	475	475	480	475	596	246	225	362		
1953	Below Normal	1,015	1,046	451	653	684	613	507	502	613	283	292	441		
1954	Below Normal	1,042	1,011	394	484	497	466	419	417	531	192	184	397		
1955	Dry	1,024	994	366	398	403	391	375	374	489	146	130	350		
1956	Wet	1,015	1,682	1,762	1,971	695	622	512	507	618	288	298	443		
1957	Below Normal	1,074	1,045	449	646	676	607	503	498	609	279	287	439		
1958	Wet	1,078	1,682	1,658	1,787	475	475	480	475	596	246	225	362		
1959	Dry	1,015	1,030	424	572	595	543	465	461	574	240	241	405		
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114		
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362		
1962	Below Normal	1,076	1,680	451	653	684	613	507	502	613	283	292	441		
1963	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	428		
1964	Dry	1,016	351	351	354	355	354	352	352	469	123	102	364		
1965	Wet	1,078	1,682	454	663	695	622	512	507	618	288	298	443		
1966	Below Normal	1,064	1,035	432	596	621	563	477	473	585	252	255	426		
1967	Wet	1,078	1,618	1,658	1,658	1,444	475	480	475	520	246	225	350		
1968	Dry	1,015	407	443	628	656	591	494	489	601	269	100	1,921		
1969	Wet	3,874	4,375	4,718	6,294	1,683	475	480	475	596	246	100	362		
1970	Above Normal	1,015	1,049	454	663	695	622	512	507	618	288	298	443		
1971	Below Normal	1,061	1,031	427	580	604	550	469	465	578	244	246	407		
1972	Dry	1,016	985	351	354	355	354	352	352	469	123	102	364		
1973	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	298	443		
1974	Wet	1,078	1,682	350	663	695	622	512	507	618	288	298	443		
1975	Wet	1,078	1,682	454	663	695	622	512	317	288	288	298	189		
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104		
1977	Critical	130	150	190	190	230	230	210	350	354	121	100	362		
1978	Wet	1,015	1,618	1,658	1,971	1,512	622	512	507	618	288	298	443		
1979	Above Normal	1,078	1,682	454	663	695	622	512	507	618	288	100	350		
1980	Wet	1,015	1,618	1,762	1,971	868	622	512	507	618	288	298	443		
1981	Dry	1,072	1,043	446	637	666	599	498	493	605	274	281	437		
1982	Wet	1,078	1,618	1,658	1,787	475	475	480	475	1,493	3,029	3,497	3,530		
1983	Wet	5,449	7,290	7,488	8,475	5,281	475	480	350	857	3,087	861	350		
1984	Above Normal	1,015	1,682	454	663	695	622	512	507	618	288	298	443		
1985	Dry	1,061	1,031	426	579	603	549	469	465	577	243	245	422		
1986	Wet	1,015	1,618	1,658	1,971	695	622	512	507	618	288	298	443		
1987	Critical	1,016	351	352	357	358	356	354	354	470	125	104	352		
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362		
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350		
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362		
1993	Wet	1,078	1,682	1,762	1,971	695	622	512	507	618	288	298	443		
1994	Critical	1,015	351	351	353	353	352	351	351	468	122	101	363		
1995	Wet	1,078	1,618	2,903	1,971	5,873	622	512	507	618	288	298	428		
1996	Wet	1,078	1,682	906	663	695	622	512	507	618	288	5,805	1,246		
1997	Wet	1,078	1,682	2,070	1,971	695	622	512	507	618	288	298	443		
1998	Wet	1,078	1,618	1,658	1,658	4,839	475	480	475	596	217	225	362		
1999	Above Normal	1,015	1,682	454	663	695	622	512	507	618	288	298	428		
2000	Above Normal	1,074	1,679	449	647	677	607	504	499	610	279	288	439		
2001	Dry	1,026	995	368	405	410	398	378	377	493	150	134	377		
2002	Dry	1,016	984	351	353	353	353	352	351	468	122	102	363		
2003	Below Normal	1,057	1,662	421	562	584	534	460	n/a	n/a	n/a	n/a	n/a		

Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 4 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	21	65	-1,035	-16	345	272	162	157	151	167	-127	12
1923	Above Normal	63	65	105	313	345	272	162	157	151	167	199	78
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	25	26	42	126	139	109	65	63	61	67	80	33
1926	Dry	11	12	19	56	62	49	29	28	27	30	35	-2
1927	Above Normal	63	65	103	169	345	272	162	157	151	167	199	78
1928	Below Normal	44	46	74	221	243	192	114	111	107	118	140	57
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	-64	0	0	0
1932	Above Normal	63	65	105	313	345	272	162	157	151	167	199	81
1933	Dry	17	18	29	87	96	75	45	44	42	46	55	22
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	60	62	101	167	332	262	156	151	146	161	191	-765
1936	Above Normal	-45	2	-974	313	345	272	162	157	151	167	0	-1,418
1937	Wet	-1,479	-1,200	-3,055	-757	345	272	162	157	151	-77	-382	-1,887
1938	Wet	-1,548	-2,229	-3,073	-259	-66	126	130	126	130	126	81	0
1939	Dry	0	50	93	280	308	243	145	140	135	150	178	70
1940	Above Normal	62	64	-520	309	340	268	160	155	149	95	0	-1,984
1941	Wet	-5	65	-942	-118	345	272	162	157	151	100	-703	-77
1942	Wet	63	65	105	261	345	272	162	157	151	167	-2,093	-207
1943	Wet	-1,721	-360	-812	313	345	272	162	157	151	167	199	78
1944	Below Normal	46	48	77	232	255	201	120	116	112	124	147	-2,089
1945	Above Normal	63	65	105	313	345	272	162	157	151	69	-121	71
1946	Above Normal	63	65	105	313	345	272	162	157	151	167	190	53
1947	Dry	39	41	65	196	216	170	101	98	95	105	124	49
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	1	1	2	6	6	5	3	3	3	3	4	1
1950	Below Normal	37	38	62	186	205	162	96	93	90	-3,105	-1,121	-309
1951	Above Normal	63	65	105	313	345	272	162	157	151	167	199	-86
1952	Wet	-1,130	-1,446	-3,033	-1,786	126	126	130	126	130	126	24	-15
1953	Below Normal	0	63	101	304	334	263	157	152	147	162	192	78
1954	Below Normal	27	28	45	134	147	116	69	67	65	71	85	35
1955	Dry	10	10	16	48	53	42	25	24	23	-2,063	-4,123	-374
1956	Wet	-31	65	105	313	345	272	162	157	151	167	199	81
1957	Below Normal	59	61	99	296	326	257	153	148	143	158	188	77
1958	Wet	-1,214	-1,124	-2,604	-675	126	126	130	126	130	126	126	0
1959	Dry	0	46	74	223	245	193	115	111	107	119	141	56
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	61	63	101	303	334	263	157	152	147	162	192	-63
1963	Above Normal	63	65	105	313	345	272	162	157	151	167	199	78
1964	Dry	1	1	2	5	5	4	2	2	2	2	-579	-512
1965	Wet	63	65	105	313	345	272	162	157	151	167	64	65
1966	Below Normal	49	51	82	246	271	213	127	123	119	131	101	-82
1967	Wet	-18	-1,447	-2,437	-1,722	-2,425	126	130	126	54	126	126	0
1968	Dry	0	57	93	278	306	241	144	139	134	148	-2,099	-1,624
1969	Wet	-1,460	-2,639	-2,667	-1,926	-75	126	130	126	130	126	-150	-11
1970	Above Normal	-17	65	105	313	345	272	162	157	151	167	199	81
1971	Below Normal	46	48	77	231	254	200	119	115	111	123	146	58
1972	Dry	1	1	1	4	5	4	2	2	2	2	3	1
1973	Above Normal	63	65	-969	-218	345	272	162	157	151	167	-996	22
1974	Wet	63	-131	-120	313	345	272	162	157	151	167	199	81
1975	Wet	63	65	105	307	345	272	162	157	151	167	199	78
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	-33	0	0	-1,720
1978	Wet	-1,389	-2,775	-2,822	-2,991	-215	272	162	157	151	167	53	47
1979	Above Normal	-136	65	-698	313	345	272	162	157	151	167	-2,657	-3,342
1980	Wet	-1,153	0	105	-294	-224	272	162	157	151	167	181	79
1981	Dry	57	59	96	287	316	249	148	144	139	153	182	-703
1982	Wet	-119	-3,894	-3,084	-1,332	126	126	130	-834	-148	-400	-154	-159
1983	Wet	-133	-177	-180	-576	-86	126	130	0	-32	-25	-25	-23
1984	Above Normal	0	65	105	313	345	272	162	157	151	167	199	81
1985	Dry	46	47	77	229	253	199	119	115	111	123	146	-4,376
1986	Wet	-3,352	-202	-1,587	-482	345	272	162	157	151	167	199	81
1987	Critical	1	2	2	7	8	6	4	4	4	4	5	2
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-64
1993	Wet	30	65	105	313	345	272	162	157	151	167	199	81
1994	Critical	1	1	1	3	3	2	1	1	1	1	-80	-357
1995	Wet	-2,665	-1,859	-1,821	-3,053	-549	272	162	157	151	167	199	-35
1996	Wet	-1,472	14	-105	167	345	272	162	157	151	-1,953	-4,505	-1,048
1997	Wet	28	65	-267	313	345	272	162	157	151	167	199	-2,289
1998	Wet	-1,266	-1,222	-2,328	-3,321	-281	126	130	126	130	96	126	0
1999	Above Normal	0	65	105	313	345	272	162	157	151	167	199	78
2000	Above Normal	59	61	99	297	327	258	154	149	143	159	188	77
2001	Dry	11	11	18	55	61	48	28	28	27	29	35	14
2002	Dry	1	1	1	3	4	3	2	2	2	2	2	1
2003	Below Normal	43	44	71	213	234	184	110	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	2%	4%	-69%	-2%	99%	78%	46%	45%	32%	139%	-52%	3%
1923	Above Normal	6%	4%	30%	90%	99%	78%	46%	98%	111%	139%	200%	71%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	2%	3%	12%	36%	40%	31%	19%	18%	13%	56%	80%	9%
1926	Dry	1%	1%	5%	16%	18%	14%	8%	8%	6%	25%	36%	-1%
1927	Above Normal	6%	4%	29%	34%	99%	78%	46%	45%	32%	139%	200%	22%
1928	Below Normal	4%	5%	21%	63%	70%	55%	33%	32%	23%	98%	141%	16%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-14%	0%	0%	0%
1932	Above Normal	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1933	Dry	2%	2%	8%	25%	27%	22%	13%	12%	9%	38%	55%	6%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	6%	4%	29%	34%	95%	75%	45%	43%	31%	133%	192%	-64%
1936	Above Normal	-4%	0%	-68%	90%	99%	78%	46%	45%	32%	139%	0%	-80%
1937	Wet	-58%	-43%	-89%	-53%	99%	78%	46%	45%	32%	-39%	-79%	-77%
1938	Wet	-29%	-34%	-40%	-5%	-5%	36%	37%	36%	28%	104%	56%	0%
1939	Dry	0%	14%	27%	80%	88%	69%	41%	40%	29%	124%	178%	20%
1940	Above Normal	6%	4%	-53%	88%	97%	77%	46%	44%	32%	79%	0%	-84%
1941	Wet	0%	4%	-35%	-6%	99%	78%	46%	45%	32%	83%	-88%	-15%
1942	Wet	6%	4%	30%	65%	99%	78%	46%	45%	32%	139%	-95%	-32%
1943	Wet	-61%	-18%	-64%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1944	Below Normal	5%	5%	22%	66%	73%	58%	34%	33%	24%	103%	148%	-83%
1945	Above Normal	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	-29%	19%
1946	Above Normal	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	175%	14%
1947	Dry	4%	4%	19%	56%	62%	49%	29%	28%	20%	87%	125%	14%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	1%	2%	2%	1%	1%	1%	1%	2%	4%	0%
1950	Below Normal	4%	4%	18%	53%	59%	46%	28%	27%	19%	-96%	-92%	-43%
1951	Above Normal	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	200%	-19%
1952	Wet	-51%	-47%	-65%	-52%	36%	36%	37%	36%	28%	104%	12%	-4%
1953	Below Normal	0%	6%	29%	87%	96%	75%	45%	43%	31%	134%	193%	22%
1954	Below Normal	3%	3%	13%	38%	42%	33%	20%	19%	14%	59%	85%	10%
1955	Dry	1%	1%	5%	14%	15%	12%	7%	7%	5%	-93%	-97%	-52%
1956	Wet	-3%	4%	6%	19%	99%	78%	46%	45%	32%	139%	200%	22%
1957	Below Normal	6%	6%	28%	85%	93%	73%	44%	42%	31%	131%	189%	21%
1958	Wet	-53%	-40%	-61%	-27%	36%	36%	37%	36%	28%	104%	126%	0%
1959	Dry	0%	5%	21%	64%	70%	55%	33%	32%	23%	98%	142%	16%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	6%	4%	29%	87%	96%	75%	45%	43%	31%	134%	193%	-12%
1963	Above Normal	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1964	Dry	0%	0%	0%	1%	1%	1%	1%	1%	0%	2%	-85%	-58%
1965	Wet	6%	4%	30%	90%	99%	78%	46%	45%	32%	139%	27%	17%
1966	Below Normal	5%	5%	23%	70%	77%	61%	36%	35%	25%	109%	65%	-16%
1967	Wet	-2%	-47%	-60%	-51%	-63%	36%	37%	36%	12%	104%	126%	0%
1968	Dry	0%	16%	27%	79%	87%	69%	41%	40%	29%	123%	-95%	-46%
1969	Wet	-27%	-38%	-36%	-23%	-4%	36%	37%	36%	28%	104%	-60%	-3%
1970	Above Normal	-2%	7%	30%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1971	Below Normal	5%	5%	22%	66%	73%	57%	34%	33%	24%	102%	147%	16%
1972	Dry	0%	0%	0%	1%	1%	1%	1%	1%	0%	2%	3%	0%
1973	Above Normal	6%	4%	-68%	49%	99%	78%	46%	45%	32%	139%	-77%	5%
1974	Wet	6%	-7%	-26%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1975	Wet	6%	4%	30%	86%	99%	78%	46%	98%	111%	139%	200%	71%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-9%	0%	0%	-83%
1978	Wet	-58%	-63%	-63%	-60%	-12%	78%	46%	45%	32%	139%	22%	12%
1979	Above Normal	-11%	4%	-61%	90%	99%	78%	46%	45%	32%	139%	-96%	-91%
1980	Wet	-53%	0%	6%	-13%	-21%	78%	46%	45%	32%	139%	154%	22%
1981	Dry	6%	6%	27%	82%	90%	71%	42%	41%	30%	127%	183%	-62%
1982	Wet	-10%	-71%	-65%	-43%	36%	36%	37%	-64%	-9%	-12%	-4%	-4%
1983	Wet	-2%	-2%	-2%	-6%	-2%	36%	37%	0%	-4%	-1%	-3%	-6%
1984	Above Normal	0%	4%	30%	90%	99%	78%	46%	45%	32%	139%	200%	22%
1985	Dry	5%	5%	22%	66%	72%	57%	34%	33%	24%	102%	146%	-91%
1986	Wet	-77%	-11%	-49%	-20%	99%	78%	46%	45%	32%	139%	200%	22%
1987	Critical	0%	0%	1%	2%	2%	2%	1%	1%	1%	3%	5%	1%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1993	Wet	3%	4%	6%	19%	99%	78%	46%	45%	32%	139%	200%	22%
1994	Critical	0%	0%	0%	1%	1%	1%	0%	0%	0%	1%	-44%	-50%
1995	Wet	-71%	-53%	-39%	-61%	-9%	78%	46%	45%	32%	139%	200%	-8%
1996	Wet	-58%	1%	-10%	34%	99%	78%	46%	45%	32%	-87%	-44%	-46%
1997	Wet	3%	4%	-11%	19%	99%	78%	46%	45%	32%	139%	200%	-84%
1998	Wet	-54%	-43%	-58%	-67%	-5%	36%	37%	36%	28%	80%	126%	0%
1999	Above Normal	0%	4%	30%	90%	99%	78%	46%	45%	32%	139%	200%	22%
2000	Above Normal	6%	4%	28%	85%	93%	74%	44%	42%	31%	131%	189%	21%
2001	Dry	1%	1%	5%	16%	17%	14%	8%	8%	6%	24%	35%	4%
2002	Dry	0%	0%	0%	1%	1%	1%	0%	0%	0%	1%	2%	0%
2003	Below Normal	4%	3%	20%	61%	67%	53%	31%	n/a	n/a	n/a	n/a	n/a

Simulated Merced River Inflow to San Joaquin River (Node C566)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	684	582	159	757	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	49	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	494	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	329	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	82	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	117	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	640	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,414	236	145	338	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,022	435	558	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	223	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	521	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	426	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	747	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	478	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,390	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	394	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	83	44
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,071	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	385	240	149	114	390
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Merced River Inflow to San Joaquin River (Node C566)

Alternative 4 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453		
1923	Above Normal	469	304	962	1,270	1,017	261	209	685	582	159	756	598		
1924	Critical	593	385	382	396	320	273	253	43	63	88	45	49		
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54		
1926	Dry	266	354	375	375	336	271	493	621	61	51	37	51		
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89		
1928	Below Normal	426	352	389	361	493	341	330	202	271	179	88	80		
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92		
1930	Critical	276	367	359	361	375	303	675	346	31	53	35	93		
1931	Critical	276	385	372	382	408	292	99	98	84	124	76	75		
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58		
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30		
1934	Critical	298	383	405	466	469	311	416	283	113	113	66	29		
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55		
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441		
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446		
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596		
1939	Dry	833	397	383	443	509	453	641	583	135	67	73	68		
1940	Above Normal	331	424	418	573	489	280	419	1,413	236	145	337	416		
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508		
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509		
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,132	435	449	941	490		
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88		
1945	Above Normal	357	489	446	441	2,450	834	450	729	222	934	937	421		
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81		
1947	Dry	520	532	963	621	869	323	516	101	147	65	80	76		
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97		
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70		
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77		
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63		
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621		
1953	Below Normal	450	428	334	1,080	727	358	427	267	190	140	126	55		
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81		
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55		
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610		
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81		
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675		
1959	Dry	483	395	382	395	564	335	748	651	172	107	116	94		
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49		
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40		
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78		
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158		
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77		
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285		
1966	Below Normal	474	866	812	1,055	724	346	480	345	257	206	165	79		
1967	Wet	293	366	400	408	424	1,388	1,756	2,666	4,147	4,063	1,494	797		
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130		
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711		
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150		
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102		
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18		
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574		
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	393	841	1,054	586		
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533		
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136		
1977	Critical	354	311	322	373	253	234	569	361	173	130	81	44		
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369		
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443		
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583		
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97		
1982	Wet	401	405	414	484	2,070	2,297	4,921	3,385	1,922	2,249	1,390	1,170		
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100		
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217		
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100		
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737		
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87		
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52		
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67		
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26		
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10		
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11		
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640		
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2		
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509		
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480		
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	446	240	149	114	327		
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759		
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100		
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59		
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25		
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2		
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41		

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			515	1,062	1,438	1,170	3,946	3,113	2,023	1,919	3,615	1,475	951	940
1923	Above Normal			726	1,319	2,082	2,462	2,252	1,534	2,485	1,260	907	278	840	1,148
1924	Critical			769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal			484	1,053	780	708	1,967	1,769	2,015	1,021	494	145	132	536
1926	Dry			512	1,032	817	728	1,310	1,333	1,872	939	192	61	90	534
1927	Above Normal			503	1,312	918	848	2,869	1,908	2,183	1,082	446	205	166	576
1928	Below Normal			745	1,458	946	919	1,499	1,996	1,502	480	403	190	141	562
1929	Critical			516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical			491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical			420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal			431	945	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry			481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical			476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal			465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal			644	1,134	812	921	7,929	2,382	2,860	1,918	470	340	902	937
1937	Wet			982	1,170	909	1,616	10,479	4,847	3,471	5,652	952	696	892	949
1938	Wet			690	1,321	3,705	3,085	13,421	17,288	9,804	13,009	9,480	2,490	1,293	1,126
1939	Dry			1,148	1,382	874	869	1,429	1,810	1,071	889	283	93	126	632
1940	Above Normal			609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet			708	1,121	2,368	2,345	8,907	4,884	3,560	5,828	4,214	1,919	1,186	1,029
1942	Wet			985	1,357	2,203	3,126	3,378	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet			742	1,572	1,291	5,894	3,405	8,308	3,029	1,737	658	610	1,022	977
1944	Below Normal			723	1,335	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal			614	1,345	937	843	6,340	3,365	2,303	1,161	521	1,003	1,003	917
1946	Above Normal			1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	206	194	568
1947	Dry			779	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal			586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal			595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal			547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal			595	1,947	6,680	4,077	2,852	1,943	1,771	850	464	223	182	551
1952	Wet			598	1,141	1,261	4,547	2,644	6,515	4,672	9,170	6,072	2,094	1,316	1,134
1953	Below Normal			689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal			590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry			535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet			531	1,084	5,651	10,548	5,009	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal			828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet			698	1,066	864	932	2,167	5,779	9,122	7,615	4,760	1,844	1,226	1,189
1959	Dry			722	1,069	808	788	1,632	1,444	1,473	848	270	117	169	668
1960	Critical			527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical			429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal			480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal			601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry			705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet			621	1,161	1,751	3,549	1,561	1,707	2,840	1,543	701	327	336	789
1966	Below Normal			713	2,088	1,482	1,676	1,714	1,525	1,267	590	372	232	218	561
1967	Wet			513	1,087	1,556	1,168	1,561	3,515	8,592	8,332	7,405	6,065	1,596	1,302
1968	Dry			986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet			523	1,152	1,006	7,382	16,131	12,297	12,746	15,291	14,063	3,062	1,334	1,234
1970	Above Normal			1,124	1,277	935	5,402	2,453	2,814	1,631	1,156	519	292	288	637
1971	Below Normal			625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry			588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal			547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet			1,127	1,614	1,700	3,304	1,791	3,038	2,610	2,485	591	905	1,120	1,073
1975	Wet			930	1,173	868	716	3,487	3,211	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical			1,314	982	805	736	927	1,234	740	415	269	156	232	614
1977	Critical			506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet			442	772	802	1,986	5,563	6,239	9,003	6,666	8,429	2,704	1,381	1,927
1979	Above Normal			731	1,320	883	2,422	3,699	3,939	2,311	1,682	546	322	797	930
1980	Wet			965	1,096	835	8,667	11,878	7,878	2,410	2,244	4,000	2,374	1,314	1,069
1981	Dry			851	1,203	886	970	1,257	1,813	1,583	746	338	195	221	580
1982	Wet			681	1,160	921	1,862	4,221	5,874	14,647	9,622	4,541	2,356	1,492	1,775
1983	Wet			1,684	5,177	11,197	14,233	17,664	22,797	13,906	13,974	18,260	11,028	2,570	1,705
1984	Above Normal			1,909	5,396	10,022	6,043	6,327	1,899	1,792	1,258	466	327	359	703
1985	Dry			812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet			669	1,133	915	815	11,828	13,251	5,080	5,207	3,304	984	1,179	1,232
1987	Critical			816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical			592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical			472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical			557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical			482	913	664	595	842	2,046	916	233	147	0	11	318
1992	Critical			476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet			390	866	721	3,073	2,259	2,542	1,859	1,671	3,144	1,594	1,184	1,127
1994	Critical			1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet			423	927	656	2,423	2,092	10,475	6,197	9,824	9,607	9,191	1,785	1,031
1996	Wet			697	1,218	840	1,432	5,231	4,294	2,482	2,240	463	461	1,001	984
1997	Wet			881	2,179	9,675	32,141	8,846	2,564	2,249	2,231	1,581	184	178	875
1998	Wet			628	1,119	814	2,665	13,014	6,322	7,551	8,215	11,954	9,055	1,586	1,280
1999	Above Normal			1,008	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal			540	1,031	729	882	4,929	3,299	2,366	1,680	419	197	195	563
2001	Dry			751	1,185	819	800	1,326	1,850	1,249	433	343	101	154	516
2002	Dry			469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal			447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Alternative 4 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	515	1,062	1,438	1,170	3,961	3,141	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,268	2,210	1,534	2,485	1,260	907	278	839	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,020	494	145	131	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	938	193	61	91	534
1927	Above Normal	503	1,312	918	848	2,868	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,505	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	884	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,377	2,382	2,814	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	9,168	4,059	2,331	2,977	952	696	982	949
1938	Wet	690	1,321	3,705	2,851	11,455	15,757	7,687	10,090	9,234	2,490	1,293	1,126
1939	Dry	1,238	1,382	874	869	1,429	1,810	1,071	890	283	93	126	632
1940	Above Normal	609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,344	7,027	4,911	3,560	5,056	4,061	1,919	1,186	1,029
1942	Wet	1,048	1,357	2,203	2,523	3,186	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	3,787	3,286	6,376	2,798	1,611	658	502	1,022	977
1944	Below Normal	723	1,327	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	4,791	3,365	2,304	1,161	520	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	205	194	568
1947	Dry	778	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	3,712	3,170	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,413	2,684	6,068	3,452	6,289	4,375	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	3,991	6,783	4,667	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,226	7,674	5,359	4,251	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,475	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,423	1,561	1,707	2,840	1,543	701	327	335	788
1966	Below Normal	713	2,088	1,482	1,676	1,713	1,525	1,268	590	371	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,513	7,307	6,016	5,769	4,236	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	5,388	14,461	10,910	10,239	12,758	12,233	2,928	1,334	1,234
1970	Above Normal	1,133	1,277	935	5,392	2,453	2,757	1,631	1,156	519	293	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	282	242	584
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	2,557	1,791	3,038	2,566	2,485	590	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,157	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	984	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	740	802	1,986	4,325	4,935	6,368	3,990	5,547	2,704	1,380	1,927
1979	Above Normal	731	1,320	883	2,422	3,608	3,773	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	6,156	8,102	6,780	2,410	2,244	3,682	2,374	1,314	1,069
1981	Dry	851	1,234	886	970	1,257	1,813	1,584	746	338	194	221	580
1982	Wet	681	1,160	921	1,862	4,100	5,721	10,873	6,693	3,409	2,356	1,492	1,775
1983	Wet	1,684	5,023	10,510	13,274	17,467	22,670	13,738	13,804	17,712	11,004	2,570	1,705
1984	Above Normal	1,909	5,363	9,997	6,018	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	7,865	9,824	4,889	3,699	2,808	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,254	2,542	1,859	1,670	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,417	2,092	8,593	4,434	8,099	6,662	8,401	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,223	3,577	2,439	2,240	463	461	1,001	984
1997	Wet	881	2,131	7,097	27,502	7,760	2,564	2,242	1,988	1,581	184	178	813
1998	Wet	628	1,119	814	2,653	10,827	5,249	6,392	6,006	8,808	8,851	1,586	1,280
1999	Above Normal	1,061	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,811	3,212	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,248	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579		
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587		
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353		
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408		
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405		
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582		
1928	Below Normal	733	615	613	601	621	3,248	1,208	938	404	378	388	410		
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363		
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368		
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354		
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578		
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414		
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353		
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587		
1936	Above Normal	733	609	597	593	674	3,472	3,236	1,433	660	647	565	582		
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586		
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597		
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412		
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528		
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547		
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704		
1943	Wet	814	641	627	3,422	3,255	6,231	3,690	1,509	2,014	1,073	501	436		
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359		
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572		
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580		
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345		
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344		
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343		
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370		
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370		
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591		
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400		
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369		
1955	Dry	468	385	420	702	365	481	845	794	338	352	341	361		
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574		
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405		
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646		
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366		
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321		
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235		
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408		
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515		
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280		
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762		
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242		
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674		
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330		
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508		
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426		
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358		
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284		
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512		
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,606	1,354	3,321	1,039	475	657		
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569		
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280		
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153		
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436		
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516		
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697		
1981	Dry	743	775	519	693	579	779	867	743	316	321	348	341		
1982	Wet	439	421	600	955	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367		
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081		
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599		
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359		
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662		
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253		
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177		
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212		
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212		
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188		
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175		
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404		
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186		
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792		
1996	Wet	758	451	430	538	5,666	4,888	2,771	2,678	3,078	794	483	533		
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486		
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560		
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506		
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721		
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300		
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296		
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269		

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)

Alternative 4 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,207	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,474	3,274	1,433	660	611	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,720	1,494	1,999	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	338	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,617	1,349	3,316	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	866	743	316	321	348	341
1982	Wet	439	421	600	956	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,802	2,648	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,352	1,692	2,037	1,774	4,632	3,746	5,421	3,695	12,191	3,447	1,605	1,623
1923	Above Normal	1,564	1,915	2,905	4,441	4,211	2,398	5,571	2,710	1,563	900	1,485	1,839
1924	Critical	1,617	1,485	1,406	1,338	1,482	1,756	778	551	297	286	334	704
1925	Below Normal	935	1,495	1,220	1,135	2,421	2,272	3,748	2,749	1,018	569	599	1,044
1926	Dry	1,174	1,559	1,294	1,193	1,795	1,827	2,870	1,870	625	479	553	1,036
1927	Above Normal	1,097	1,761	1,370	1,305	3,388	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal	1,597	2,074	1,559	1,520	2,150	5,272	2,799	1,501	855	615	609	1,072
1929	Critical	1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical	970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical	898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal	876	1,381	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry	1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical	1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal	922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal	1,494	1,744	1,409	1,514	8,604	5,888	6,183	3,453	1,185	1,034	1,545	1,620
1937	Wet	1,832	1,818	1,509	2,207	14,261	9,350	7,014	7,218	1,637	1,294	1,534	1,633
1938	Wet	1,537	1,967	5,627	4,698	20,533	25,108	15,341	18,530	13,950	6,239	1,957	1,830
1939	Dry	2,198	2,060	1,478	1,463	2,334	3,232	1,932	1,742	722	521	599	1,148
1940	Above Normal	1,206	1,605	1,284	2,655	3,295	6,192	6,204	3,126	1,251	867	995	1,530
1941	Wet	1,463	1,673	3,124	3,613	13,919	9,811	8,168	7,138	5,546	4,522	1,891	1,680
1942	Wet	1,792	1,958	2,851	6,406	6,813	5,076	6,825	6,271	6,002	5,140	1,929	1,805
1943	Wet	1,674	2,214	1,918	9,317	6,662	14,541	6,808	3,349	2,729	1,743	1,612	1,517
1944	Below Normal	1,594	1,946	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	668	1,026
1945	Above Normal	1,257	1,798	1,326	1,372	8,860	7,336	4,666	2,673	1,113	1,743	1,720	1,592
1946	Above Normal	1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	877	1,249
1947	Dry	1,556	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	444	564	1,003
1948	Below Normal	1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal	1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	553	616	997
1950	Below Normal	1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal	1,227	2,154	11,476	7,838	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet	1,177	1,542	1,737	5,393	3,459	10,357	9,362	14,342	10,539	5,899	2,025	1,832
1953	Below Normal	1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	748	701	1,037
1954	Below Normal	1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,724	937	611	641	1,031
1955	Dry	1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet	1,041	1,484	6,092	17,719	9,177	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal	1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet	1,304	1,472	1,296	1,494	3,011	9,563	15,319	12,611	9,899	4,632	1,990	1,942
1959	Dry	1,593	1,616	1,390	1,413	2,599	2,765	2,344	1,701	677	508	579	1,140
1960	Critical	1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical	761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal	800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal	1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,118	1,261	937	856	1,279
1964	Dry	1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet	1,082	1,427	1,985	7,346	5,105	4,774	6,070	2,784	1,117	927	1,119	1,655
1966	Below Normal	1,414	2,580	3,592	2,781	3,757	2,647	2,109	1,362	670	526	540	903
1967	Wet	1,016	1,355	1,875	1,751	1,847	5,121	13,193	12,341	13,951	12,634	2,278	2,083
1968	Dry	1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet	1,038	1,520	1,295	8,849	21,587	16,230	17,946	22,182	21,658	6,938	1,885	1,850
1970	Above Normal	2,460	2,039	2,083	11,398	5,039	5,920	3,060	2,507	867	777	731	1,164
1971	Below Normal	1,415	1,620	1,579	1,524	1,672	2,997	2,969	2,323	925	659	668	1,041
1972	Dry	1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal	978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet	1,808	2,359	3,728	6,169	3,546	6,878	5,305	3,942	3,973	2,020	1,684	1,834
1975	Wet	2,118	2,290	1,657	1,360	5,808	6,901	4,768	3,307	5,171	2,545	1,798	1,690
1976	Critical	2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical	812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet	681	1,042	1,053	2,418	6,113	6,819	10,540	8,167	11,335	3,181	1,917	2,474
1979	Above Normal	1,241	2,031	1,495	3,468	7,356	8,246	4,437	7,387	1,086	923	1,503	1,547
1980	Wet	1,691	1,910	1,713	11,739	18,639	11,711	4,891	4,441	9,123	5,946	1,971	1,871
1981	Dry	1,711	2,006	1,406	1,664	1,867	2,623	2,538	1,572	700	560	647	1,019
1982	Wet	1,237	1,581	1,522	2,818	10,899	11,498	23,940	16,091	9,443	6,099	2,176	4,255
1983	Wet	4,980	8,330	16,538	19,516	24,390	38,925	19,077	21,966	22,643	17,358	5,528	3,899
1984	Above Normal	2,968	10,882	17,499	10,213	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry	1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet	1,120	1,496	1,272	1,099	14,502	21,309	8,086	8,552	7,044	1,686	1,805	1,998
1987	Critical	2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	402	813
1988	Critical	857	1,319	1,051	1,051	1,236	1,490	953	764	361	160	251	687
1989	Critical	686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical	796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical	717	1,179	887	803	1,102	2,520	1,400	808	274	140	209	514
1992	Critical	710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet	626	1,101	939	3,854	2,741	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical	1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet	677	1,146	879	2,941	2,245	18,465	11,008	19,443	14,781	17,595	3,657	1,928
1996	Wet	1,573	1,697	1,271	1,971	10,899	9,216	5,341	5,029	3,594	1,310	1,570	1,620
1997	Wet	1,591	2,705	15,970	49,876	12,565	5,392	3,557	3,569	2,118	741	752	1,465
1998	Wet	1,438	1,457	1,246	3,606	20,288	11,420	11,512	13,886	19,029	15,856	2,196	1,947
1999	Above Normal	2,090	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	859	1,227
2000	Above Normal	1,246	1,500	1,073	1,316	8,852	7,050	4,502	3,360	2,228	734	967	1,385
2001	Dry	1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry	906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal	876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Alternative 4 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,352	1,692	2,037	1,774	4,646	3,774	5,421	3,695	12,190	3,447	1,605	1,623
1923	Above Normal	1,564	1,915	2,905	4,247	4,169	2,398	5,571	2,710	1,562	899	1,484	1,839
1924	Critical	1,617	1,485	1,406	1,338	1,482	1,756	778	552	297	287	334	704
1925	Below Normal	936	1,495	1,220	1,135	2,421	2,272	3,748	2,748	1,017	567	597	1,043
1926	Dry	1,173	1,559	1,294	1,193	1,795	1,827	2,871	1,870	626	481	554	1,036
1927	Above Normal	1,097	1,761	1,370	1,305	3,387	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal	1,597	2,074	1,559	1,520	2,150	5,272	2,800	1,501	855	615	609	1,072
1929	Critical	1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical	970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical	898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal	876	1,320	2,028	1,682	4,127	2,297	3,634	2,438	1,095	752	713	1,074
1933	Dry	1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	727	449	507	875
1934	Critical	1,072	1,415	1,216	1,230	1,730	1,783	982	814	378	287	333	711
1935	Above Normal	922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	888	823	1,227
1936	Above Normal	1,494	1,744	1,409	1,514	8,052	5,889	6,182	3,453	1,185	997	1,545	1,620
1937	Wet	1,832	1,818	1,509	2,207	12,951	8,562	5,874	4,542	1,637	1,294	1,534	1,633
1938	Wet	1,537	1,967	5,627	4,464	18,567	23,577	13,223	15,611	13,704	6,239	1,957	1,830
1939	Dry	2,288	2,060	1,478	1,463	2,334	3,232	1,932	1,741	721	519	598	1,148
1940	Above Normal	1,205	1,605	1,284	2,655	3,294	6,192	6,204	3,126	1,252	868	996	1,531
1941	Wet	1,463	1,673	3,124	3,612	12,039	9,838	8,168	6,366	5,392	4,521	1,891	1,680
1942	Wet	1,855	1,958	2,851	5,802	6,622	5,076	6,825	6,271	6,002	5,139	1,929	1,805
1943	Wet	1,674	2,214	1,918	7,210	6,544	12,609	6,619	3,207	2,714	1,634	1,611	1,517
1944	Below Normal	1,594	1,938	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	667	1,026
1945	Above Normal	1,257	1,798	1,326	1,372	7,311	7,336	4,666	2,673	1,112	1,743	1,720	1,591
1946	Above Normal	1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	876	1,249
1947	Dry	1,555	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	445	564	1,003
1948	Below Normal	1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal	1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	554	616	997
1950	Below Normal	1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal	1,227	2,154	8,509	6,930	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet	1,177	1,542	1,737	5,260	3,499	9,910	8,155	11,460	8,843	5,899	2,025	1,832
1953	Below Normal	1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	747	701	1,037
1954	Below Normal	1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,725	937	612	641	1,031
1955	Dry	1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet	1,041	1,484	4,432	13,954	8,835	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal	1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet	1,304	1,472	1,296	1,494	3,011	9,011	13,884	10,355	9,389	4,631	1,989	1,942
1959	Dry	1,593	1,616	1,390	1,413	2,599	2,765	2,346	1,701	677	508	579	1,140
1960	Critical	1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical	761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal	800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal	1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,117	1,261	937	856	1,279
1964	Dry	1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet	1,082	1,427	1,985	7,221	5,105	4,774	6,069	2,784	1,116	926	1,118	1,654
1966	Below Normal	1,414	2,580	3,592	2,781	3,757	2,647	2,110	1,361	670	525	539	903
1967	Wet	1,016	1,355	1,875	1,751	1,847	5,120	11,922	10,026	12,315	10,805	2,278	2,083
1968	Dry	1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet	1,038	1,520	1,295	6,854	19,917	14,843	15,438	19,648	19,828	6,805	1,885	1,850
1970	Above Normal	2,469	2,039	2,083	11,387	5,039	5,863	3,060	2,507	867	777	731	1,164
1971	Below Normal	1,415	1,620	1,579	1,524	1,672	2,987	2,969	2,323	925	659	668	1,041
1972	Dry	1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal	978	1,655	1,412	1,662	4,382	3,842	4,181	3,822	1,801	1,118	1,695	1,675
1974	Wet	1,808	2,359	3,728	5,421	3,546	6,878	5,283	3,936	3,967	2,019	1,683	1,834
1975	Wet	2,118	2,290	1,657	1,360	5,807	6,847	4,768	3,307	5,172	2,545	1,798	1,690
1976	Critical	2,785	1,823	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical	812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet	681	1,011	1,053	2,418	4,875	5,515	7,905	5,490	8,453	3,179	1,916	2,473
1979	Above Normal	1,241	2,031	1,495	3,468	7,265	8,080	4,437	7,387	1,086	923	1,503	1,547
1980	Wet	1,691	1,910	1,713	9,228	14,863	10,612	4,892	4,441	8,805	5,946	1,971	1,871
1981	Dry	1,711	2,037	1,406	1,664	1,867	2,623	2,538	1,572	699	559	646	1,019
1982	Wet	1,237	1,581	1,522	2,818	10,778	11,346	20,165	13,162	8,311	6,099	2,176	4,255
1983	Wet	4,980	8,176	15,851	18,556	24,193	38,798	18,909	21,795	22,095	17,334	5,528	3,899
1984	Above Normal	2,968	10,850	17,474	10,188	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry	1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet	1,120	1,496	1,272	1,099	10,539	17,882	7,895	7,045	6,548	1,686	1,805	1,998
1987	Critical	2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	401	813
1988	Critical	857	1,319	1,051	1,051	1,236	1,489	953	764	361	160	251	687
1989	Critical	686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical	796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical	717	1,179	887	803	1,102	2,520	1,400	808	274	139	209	514
1992	Critical	710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet	626	1,101	939	3,854	2,736	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical	1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet	677	1,146	879	2,935	2,245	16,583	9,244	17,716	11,835	16,802	3,655	1,927
1996	Wet	1,572	1,697	1,271	1,971	10,891	8,499	5,338	4,999	3,593	1,309	1,569	1,619
1997	Wet	1,591	2,657	13,393	45,238	11,479	5,392	3,555	3,325	2,118	741	752	1,403
1998	Wet	1,438	1,457	1,246	3,595	18,101	10,347	10,352	11,677	15,881	15,650	2,195	1,946
1999	Above Normal	2,143	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	860	1,227
2000	Above Normal	1,246	1,500	1,073	1,316	8,735	6,963	4,502	3,360	2,228	734	967	1,385
2001	Dry	1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry	906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal	876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	409	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,038	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,306
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	414	411	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	441	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	725	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,561	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,209	1,375	1,424	678	586	1,244
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,708	1,284	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,712	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,164	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	407	372	394
1982	Wet	951	263	291	387	2,141	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Alternative 4 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	408	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	430	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	406	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	721	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,060	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,284
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	413	410	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	442	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	724	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,560	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,211	1,375	1,424	678	586	1,242
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,709	1,283	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,713	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,163	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	406	372	394
1982	Wet	951	263	291	387	2,142	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)
Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,674	6,916	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,199	5,884	4,555	8,178	5,688	3,704	2,308	2,475	2,826
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,782	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,909	3,154	6,524	5,811	2,389	1,632	1,543	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,387	2,524	4,590	3,403	1,684	1,396	1,475	1,923
1927	Above Normal			2,310	2,481	2,056	2,100	4,105	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,226	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,857	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,752	2,124
1936	Above Normal			2,704	2,374	2,004	2,255	9,773	7,735	8,256	5,703	2,734	2,162	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	15,063	11,257	9,074	9,802	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,989	22,091	30,573	19,083	23,003	16,654	8,681	3,186	3,742
1939	Dry			3,884	2,946	2,284	2,426	3,053	3,836	3,890	3,511	1,646	1,423	1,535	2,062
1940	Above Normal			2,573	2,187	1,819	3,283	4,069	9,454	9,197	6,018	3,136	1,924	1,948	2,480
1941	Wet			2,890	2,378	3,909	4,589	15,152	13,633	11,281	11,335	8,124	6,419	2,937	2,678
1942	Wet			3,282	2,914	3,758	7,510	8,313	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,860	12,585	9,730	19,983	10,027	6,557	4,936	2,933	2,734	2,636
1944	Below Normal			3,163	2,804	2,347	2,392	3,217	3,847	5,291	4,208	2,300	1,621	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	9,767	10,149	7,006	5,714	3,140	3,064	2,793	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,872	1,854	2,176
1947	Dry			2,927	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	13,706	12,214	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,183	4,533	13,413	12,654	18,383	13,273	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,586	1,944	1,638	1,973
1954	Below Normal			2,571	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,591	3,454	2,757	1,717	1,401	1,310	1,425	1,791
1956	Wet			2,164	1,984	7,433	20,580	11,760	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,398	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	12,169	19,197	15,958	12,255	6,064	3,107	3,678
1959	Dry			3,137	2,423	2,175	2,281	4,061	3,561	4,365	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,313	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,586	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,940	6,458	5,829	8,558	5,218	2,985	1,935	2,139	2,612
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,407	2,769	1,580	1,399	1,358	1,686
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,512	16,042	15,499	16,178	15,023	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	9,639	24,219	21,599	21,738	25,964	25,803	9,851	4,226	4,041
1970	Above Normal			4,083	2,964	3,540	16,875	8,731	8,648	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	6,629	4,584	8,915	7,742	5,731	5,832	3,391	2,823	2,863
1975	Wet			3,661	3,086	2,478	2,348	6,465	8,980	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,359	1,279	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,484	1,500	3,086	6,714	8,120	13,545	11,698	12,675	4,351	2,890	3,354
1979	Above Normal			2,759	2,981	2,355	4,075	8,238	9,502	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	12,348	19,970	16,637	7,081	7,307	11,321	7,287	3,173	2,763
1981	Dry			3,395	2,885	2,045	2,240	2,478	3,434	4,580	3,656	1,711	1,505	1,446	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,458	15,884	28,326	19,415	11,929	8,432	4,669	7,487
1983	Wet			7,323	11,331	21,068	26,611	32,173	48,957	23,465	26,046	28,311	24,310	9,136	7,934
1984	Above Normal			4,879	16,567	24,066	15,447	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	15,427	27,272	12,254	11,543	9,576	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,995	1,138	847	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,842	3,822	3,815	3,770	8,155	4,318	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,700	3,427	20,103	13,128	22,852	16,328	19,518	4,764	2,947
1996	Wet			3,256	2,722	2,116	2,699	11,541	11,123	8,095	7,543	5,683	2,521	2,598	2,753
1997	Wet			3,203	3,640	18,846	60,096	23,048	10,630	5,981	6,306	4,009	1,896	2,023	2,824
1998	Wet			3,061	2,183	2,015	4,204	22,462	15,034	14,667	16,729	20,588	19,724	5,596	4,854
1999	Above Normal			4,520	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,918	2,037	2,376	2,767
2000	Above Normal			2,852	2,308	1,692	2,229	9,455	9,454	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal			1,889	1,850	1,854	1,7								

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Alternative 4 (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	2,665	2,231	2,770	2,643	5,689	6,944	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal	2,959	2,521	3,941	6,005	5,842	4,555	8,178	5,688	3,703	2,307	2,474	2,825
1924	Critical	3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,783	1,196	1,117	1,208	1,537
1925	Below Normal	2,076	2,060	1,852	1,742	2,910	3,154	6,524	5,810	2,388	1,629	1,541	1,950
1926	Dry	2,560	2,230	1,922	1,862	2,386	2,524	4,591	3,404	1,686	1,398	1,477	1,924
1927	Above Normal	2,310	2,481	2,056	2,100	4,104	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal	3,072	2,811	2,312	2,421	2,683	6,502	5,228	3,804	1,982	1,610	1,594	2,011
1929	Critical	2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical	2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical	2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal	1,952	1,797	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry	2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,683	1,673	1,367	1,436	1,769
1934	Critical	2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,769	1,251	1,126	1,072	1,441
1935	Above Normal	2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,063	1,757	2,123
1936	Above Normal	2,704	2,374	2,004	2,255	9,221	7,737	8,254	5,703	2,734	2,125	2,486	2,526
1937	Wet	3,087	2,438	2,168	2,999	13,753	10,468	7,957	7,126	3,439	2,414	2,478	2,538
1938	Wet	2,796	2,647	6,564	5,755	20,125	29,042	16,966	20,084	16,407	8,681	3,186	3,720
1939	Dry	3,973	2,946	2,284	2,426	3,053	3,836	3,890	3,510	1,644	1,420	1,533	2,061
1940	Above Normal	2,573	2,187	1,819	3,283	4,069	9,455	9,198	6,017	3,137	1,925	1,949	2,480
1941	Wet	2,891	2,378	3,909	4,589	13,272	13,660	11,280	10,564	7,971	6,418	2,937	2,678
1942	Wet	3,345	2,914	3,758	6,907	8,121	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet	3,217	2,961	2,861	10,478	9,611	18,051	9,838	6,415	4,921	2,824	2,733	2,636
1944	Below Normal	3,163	2,797	2,347	2,392	3,217	3,847	5,291	4,207	2,300	1,620	1,632	1,936
1945	Above Normal	2,668	2,497	2,153	2,345	8,218	10,149	7,006	5,713	3,139	3,063	2,792	2,628
1946	Above Normal	3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,871	1,854	2,176
1947	Dry	2,926	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal	2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal	2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal	2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal	2,385	2,821	10,739	11,306	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet	2,482	2,141	2,366	6,050	4,573	12,965	11,447	15,501	11,577	8,423	4,454	4,087
1953	Below Normal	3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,585	1,943	1,638	1,972
1954	Below Normal	2,570	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry	2,387	1,981	1,899	2,478	2,310	2,591	3,454	2,757	1,717	1,401	1,424	1,791
1956	Wet	2,164	1,984	5,773	16,815	11,418	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal	3,067	2,399	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet	2,712	2,191	1,983	2,180	3,750	11,616	17,764	13,702	11,746	6,062	3,106	3,676
1959	Dry	3,136	2,423	2,175	2,281	4,061	3,561	4,367	3,503	1,638	1,349	1,441	2,015
1960	Critical	2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,312	1,063	1,222	1,596
1961	Critical	1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal	1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal	2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry	2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,587	1,337	1,354	1,757
1965	Wet	2,250	2,043	2,863	8,815	6,458	5,829	8,558	5,218	2,984	1,934	2,138	2,611
1966	Below Normal	2,920	3,369	4,509	4,176	4,652	3,383	3,409	2,769	1,580	1,398	1,588	1,685
1967	Wet	2,133	1,873	2,659	2,784	3,427	7,511	14,772	13,184	14,543	13,194	3,435	3,279
1968	Dry	3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet	2,382	2,102	2,004	7,644	22,549	20,212	19,231	23,430	23,972	9,718	4,226	4,041
1970	Above Normal	4,092	2,964	3,540	16,865	8,731	8,590	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal	2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry	2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal	2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet	3,348	2,816	4,398	5,881	4,584	8,915	7,720	5,726	5,825	3,390	2,822	2,862
1975	Wet	3,661	3,085	2,478	2,348	6,465	8,926	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical	3,908	2,813	2,023	2,048	2,308	2,414	3,333	2,734	1,358	1,278	1,531	1,649
1977	Critical	2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet	1,461	1,452	1,500	3,086	5,476	6,816	10,910	9,021	9,792	4,349	2,888	3,353
1979	Above Normal	2,759	2,981	2,355	4,075	8,147	9,336	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet	3,216	2,573	2,139	9,837	16,194	15,539	7,081	7,306	11,003	7,287	3,173	2,763
1981	Dry	3,395	2,916	2,045	2,240	2,478	3,434	4,580	3,656	1,710	1,504	1,445	1,813
1982	Wet	2,643	2,164	2,126	3,636	13,338	15,732	24,552	16,486	10,797	8,432	4,669	7,487
1983	Wet	7,323	11,177	20,381	25,651	31,976	48,831	23,297	25,875	27,764	24,287	9,136	7,934
1984	Above Normal	4,879	16,534	24,040	15,421	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry	3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet	2,725	2,445	2,108	1,895	11,464	23,845	12,063	10,036	9,080	3,057	3,006	3,508
1987	Critical	4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical	2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,994	1,138	846	1,038	1,437
1989	Critical	1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical	1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical	1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical	1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet	1,414	1,526	1,394	4,705	3,837	3,822	3,815	3,770	8,155	4,317	2,345	2,644
1994	Critical	2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet	1,614	1,691	1,360	3,694	3,427	18,221	11,364	21,126	13,382	18,726	4,762	2,946
1996	Wet	3,256	2,721	2,116	2,699	11,533	10,405	8,092	7,512	5,682	2,519	2,597	2,753
1997	Wet	3,203	3,592	16,269	55,457	21,962	10,630	5,979	6,062	4,008	1,895	2,022	2,762
1998	Wet	3,061	2,183	2,015	4,193	20,274	13,961	13,507	14,520	17,441	19,518	5,596	4,853
1999	Above Normal	4,573	3,549	3,327	5,185	11,795	7,988	6,847	5,282	3,277	1,919	2,037	2,376
2000	Above Normal	2,852	2,308	1,692	2,229	9,338	9,367	6,662	5,669	4,057	1,778	1,952	2,565
2001	Dry	2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry	2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal	1,889	1,850	1,854	1,714	2,287	2,426	3,942	3,369	2,148	1,383	1,492	1,773

Simulated Exports Through Jones Pumping Plant (Node D418)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,216	4,510	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,055	4,263	4,270	3,572	4,430	3,040	1,016	800	3,387	4,600	4,100	4,600
1924	Critical	4,600	4,592	3,823	3,359	2,175	800	966	854	384	800	1,272	2,773
1925	Dry	3,098	1,214	3,996	3,197	2,382	2,624	1,080	959	3,035	4,408	3,764	3,431
1926	Dry	3,652	4,011	3,396	3,213	1,775	800	1,135	800	2,390	3,510	2,935	3,926
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,330	3,643
1928	Above Normal	2,926	4,092	4,600	3,440	2,182	4,288	863	800	2,558	3,900	4,600	4,252
1929	Critical	3,124	2,711	4,600	3,298	3,317	2,413	800	800	683	2,130	4,600	3,142
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,376	2,407	2,972
1931	Critical	3,211	3,300	3,177	3,184	3,622	1,224	800	800	390	600	1,239	2,870
1932	Dry	3,082	2,244	4,600	3,423	4,120	1,037	800	800	713	800	3,134	4,600
1933	Critical	3,157	2,907	4,072	3,895	1,739	1,397	800	800	579	800	4,525	4,287
1934	Critical	3,222	2,272	2,682	587	844	1,023	800	800	451	600	1,240	2,703
1935	Below Normal	2,794	3,225	4,204	3,511	2,922	2,500	850	800	3,017	3,455	1,875	4,478
1936	Below Normal	4,229	3,780	4,250	2,216	1,575	2,135	1,026	800	2,761	4,324	3,158	4,600
1937	Below Normal	4,241	4,200	4,044	2,264	1,151	1,126	1,129	1,218	1,451	3,296	2,512	4,600
1938	Wet	3,492	4,600	3,537	830	936	2,075	2,380	4,313	4,600	4,600	4,600	4,490
1939	Dry	3,905	800	4,600	3,398	4,322	1,774	800	800	448	4,600	3,436	4,359
1940	Above Normal	3,507	3,781	2,379	2,590	3,327	4,600	1,144	800	2,743	3,963	4,284	3,511
1941	Wet	3,288	3,132	4,248	3,993	4,600	4,600	1,405	1,410	3,950	4,600	4,600	4,600
1942	Wet	3,462	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,752	4,600	3,940	4,600	4,600	4,600	1,248	812	3,710	4,600	4,600	4,600
1944	Dry	3,666	4,488	4,269	3,399	3,692	2,466	873	800	1,868	4,244	2,859	3,263
1945	Below Normal	3,517	4,600	3,965	3,409	4,109	4,254	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,441	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,559	4,600	4,325	4,099	3,534	1,341	1,008	800	1,711	4,600	3,447	4,127
1948	Below Normal	3,626	4,467	3,549	2,022	800	2,530	800	800	2,681	3,804	4,600	4,600
1949	Dry	4,600	4,422	4,273	3,214	3,324	1,941	800	800	1,734	4,600	4,053	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,247	4,600	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,282	1,202	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,598	3,951	4,600	1,576	2,291	4,600	4,600	4,600	4,600
1953	Wet	3,341	4,476	4,600	3,168	3,884	3,708	847	800	1,938	4,600	4,600	4,600
1954	Above Normal	2,579	4,446	4,057	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,332	4,528	4,600	3,565	3,628	2,507	851	800	583	4,600	4,046	4,600
1956	Wet	3,368	4,095	4,600	4,600	4,600	1,840	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	3,997	2,395	1,989	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,456	2,168	3,070	3,287	1,078	857	1,664	4,584	4,600	3,542
1960	Dry	3,689	3,508	3,650	3,185	2,240	2,432	800	1,222	1,522	4,069	2,879	4,408
1961	Dry	3,617	4,164	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600
1962	Below Normal	3,450	3,997	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,222
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,887
1964	Dry	3,338	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,436
1967	Wet	3,889	3,784	3,806	3,725	3,622	4,483	2,000	1,930	4,600	4,600	4,600	4,566
1968	Below Normal	4,090	2,298	4,600	3,384	2,282	3,528	968	868	1,661	4,600	4,600	3,601
1969	Wet	4,071	4,016	4,600	4,435	4,502	1,992	2,711	4,005	4,600	4,600	4,600	4,143
1970	Wet	4,021	800	4,112	4,600	3,355	2,511	800	800	1,844	4,107	4,600	4,115
1971	Wet	3,557	2,595	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,905	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	2,657
1974	Wet	4,600	4,600	4,414	4,425	3,930	3,644	962	800	3,432	4,600	4,600	4,600
1975	Wet	4,374	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	3,983	4,600	3,724	4,600	2,947	1,294	800	439	2,590	980	1,720
1977	Critical	2,704	3,696	3,066	2,959	3,518	800	800	800	185	600	4,065	1,574
1978	Above Normal	2,408	1,592	2,921	2,880	4,600	4,600	1,688	1,456	4,600	4,600	4,600	4,600
1979	Below Normal	3,885	3,953	4,395	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,600	3,011	4,600	4,600	4,206	1,841	879	905	4,450	4,600	4,600	2,470
1981	Dry	4,180	4,600	4,600	3,391	3,394	2,923	1,134	898	1,648	4,600	3,913	4,600
1982	Wet	4,562	4,600	3,662	3,848	4,600	3,753	2,735	2,420	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	1,978	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,770	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,175	1,526	1,435	3,905	4,600	4,600	800
1987	Dry	2,980	1,618	4,324	3,296	3,360	2,351	800	800	1,631	4,486	2,815	3,262
1988	Critical	4,540	3,902	3,319	2,335	800	800	1,018	800	351	3,107	4,432	1,893
1989	Dry	2,748	2,941	3,077	3,172	1,125	1,207	1,130	815	2,355	4,600	2,444	4,378
1990	Critical	3,222	3,351	3,912	3,080	2,180	1,023	800	915	241	3,017	3,916	1,622
1991	Critical	3,262	2,939	2,921	800	1,931	1,276	1,021	856	1,069	2,201	3,685	2,127
1992	Critical	1,974	3,286	1,916	1,833	1,696	2,393	800	800	1,445	4,600	4,581	1,360
1993	Above Normal	1,925	2,681	3,426	3,138	4,136	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,467	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686
1995	Wet	2,546	4,141	3,450	2,992	3,630	4,600	1,635	4,337	4,600	4,600	4,600	4,600
1996	Wet	2,830	2,165	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600
1997	Wet	3,054	4,600	4,600	4,600	4,600	3,563	800	800	3,167	4,334	4,600	4,600
1998	Wet	3,194	2,628	4,600	3,006	4,600	4,600	1,827	2,083	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,042	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,911
2000	Above Normal	2,539	4,600	3,862	2,220	4,600	4,600	827	800	3,287	3,093	4,600	4,600
2001	Dry	2,798	4,600	3,966	3,464	3,050	2,973	1,002	800	1,617	4,600	3,161	3,459
2002	Dry	4,105	3,222	3,914	2,649	2,586	2,604	800	800	1,672	4,600	4,600	3,967
2003	Above Normal	4,197	4,389	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,681

Simulated Exports Through Jones Pumping Plant (Node D418)

Alternative 4 (cfs)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,219	4,517	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,166	4,600	4,270	3,522	4,248	3,044	1,016	800	3,053	4,600	3,986	4,600
1924	Critical	4,600	4,079	3,320	3,802	2,175	800	966	854	385	800	1,559	2,775
1925	Dry	3,096	1,215	3,997	3,197	2,382	2,626	1,080	959	2,698	4,361	3,911	3,356
1926	Dry	3,659	4,269	3,399	3,213	1,775	800	1,135	833	2,391	3,891	1,893	3,989
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	800	800	2,870	4,600	4,413	3,621
1928	Above Normal	2,952	4,078	4,600	3,440	2,182	4,288	863	800	2,558	3,892	4,600	4,267
1929	Critical	3,124	2,734	4,600	3,298	3,317	2,424	800	800	683	2,124	4,600	3,151
1930	Dry	3,372	2,738	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,388	2,408	2,968
1931	Critical	3,213	3,301	3,178	3,184	3,623	1,226	800	800	390	600	1,239	2,871
1932	Dry	3,080	2,191	4,600	3,423	4,138	1,036	800	800	713	800	3,135	4,600
1933	Critical	4,214	3,661	4,075	2,675	1,134	1,397	800	800	579	800	4,440	4,060
1934	Critical	3,306	2,079	2,873	572	826	1,026	800	800	451	600	1,240	2,701
1935	Below Normal	2,194	3,234	4,202	3,511	2,922	2,500	850	800	3,016	3,450	1,871	4,477
1936	Below Normal	4,228	3,778	4,250	2,216	2,155	2,239	1,026	800	2,761	4,336	3,158	4,600
1937	Below Normal	4,240	4,199	4,047	3,452	1,152	1,681	989	883	966	3,280	2,511	4,600
1938	Wet	3,493	4,600	4,600	1,675	933	2,630	2,116	2,504	4,600	4,600	4,600	4,490
1939	Dry	3,924	1,227	4,600	3,398	4,320	1,774	800	860	448	4,600	3,249	4,250
1940	Above Normal	3,863	3,790	2,373	2,590	3,327	4,600	3,274	800	2,743	3,961	4,600	3,951
1941	Wet	3,293	2,956	4,248	3,993	4,600	4,600	1,405	1,313	3,916	4,600	4,600	4,600
1942	Wet	3,476	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,751	4,600	3,940	4,600	4,600	4,600	1,224	800	4,058	4,600	4,600	4,600
1944	Dry	3,700	4,600	4,261	3,399	3,692	2,466	873	800	1,868	4,151	2,779	3,251
1945	Below Normal	3,516	4,600	3,965	3,409	3,709	4,600	870	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,107	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,557	4,600	4,322	4,099	3,534	1,341	1,008	800	1,711	4,600	3,410	4,105
1948	Below Normal	3,633	4,467	3,547	2,022	800	2,530	800	800	2,681	3,812	4,600	4,600
1949	Dry	4,600	4,421	4,272	3,214	3,324	1,941	800	800	1,734	4,600	4,054	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,249	4,256	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,274	1,540	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,563	3,962	4,600	1,426	1,930	4,600	4,600	4,600	4,600
1953	Wet	3,300	4,600	4,600	2,717	3,884	3,708	847	800	1,937	4,600	4,600	4,600
1954	Above Normal	2,581	4,349	4,058	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,341	4,534	4,600	3,565	3,628	2,507	851	800	583	4,600	4,038	4,600
1956	Wet	3,367	4,101	4,600	4,600	4,600	2,258	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,286
1958	Wet	4,600	4,600	3,707	2,531	4,077	4,552	2,216	1,707	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,455	2,168	3,070	3,422	1,078	857	1,664	4,584	4,600	3,524
1960	Dry	3,691	3,509	3,648	3,185	2,240	2,432	800	1,222	1,522	4,069	2,869	4,411
1961	Dry	3,616	4,160	4,600	3,291	2,049	3,302	800	802	352	4,600	3,435	4,600
1962	Below Normal	3,450	3,998	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,223
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,853
1964	Dry	3,351	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,378
1967	Wet	3,888	3,784	3,806	3,725	3,622	4,482	1,841	1,641	4,600	4,600	4,600	4,600
1968	Below Normal	4,030	3,632	4,600	3,384	2,282	3,528	968	868	1,661	4,600	4,600	3,601
1969	Wet	4,070	4,046	4,600	3,920	4,600	1,992	2,398	4,308	4,600	4,600	4,600	4,335
1970	Wet	4,015	800	4,112	4,600	3,095	2,527	800	800	1,844	4,113	4,600	4,104
1971	Wet	3,560	2,593	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,351
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054
1973	Above Normal	3,903	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	3,774
1974	Wet	3,930	4,600	4,414	4,232	3,930	4,600	959	800	3,430	4,600	4,600	4,600
1975	Wet	4,371	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	4,003	4,600	3,724	4,600	2,947	1,294	800	439	2,622	986	1,721
1977	Critical	2,669	3,691	3,061	2,953	3,512	800	800	800	184	600	4,054	1,574
1978	Above Normal	2,412	1,580	2,926	2,880	4,333	4,440	1,359	1,121	4,496	4,600	4,600	4,600
1979	Below Normal	3,879	4,600	4,403	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,411	3,011	4,600	4,247	4,600	1,828	879	905	4,393	4,600	4,600	3,691
1981	Dry	3,747	3,865	4,600	3,391	3,394	2,472	1,134	898	1,648	4,600	3,908	4,502
1982	Wet	4,561	4,600	3,662	3,848	4,600	4,307	2,735	2,054	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	3,170	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,792	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,482	1,502	1,246	3,819	4,600	4,600	800
1987	Dry	2,982	1,936	4,318	3,296	3,360	2,351	800	800	1,631	4,446	2,767	3,258
1988	Critical	4,541	3,903	3,319	2,335	800	800	1,018	800	351	3,066	4,426	1,902
1989	Dry	2,749	2,941	3,072	3,172	1,124	1,207	1,130	815	2,355	4,600	2,462	4,375
1990	Critical	3,221	3,349	3,911	3,080	2,179	1,023	800	915	241	3,018	3,919	1,623
1991	Critical	3,261	2,941	2,919	800	1,932	1,276	1,021	856	1,069	2,169	3,702	2,125
1992	Critical	1,972	3,288	1,917	1,820	1,696	2,393	800	800	1,445	4,600	4,580	1,356
1993	Above Normal	1,925	2,679	3,425	3,138	4,135	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,453	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,689
1995	Wet	2,548	4,141	3,450	2,990	3,630	4,600	1,414	2,632	4,600	4,600	4,600	4,600
1996	Wet	2,827	3,665	3,774	2,814	4,600	4,600	1,005	930	3,352	4,600	4,600	4,600
1997	Wet	2,973	4,600	4,600	4,600	4,600	3,601	800	800	3,209	3,600	4,600	4,600
1998	Wet	3,284	2,481	4,600	3,003	4,600	4,600	1,682	1,806	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,041	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,839
2000	Above Normal	2,584	4,600	3,869	2,220	4,600	4,600	827	800	3,287	3,096	4,600	4,600
2001	Dry	2,793	4,600	4,062	3,464	3,050	2,973	1,002	800	1,617	4,600	3,103	3,460
2002	Dry	4,105	3,221	3,914	2,649	2,585	2,604	800	800	1,672	4,600	4,600	3,940
2003	Above Normal	4,197	4,393	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,685

Simulated Exports Through Banks Pumping Plant (Node D419)
Existing Condition (cfs)
SAC

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,959	5,601	7,186	3,559	3,216	4,510	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,055	3,867	4,270	3,572	4,120	2,868	1,016	700	2,628	7,005	7,180	6,680
1924	Critical	4,494	3,129	2,819	3,039	2,175	300	300	656	300	6,690	300	574
1925	Dry	2,268	2,888	3,996	3,197	2,382	4,289	1,080	959	2,368	7,180	4,672	6,680
1926	Dry	2,996	2,712	2,755	3,213	1,775	300	1,135	866	2,390	6,915	4,312	3,523
1927	Wet	1,492	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,235	3,300	7,103	3,440	2,182	4,288	863	700	2,558	6,567	6,748	6,680
1929	Critical	3,586	2,505	4,682	3,298	3,317	2,874	1,605	1,136	300	300	316	826
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,267	300	450
1932	Dry	993	1,525	7,175	3,423	4,090	4,058	300	700	300	7,005	5,332	2,384
1933	Critical	2,177	1,906	2,174	2,672	4,862	1,634	753	700	300	2,025	505	882
1934	Critical	1,045	1,167	4,041	5,971	4,237	1,531	300	773	300	677	323	514
1935	Below Normal	1,450	3,225	3,776	3,511	2,838	2,500	850	700	2,311	7,005	7,180	6,680
1936	Below Normal	3,838	2,803	3,070	2,216	8,437	7,201	1,026	700	2,761	7,005	7,180	6,459
1937	Below Normal	4,600	2,742	6,488	5,008	8,500	6,244	1,129	1,218	4,366	7,005	5,994	3,132
1938	Wet	4,968	6,680	6,090	7,618	6,858	6,581	2,380	6,177	6,680	7,005	7,180	4,619
1939	Dry	3,905	1,309	6,112	3,398	2,732	1,774	512	921	300	6,829	5,538	6,830
1940	Above Normal	2,018	1,039	3,390	2,590	3,327	5,688	1,144	700	2,743	6,612	6,680	6,680
1941	Wet	3,288	2,113	4,248	3,993	8,500	7,561	1,405	1,410	3,950	7,005	7,180	6,201
1942	Wet	3,462	1,625	4,209	4,978	5,168	4,938	1,188	1,157	3,865	7,005	7,180	5,712
1943	Wet	3,752	2,359	3,940	5,895	6,045	7,561	1,248	812	2,761	6,797	7,180	6,448
1944	Dry	3,666	1,151	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,561	2,612
1945	Below Normal	2,064	6,680	3,965	3,409	4,109	6,583	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,620	6,680	5,642	4,135	2,986	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,193	4,877	4,325	2,839	3,534	1,341	1,008	700	1,711	6,929	5,855	6,680
1948	Below Normal	4,234	3,527	2,269	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,613	2,682	4,273	3,214	3,324	1,941	700	700	1,734	6,915	5,839	6,680
1950	Below Normal	1,652	1,914	2,198	2,232	2,589	3,445	700	700	2,101	7,005	7,180	6,680
1951	Above Normal	5,711	6,680	7,678	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,809	3,933	4,598	3,951	7,561	1,576	2,291	5,777	6,680	7,180	5,792
1953	Wet	3,341	1,950	7,104	3,168	3,884	3,708	847	728	1,938	7,005	7,180	6,680
1954	Above Normal	2,579	796	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,332	3,826	7,027	3,565	3,018	2,402	851	700	300	6,929	3,609	5,309
1956	Wet	1,947	3,880	5,996	8,500	6,716	6,484	852	930	4,244	7,005	7,180	5,673
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,395	1,989	5,277	7,005	7,180	6,680
1959	Below Normal	3,768	2,611	7,078	2,168	3,070	3,843	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	4,011	2,760	2,348	3,185	2,240	2,432	300	1,222	1,522	6,915	5,965	6,922
1961	Dry	1,436	4,164	6,989	3,291	2,049	3,302	758	802	85	7,077	3,426	2,914
1962	Below Normal	853	2,679	2,928	2,483	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,053	3,400	2,737	2,177	700	700	300	6,915	4,220	6,698
1965	Wet	2,927	3,011	3,905	5,512	4,366	4,221	1,064	700	2,832	7,005	7,180	6,561
1966	Below Normal	3,269	5,350	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,379	3,784	3,806	3,725	3,622	4,483	2,000	1,930	6,680	6,970	7,180	6,680
1968	Below Normal	4,090	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,778	4,016	7,046	4,435	3,771	3,852	2,711	4,346	6,680	6,680	6,680	4,468
1970	Wet	4,021	300	4,112	8,500	6,676	6,650	700	700	1,844	7,115	7,030	4,115
1971	Wet	3,557	5,487	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	347	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	800	700	2,844	6,781	6,906	5,022
1974	Wet	5,411	6,680	4,414	4,425	3,930	6,017	962	700	3,432	7,005	7,180	6,135
1975	Wet	4,374	2,738	7,133	3,388	3,229	5,625	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,031	1,701	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,492	6,953
1977	Critical	3,226	1,460	1,174	1,772	697	300	300	557	262	552	300	1,371
1978	Above Normal	300	1,690	2,921	2,880	4,706	4,954	1,688	1,456	5,346	7,005	7,180	6,680
1979	Below Normal	3,885	2,853	7,110	3,922	5,343	4,855	864	1,116	1,955	7,005	7,180	5,118
1980	Above Normal	4,612	3,011	7,071	6,095	4,813	4,271	879	905	4,450	7,005	7,180	646
1981	Dry	3,759	1,512	7,054	3,391	3,394	2,923	1,134	898	1,648	6,929	5,910	6,930
1982	Wet	3,161	6,680	3,662	3,848	7,955	7,232	6,125	2,420	5,213	7,005	7,180	6,680
1983	Wet	6,680	6,680	6,741	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,787	6,533	837	700	2,030	6,680	6,934	5,818
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	8,439	6,600	1,526	1,435	4,453	7,115	5,533	6,680
1987	Dry	3,596	300	7,077	3,296	3,360	2,351	549	1,794	1,631	5,012	1,053	2,302
1988	Critical	461	849	3,319	2,335	456	1,651	1,018	972	300	5,022	300	1,262
1989	Dry	300	2,941	3,077	3,172	1,113	1,207	1,130	815	2,355	6,915	6,408	7,160
1990	Critical	3,318	2,305	3,243	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	375	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	615
1992	Critical	714	526	1,386	1,346	1,696	2,393	700	700	1,445	1,599	300	2,133
1993	Above Normal	1,925	494	3,426	3,138	4,136	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,082	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,820	3,448
1995	Wet	928	1,953	3,450	2,992	3,630	7,561	1,635	6,177	6,680	6,680	7,180	6,680
1996	Wet	2,830	2,614	3,774	2,814	7,842	6,904	1,005	934	3,353	7,005	7,180	6,680
1997	Wet	2,988	1,883	7,678	8,500	8,500	7,230	700	759	2,872	6,031	7,030	6,680
1998	Wet	3,194	2,033	7,048	3,006	8,500	7,561	1,827	2,083	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,042	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,911
2000	Above Normal	2,539	530	6,989	2,220	5,162	5,699	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,798	1,228	7,073	3,464	3,050	2,973	1,002	733	1,617	6,664	779	3,371
2002	Dry	300	3,222	3,914	2,649	3,868	2,604	740	700	1,672	6,929	2,833	6,740
2003	Above Normal	300	1,720	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Exports Through Banks Pumping Plant (Node D419)

Alternative 4 (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,959	5,601	7,186	3,559	3,219	4,517	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,166	4,396	4,270	3,522	4,281	2,872	1,016	700	2,788	7,005	7,180	6,680
1924	Critical	5,748	3,148	5,010	2,596	2,175	302	300	656	300	2,209	323	574
1925	Dry	2,272	2,892	3,997	3,197	2,382	4,287	1,080	959	2,704	7,180	4,432	6,680
1926	Dry	2,511	2,234	2,755	3,213	1,775	300	1,135	833	2,391	6,915	5,419	3,618
1927	Wet	1,495	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,234	3,273	7,103	3,440	2,182	4,288	863	700	2,558	6,549	6,748	6,680
1929	Critical	3,567	2,500	4,681	3,298	3,317	2,834	1,605	1,136	300	300	852	817
1930	Dry	1,134	926	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,776	6,680
1931	Critical	1,796	1,495	1,352	3,184	2,032	857	300	300	300	4,515	300	449
1932	Dry	994	1,484	7,175	3,423	4,107	4,059	300	700	300	7,005	7,180	3,456
1933	Critical	1,120	1,152	2,175	3,891	5,469	1,634	753	700	300	1,551	508	859
1934	Critical	1,129	986	3,967	5,986	4,256	1,512	300	773	300	665	322	515
1935	Below Normal	2,050	3,234	3,773	3,511	2,838	2,500	850	700	2,312	7,005	7,180	6,680
1936	Below Normal	3,866	2,832	3,071	2,216	8,428	7,098	1,026	700	2,761	7,005	7,180	6,507
1937	Below Normal	4,601	2,743	6,488	3,820	8,500	6,347	989	883	4,851	7,005	5,773	3,136
1938	Wet	4,969	6,680	5,027	6,651	7,304	6,690	2,116	2,504	6,680	7,005	7,180	5,595
1939	Dry	3,924	1,848	5,807	3,398	2,733	1,774	523	860	300	6,829	5,436	6,830
1940	Above Normal	1,661	1,030	3,345	2,590	3,327	5,688	1,144	700	2,743	6,611	6,680	6,680
1941	Wet	3,293	2,171	4,248	3,993	8,358	7,561	1,405	1,313	3,916	7,005	7,180	6,201
1942	Wet	3,476	1,659	4,209	4,666	5,069	4,938	1,188	1,157	3,865	7,005	7,180	6,190
1943	Wet	3,751	2,343	3,940	4,805	5,984	7,561	1,224	789	2,409	6,798	7,180	6,407
1944	Dry	3,700	1,654	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,654	2,616
1945	Below Normal	2,063	6,680	3,965	3,409	3,709	6,237	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,650	6,680	5,641	4,135	3,150	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,119	4,878	4,322	2,839	3,534	1,341	1,008	700	1,711	6,929	5,873	6,680
1948	Below Normal	4,237	3,527	2,267	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,612	2,686	4,272	3,214	3,324	1,941	700	700	1,734	6,915	5,838	6,680
1950	Below Normal	1,604	1,914	2,198	2,232	2,589	3,445	700	700	2,099	7,005	7,180	6,680
1951	Above Normal	5,709	6,680	7,649	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,811	3,933	4,563	3,962	7,561	1,426	1,930	5,008	6,680	7,180	6,339
1953	Wet	3,300	3,264	7,104	2,717	3,884	3,708	847	727	1,937	7,005	7,180	6,680
1954	Above Normal	2,581	750	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,341	3,847	7,027	3,565	3,017	2,402	851	700	300	6,929	3,607	5,138
1956	Wet	1,948	3,880	5,138	8,500	6,813	6,484	852	930	4,244	7,005	7,180	5,702
1957	Above Normal	3,646	2,231	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,216	1,707	5,046	7,005	7,180	6,680
1959	Below Normal	3,768	2,703	7,078	2,168	3,070	3,708	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	3,974	2,710	2,326	3,185	2,240	2,432	300	1,222	1,522	6,915	6,008	6,922
1961	Dry	1,521	4,160	6,989	3,291	2,049	3,302	758	802	85	7,077	3,425	2,913
1962	Below Normal	853	2,680	2,928	2,484	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,040	3,400	2,737	2,177	700	700	300	6,915	4,228	6,698
1965	Wet	2,938	3,011	3,905	5,448	4,366	4,221	1,064	700	2,832	7,005	7,180	6,563
1966	Below Normal	3,269	5,172	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,382	3,784	3,806	3,725	3,622	4,482	1,841	1,641	6,274	6,970	7,180	6,680
1968	Below Normal	4,030	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,457	4,046	7,046	3,920	5,057	4,065	2,398	4,613	6,680	6,680	6,680	4,450
1970	Wet	4,015	300	4,112	8,500	6,863	6,647	700	700	1,844	7,115	7,030	4,104
1971	Wet	3,560	5,474	3,949	3,305	3,351	4,041	678	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	344	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,021
1974	Wet	5,387	6,680	4,414	4,232	3,930	5,061	959	700	3,430	7,005	7,180	6,680
1975	Wet	4,371	2,601	7,133	3,388	3,229	5,597	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,056	1,713	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,456	6,953
1977	Critical	3,211	1,461	1,177	1,764	697	300	300	557	263	552	300	1,372
1978	Above Normal	300	1,680	2,926	2,880	4,333	4,440	1,359	1,121	4,142	7,005	7,180	6,680
1979	Below Normal	3,879	2,817	7,110	3,922	5,295	4,769	864	1,116	1,955	7,005	7,180	5,990
1980	Above Normal	5,406	3,011	7,071	4,247	6,316	4,531	879	905	4,393	7,005	6,531	3,135
1981	Dry	3,698	383	7,054	3,391	3,394	2,472	1,134	898	1,648	6,929	5,868	6,930
1982	Wet	3,319	6,680	3,662	3,848	7,893	7,409	6,125	2,054	4,699	7,005	7,180	6,680
1983	Wet	6,680	6,680	7,678	4,058	3,937	3,445	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,760	6,720	6,785	6,533	837	700	2,030	6,680	6,934	5,819
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	6,390	7,561	1,502	1,246	4,366	7,115	6,691	5,556
1987	Dry	3,600	398	7,077	3,296	3,360	2,351	551	1,794	1,631	4,839	1,054	2,303
1988	Critical	460	848	3,319	2,335	457	1,652	1,018	972	300	5,025	300	1,262
1989	Dry	300	2,941	3,072	3,172	1,112	1,207	1,130	815	2,355	6,915	6,310	7,160
1990	Critical	3,340	2,303	3,280	3,080	2,160	1,023	300	915	241	6,929	647	1,823
1991	Critical	374	506	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	614
1992	Critical	710	524	1,386	1,335	1,696	2,393	700	700	1,445	1,591	300	2,132
1993	Above Normal	1,925	493	3,425	3,138	4,135	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,074	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,823	3,445
1995	Wet	926	1,952	3,450	2,990	3,630	7,561	1,414	2,632	5,728	6,680	7,180	6,680
1996	Wet	2,827	2,491	3,774	2,814	7,838	6,533	1,005	930	3,352	7,005	7,180	6,680
1997	Wet	2,913	1,815	7,678	8,500	8,500	7,191	700	700	2,782	6,680	7,030	6,680
1998	Wet	3,284	1,462	7,048	3,003	8,500	7,561	1,682	1,806	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,041	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,839
2000	Above Normal	2,584	477	6,989	2,220	5,102	5,654	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,793	1,225	6,875	3,464	3,050	2,973	1,002	733	1,617	6,836	773	3,372
2002	Dry	300	3,221	3,914	2,649	3,867	2,604	740	700	1,672	6,929	2,757	6,894
2003	Above Normal	300	1,710	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Delta Outflow (Node C406)
Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,000	4,573	8,643	12,582	38,547	27,287	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,449	28,507	15,652	9,731	28,544	18,759	7,395	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,861	12,829	9,729	6,838	4,554	4,000	4,057	4,265	3,000
1925	Dry	3,000	4,746	6,968	8,197	71,022	12,819	29,103	17,529	6,052	5,000	3,908	3,763
1926	Dry	4,000	4,500	4,500	13,736	45,784	12,516	26,064	10,317	5,313	5,000	3,771	3,000
1927	Wet	4,000	13,471	14,309	32,183	123,586	41,799	52,715	27,489	13,238	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,846	22,620	83,504	27,647	10,514	8,357	10,796	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,767	18,724	16,275	30,158	12,393	9,335	7,031	5,000	3,968	3,539
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,859	13,675	17,089	14,946	10,448	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,220	7,772	13,453	9,558	8,078	7,243	4,000	3,028	3,000
1934	Critical	3,237	4,257	9,674	14,258	14,096	10,625	9,673	7,031	7,100	4,000	3,595	3,000
1935	Below Normal	3,000	6,205	3,680	28,620	10,144	27,101	53,978	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,130	80,304	32,439	27,832	17,506	9,319	6,500	4,000	4,026
1937	Below Normal	4,000	4,500	5,300	10,571	46,723	49,321	27,840	20,023	10,540	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,701	27,585	146,268	168,808	78,004	68,333	38,112	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,679	6,871	8,329	10,184	9,673	9,107	5,750	5,000	4,072	4,128
1940	Above Normal	4,000	4,500	4,500	34,080	64,932	108,798	71,910	18,365	6,166	10,339	4,000	11,563
1941	Wet	5,938	10,625	37,481	97,479	117,345	89,197	77,818	48,377	13,338	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,432	136,485	23,690	54,800	40,451	22,690	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,410	79,608	54,829	86,051	33,920	19,695	7,679	10,339	4,000	19,531
1944	Dry	7,500	12,514	5,090	11,278	23,061	18,762	12,498	10,389	6,508	5,000	3,783	3,036
1945	Below Normal	4,000	6,001	10,828	9,268	52,936	22,234	17,088	15,811	7,282	6,500	4,000	3,868
1946	Below Normal	4,284	5,028	67,028	46,193	15,036	18,055	18,055	16,160	6,692	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,450	7,464	14,019	20,031	13,169	8,135	7,100	5,000	4,311	3,695
1948	Below Normal	4,000	4,500	4,508	12,625	11,145	13,395	26,934	30,180	14,799	6,500	4,000	4,047
1949	Dry	4,000	4,500	6,235	7,620	7,982	46,552	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,862	35,749	16,395	22,187	15,303	7,636	6,643	4,000	4,212
1951	Above Normal	4,423	44,786	100,165	67,172	69,478	29,251	18,776	19,060	5,813	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,696	82,178	74,675	62,784	75,164	75,194	37,257	11,708	6,560	18,906
1953	Wet	9,375	13,340	28,655	99,143	20,989	16,041	19,421	26,445	20,631	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,848	23,333	52,065	43,369	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,837	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,906	3,531
1956	Wet	4,000	4,500	91,250	163,624	82,041	37,916	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,920	44,636	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	117,613	103,525	55,788	30,546	8,000	6,031	18,125
1959	Below Normal	9,219	13,595	5,072	21,540	48,739	12,078	10,577	9,621	7,100	8,308	4,000	4,606
1960	Dry	4,000	4,500	4,500	8,897	28,519	17,241	12,125	9,388	6,422	5,099	4,211	3,926
1961	Dry	4,000	5,699	8,487	8,976	33,039	13,935	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,448	6,000	57,823	21,151	15,972	14,331	6,167	7,346	4,000	3,798
1963	Wet	29,357	5,771	23,187	16,740	74,782	23,450	97,294	30,772	8,479	10,645	4,000	20,078
1964	Dry	7,813	15,625	4,655	20,288	9,684	7,912	10,189	10,218	7,856	5,000	3,901	4,278
1965	Wet	4,000	11,219	78,769	113,428	32,999	17,253	50,528	20,619	9,868	8,627	4,000	20,000
1966	Below Normal	7,813	15,469	6,711	24,645	20,514	18,743	13,495	10,198	6,422	8,292	4,000	4,279
1967	Wet	4,000	9,620	35,377	49,973	50,705	55,955	57,456	57,721	41,627	14,314	4,931	19,531
1968	Below Normal	8,125	13,813	5,218	21,833	58,583	30,016	11,290	10,961	6,258	8,649	4,000	3,722
1969	Wet	4,000	5,845	15,103	118,572	135,706	66,477	60,224	64,655	34,667	8,000	4,000	22,188
1970	Wet	7,031	14,607	52,271	207,212	75,482	37,004	13,563	13,225	7,610	10,840	4,000	18,594
1971	Wet	8,438	15,313	49,791	47,951	19,098	41,070	26,094	29,829	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,347	4,000	11,875
1974	Wet	6,094	51,156	63,984	131,775	38,719	107,386	69,175	24,178	15,301	8,000	5,589	18,594
1975	Wet	8,438	14,544	5,568	10,130	57,405	82,799	26,916	31,984	20,652	8,000	4,182	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,237	3,977	3,008	3,008
1977	Critical	5,618	3,500	4,433	6,427	7,714	7,239	7,100	4,000	4,000	4,000	3,312	3,000
1978	Above Normal	3,628	3,941	10,777	67,598	50,897	69,286	47,894	25,804	14,740	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,029	20,962	33,570	27,212	18,827	20,299	7,817	6,500	4,000	3,221
1980	Above Normal	4,000	12,141	10,723	106,942	132,004	61,857	21,767	19,088	12,378	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,215	19,051	22,375	24,102	14,012	9,083	7,100	5,000	4,048	4,459
1982	Wet	4,000	27,889	85,349	75,861	99,591	83,030	140,148	47,504	20,816	8,000	4,518	18,750
1983	Wet	15,097	41,206	83,302	109,093	177,813	259,856	89,969	80,191	71,445	33,993	16,957	24,769
1984	Wet	13,604	81,647	156,943	63,546	36,629	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	212,647	144,060	26,875	20,732	11,012	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,051	9,480	15,543	22,759	8,904	7,727	7,100	5,000	3,771	3,000
1988	Critical	4,000	4,500	12,444	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,579	4,648	4,695	7,511	8,636	48,435	19,688	11,116	5,781	5,000	4,232	4,929
1990	Critical	4,000	4,500	4,500	14,125	11,400	11,358	10,062	6,753	4,000	4,000	3,914	3,000
1991	Critical	3,336	4,031	3,500	9,616	7,407	33,304	10,482	5,114	4,000	4,275	3,394	3,000
1992	Critical	4,358	3,500	3,695	8,553	32,764	16,472	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,954	3,935	7,801	63,669	55,657	39,291	40,052	27,708	23,456	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,611	19,108	8,421	11,274	8,544	4,153	4,000	4,264	3,000
1995	Wet	4,454	3,500	9,781	113,084	51,076	210,596	67,878	83,985	41,904	22,187	9,297	13,750
1996	Wet	11,875	12,555	18,160	47,468	123,503	68,278	46,005	48,657	11,021	8,000	4,000	21,250
1997	Wet	7,813	15,625	78,366	278,487	72,312	21,727	19,106	14,431	6,858	11,454	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,984	221,879	81,743	62,932	59,459	73,844	28,384	12,379	19,494
1999	Wet	8,839	20,119	30,415	39,856	93,073	30,201	21,749	11,220	21,749	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,572	21,813	111,009	63,064	22,048	18,923	6,284	10,438	4,000	11,719
2001	Dry	5,781	10,469	4,775	13,264	23,780	22,927	12,660	8,216	7,100	5,000	4,046	3,000
2002	Dry	4,000	5,758	27,611	48,492	14,232	17,039	16,513	12,956	4,816	5,000	4,555	3,728
2003	Above Normal	4,000	4,500	38,330	61,320	20,609	17,826	28,890	43,216	7,785	8,516	4,000	11,875

Simulated Delta Outflow (Node C406)

Alternative 4 (cfs)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,000	4,573	8,643	12,584	38,543	27,294	28,926	56,314	37,312	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,193	28,436	15,652	9,747	28,497	18,261	7,078	6,500	4,000	4,548
1924	Critical	4,295	4,500	4,500	7,852	12,804	9,729	6,844	4,556	4,000	4,000	3,977	3,000
1925	Dry	3,000	4,750	6,970	8,197	71,006	12,818	29,101	17,527	6,061	5,000	3,871	3,722
1926	Dry	4,000	4,500	4,500	13,742	45,935	12,516	26,051	10,317	5,313	5,006	3,792	3,000
1927	Wet	4,000	13,379	14,185	32,119	125,098	41,783	52,729	27,498	13,244	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,809	20,848	22,622	83,508	27,645	10,515	8,356	10,776	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,472	12,136	9,013	7,691	7,100	7,243	4,000	3,000	3,000
1930	Dry	3,000	4,209	12,778	18,733	16,282	30,131	12,394	9,335	7,031	5,000	3,970	3,544
1931	Critical	4,000	4,500	4,500	9,832	8,117	7,502	7,817	5,389	4,000	4,000	3,866	3,000
1932	Dry	3,000	3,892	13,677	17,090	15,004	10,444	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,222	7,772	13,454	9,558	7,828	7,243	4,000	3,049	3,000
1934	Critical	3,071	4,633	9,357	14,206	14,102	10,625	9,673	7,031	7,100	4,000	3,603	3,000
1935	Below Normal	3,000	6,215	3,678	28,620	10,145	27,102	53,980	21,311	7,911	6,500	4,000	3,892
1936	Below Normal	4,000	4,500	4,500	40,142	78,887	32,442	27,832	17,505	9,319	6,500	4,000	4,052
1937	Below Normal	4,000	4,500	5,295	10,572	45,412	47,827	27,003	18,017	11,185	6,500	4,000	3,000
1938	Wet	4,000	16,452	62,729	27,472	143,333	166,588	76,416	70,897	37,865	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,515	6,903	8,329	10,203	9,673	9,105	5,750	5,000	3,989	4,069
1940	Above Normal	4,000	4,500	4,500	34,093	64,626	108,695	71,907	18,365	6,166	10,337	4,000	11,563
1941	Wet	5,938	10,625	36,991	97,325	115,601	89,224	77,818	47,798	13,255	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,030	78,140	136,393	23,691	54,802	40,456	22,694	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,414	78,138	54,776	84,121	33,782	19,595	7,673	10,182	4,000	19,688
1944	Dry	7,344	12,514	5,086	11,309	23,084	18,781	12,498	10,390	6,508	5,000	3,778	3,035
1945	Below Normal	4,000	5,990	10,813	9,255	52,190	22,234	16,590	15,313	6,810	6,500	4,000	3,868
1946	Below Normal	4,130	5,438	68,873	46,180	15,036	17,371	18,058	16,159	6,869	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,456	7,464	14,019	20,041	13,168	8,136	7,100	5,000	4,307	3,684
1948	Below Normal	4,000	4,500	4,512	12,625	11,145	13,396	26,934	30,175	14,799	6,500	4,000	4,044
1949	Dry	4,000	4,500	6,236	7,620	7,982	46,559	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,900	35,749	16,395	22,187	15,303	7,636	6,642	4,000	4,212
1951	Above Normal	4,423	44,786	97,267	66,272	69,140	29,251	18,776	19,060	5,814	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,698	82,115	74,695	62,337	74,263	73,043	36,349	11,730	6,572	18,750
1953	Wet	9,531	13,340	27,242	99,674	20,996	16,044	19,422	26,482	20,632	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,849	23,442	52,093	43,368	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,836	17,366	8,906	8,160	12,781	6,520	5,000	3,905	3,439	3,400
1956	Wet	4,000	4,500	90,519	160,023	81,602	37,497	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,173	14,920	44,607	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	116,504	102,453	54,097	30,267	8,000	6,029	18,125
1959	Below Normal	9,219	13,595	5,071	21,468	48,717	12,077	10,578	9,622	7,100	8,321	4,000	4,596
1960	Dry	4,000	4,500	4,500	8,896	28,518	17,243	12,125	9,388	6,422	5,099	4,223	3,928
1961	Dry	4,000	5,706	8,481	8,974	33,036	13,934	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,449	6,000	57,825	21,152	15,972	14,331	6,167	7,346	4,000	3,799
1963	Wet	29,358	5,771	23,187	16,739	74,775	23,450	97,294	30,772	8,479	10,646	4,000	20,078
1964	Dry	7,813	15,625	4,648	20,292	9,684	7,912	10,189	10,218	7,857	5,000	3,903	4,278
1965	Wet	4,000	11,217	78,770	113,367	32,999	17,253	50,533	20,619	9,867	8,629	4,000	20,000
1966	Below Normal	7,813	15,469	6,716	24,643	20,512	18,932	13,531	10,198	6,422	8,305	4,000	4,248
1967	Wet	4,000	9,617	35,404	49,972	50,705	55,955	56,506	55,985	40,398	12,483	4,932	19,688
1968	Below Normal	8,125	13,813	5,218	21,686	57,267	30,039	11,290	10,961	6,219	8,688	4,000	3,722
1969	Wet	4,000	5,770	15,084	117,963	132,566	64,876	58,343	61,551	32,836	8,000	4,000	21,875
1970	Wet	7,188	14,607	52,156	207,201	75,554	36,937	13,563	13,225	7,619	10,832	4,000	18,594
1971	Wet	8,438	15,313	49,794	47,950	19,098	41,085	26,093	29,829	14,859	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,266	11,685	16,129	26,269	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,774	80,290	88,154	54,599	19,666	19,045	9,383	8,646	4,000	11,875
1974	Wet	6,094	50,767	63,983	131,410	38,717	107,385	69,161	24,174	15,302	8,000	5,591	18,594
1975	Wet	8,438	14,544	5,570	10,128	56,870	82,878	26,913	31,983	20,651	8,000	4,179	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,401	4,249	3,461	3,009
1977	Critical	5,623	3,500	4,426	6,446	7,714	7,239	7,100	4,000	4,000	4,000	3,315	3,000
1978	Above Normal	3,625	3,932	10,768	67,599	50,299	68,679	45,920	23,797	13,164	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,034	20,973	33,401	27,091	18,839	20,301	7,817	6,500	4,000	3,692
1980	Above Normal	4,284	11,945	10,729	104,476	126,337	60,429	21,769	19,089	12,177	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,218	18,745	21,292	24,999	13,977	9,078	7,100	5,000	4,038	4,407
1982	Wet	4,000	28,578	85,210	75,856	99,534	82,146	136,374	45,307	20,197	8,000	4,518	18,750
1983	Wet	15,097	41,052	81,678	106,942	177,613	259,744	89,801	80,020	70,897	33,970	16,957	24,769
1984	Wet	13,603	81,614	156,918	63,520	36,609	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,688	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,468	22,424	210,732	139,367	26,731	19,601	10,689	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,047	9,494	15,551	22,761	8,904	7,727	7,100	5,000	3,775	3,000
1988	Critical	4,000	4,500	12,443	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,578	4,644	4,701	7,508	8,636	48,438	19,688	11,116	5,781	5,000	4,207	4,928
1990	Critical	4,000	4,500	4,500	14,123	11,400	11,357	10,063	6,753	4,000	4,000	3,913	3,000
1991	Critical	3,337	4,028	3,500	9,620	7,407	33,302	10,480	5,113	4,000	4,266	3,396	3,000
1992	Critical	4,363	3,500	3,689	8,575	32,761	16,470	9,711	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,952	3,938	7,800	63,667	55,653	39,336	40,052	27,709	23,458	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,609	19,106	8,420	11,274	8,544	4,153	4,000	4,265	3,000
1995	Wet	4,453	3,500	9,781	113,062	51,075	208,712	66,554	87,506	39,908	21,350	9,296	13,750
1996	Wet	11,875	12,555	17,690	47,377	122,736	67,987	46,004	48,635	11,024	8,000	4,000	21,250
1997	Wet	7,813	15,625	75,976	273,844	71,225	21,726	19,106	14,246	6,769	11,539	4,000	18,594
1998	Wet	7,813	15,313	10,672	47,739	219,542	80,671	62,062	57,811	70,712	28,191	12,393	19,506
1999	Wet	8,907	20,131	30,420	39,854	93,071	59,784	30,200	21,748	11,219	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,576	21,753	111,099	63,020	22,045	18,922	6,283	10,433	4,000	11,719
2001	Dry	5,781	10,469	4,720	13,267	23,784	22,928	12,660	8,216	7,100	5,000	4,066	3,000
2002	Dry	4,000	5,758	27,610	48,499	14,232	17,038	16,513	12,956	4,816	5,000	4,527	3,796
2003	Above Normal	4,000	4,500	38,211	61,321	20,608	17,825	28,889	43,215	7,785	8,516	4,000	11,875

Change in Simulated Delta Outflow (Node C406)

Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	1	-4	6	-8	-13	-24	0	0	0
1923	Below Normal	0	0	-256	-71	0	16	-47	-497	-317	0	0	0
1924	Critical	295	0	0	-9	-25	0	6	2	0	-57	-288	0
1925	Dry	0	4	2	0	-15	-2	-3	-1	9	0	-37	-40
1926	Dry	0	0	0	7	151	0	-13	0	0	6	21	0
1927	Wet	0	-92	-124	-64	1,513	-16	14	9	5	0	0	0
1928	Above Normal	0	0	1	2	2	4	-1	1	-1	-20	0	0
1929	Critical	0	0	0	2	2	0	0	0	0	0	-156	0
1930	Dry	0	82	11	9	7	-27	1	0	0	0	1	5
1931	Critical	0	0	0	2	0	-4	0	0	0	0	16	0
1932	Dry	0	33	2	1	57	-4	0	0	0	0	0	0
1933	Critical	0	0	0	2	0	1	0	-250	0	0	21	0
1934	Critical	-166	376	-317	-52	6	0	0	0	0	0	9	0
1935	Below Normal	0	10	-2	0	1	1	2	0	0	0	0	-1
1936	Below Normal	0	0	0	12	-1,417	3	0	0	0	0	0	26
1937	Below Normal	0	0	-4	1	-1,311	-1,494	-837	-2,007	646	0	0	0
1938	Wet	0	1	28	-113	-2,935	-2,220	-1,588	2,564	-247	0	0	0
1939	Dry	0	0	-164	31	0	18	0	-2	1	0	-83	-59
1940	Above Normal	0	0	0	13	-306	-103	-2	0	0	-2	0	0
1941	Wet	0	0	-490	-155	-1,744	27	0	-579	-84	0	0	0
1942	Wet	0	0	0	-291	-92	1	2	4	4	0	0	0
1943	Wet	0	0	4	-1,470	-53	-1,930	-138	-101	-7	-157	0	156
1944	Dry	-156	0	-4	31	23	19	1	0	0	0	-4	0
1945	Below Normal	0	-11	-15	-14	-745	0	-498	-498	-472	0	0	0
1946	Below Normal	-154	410	1,845	-13	0	-683	3	-1	177	0	0	0
1947	Dry	0	0	6	0	0	10	-2	1	0	0	-4	-12
1948	Below Normal	0	0	4	0	0	1	0	-5	0	0	0	-4
1949	Dry	0	0	1	0	0	7	0	0	0	0	0	0
1950	Below Normal	0	0	0	38	0	0	0	0	0	-1	0	0
1951	Above Normal	-1	0	-2,898	-901	-337	0	0	0	1	-1	0	0
1952	Wet	0	0	3	-64	20	-447	-901	-2,151	-908	22	11	-156
1953	Wet	156	0	-1,413	531	7	3	1	38	1	0	0	0
1954	Above Normal	0	0	1	110	28	0	0	0	0	0	0	0
1955	Dry	0	0	-1	0	0	0	0	0	0	0	-1	-92
1956	Wet	0	0	-731	-3,601	-439	-418	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	-30	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	-1,108	-1,072	-1,692	-278	0	-1	0
1959	Below Normal	0	0	-1	-71	-22	-1	1	1	0	14	0	-10
1960	Dry	0	0	0	-1	-1	2	0	0	0	0	12	1
1961	Dry	0	7	-5	-3	-3	-1	0	0	0	0	0	0
1962	Below Normal	0	0	1	0	3	0	0	0	0	0	0	0
1963	Wet	2	0	0	-1	-7	0	0	0	0	1	0	0
1964	Dry	0	0	-7	4	0	0	0	0	0	0	2	0
1965	Wet	0	-2	1	-61	0	1	5	0	-1	2	0	0
1966	Below Normal	0	0	5	-2	-1	189	36	0	0	13	0	-31
1967	Wet	0	-3	27	-1	0	-1	-950	-1,736	-1,229	-1,829	0	156
1968	Below Normal	0	0	0	-147	-1,316	23	0	0	-39	39	0	0
1969	Wet	0	-75	-19	-609	-3,141	-1,600	-1,881	-3,104	-1,831	0	0	-313
1970	Wet	156	0	-114	-10	72	-67	0	0	9	-8	0	0
1971	Wet	0	0	3	-1	0	15	-1	0	0	0	0	0
1972	Below Normal	0	0	-1	-1	-1	2	0	0	0	0	0	0
1973	Above Normal	0	0	-1	-1	-1	-1	0	0	0	-1	0	0
1974	Wet	0	-389	0	-365	-2	-1	-14	-4	1	0	1	0
1975	Wet	0	0	2	-2	-535	79	-3	-1	-1	0	-2	0
1976	Critical	0	0	0	0	0	0	0	0	0	12	-15	1
1977	Critical	5	0	-7	19	0	0	0	0	0	0	4	0
1978	Above Normal	-4	-9	-9	0	-598	-607	-1,974	-2,008	-1,576	0	0	0
1979	Below Normal	0	0	4	11	-170	-121	11	2	0	0	0	470
1980	Above Normal	284	-196	6	-2,466	-5,666	-1,428	2	1	-201	0	0	0
1981	Dry	0	0	3	-306	-1,082	896	-35	-5	0	0	-10	-53
1982	Wet	0	689	-139	-6	-57	-884	-3,774	-2,197	-619	0	0	0
1983	Wet	0	-154	-1,624	-2,151	-200	-112	-168	-171	-548	-24	0	0
1984	Wet	0	-33	-26	-26	-21	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-1,915	-4,694	-144	-1,131	-322	0	0	0
1987	Dry	0	0	-3	14	8	2	0	0	0	0	5	0
1988	Critical	0	0	-1	0	0	0	0	0	0	0	0	0
1989	Dry	-1	-4	6	-3	0	3	0	0	0	0	-25	-2
1990	Critical	0	0	0	-2	0	-1	0	0	0	0	-1	0
1991	Critical	1	-3	0	5	0	-2	-2	-1	0	-10	2	0
1992	Critical	5	0	-6	22	-2	-2	0	0	0	0	0	0
1993	Above Normal	-1	3	-1	-2	-4	45	0	1	2	0	0	0
1994	Critical	0	0	0	-2	-2	-1	0	0	0	0	1	0
1995	Wet	-1	0	-1	-22	-1	-1,883	-1,324	3,521	-1,996	-837	-1	0
1996	Wet	0	0	-470	-91	-767	-291	-2	-22	3	0	0	0
1997	Wet	0	0	-2,390	-4,643	-1,087	-1	0	-184	-89	85	0	0
1998	Wet	0	0	25	755	-2,337	-1,071	-870	-1,648	-3,132	-192	15	13
1999	Wet	68	12	5	-2	-3	23	-1	-1	-1	0	0	0
2000	Above Normal	0	0	4	-60	90	-44	-3	-1	-1	-5	0	0
2001	Dry	0	0	-55	3	4	1	0	0	0	0	20	0
2002	Dry	0	0	-1	7	0	-1	0	0	0	0	-28	69
2003	Above Normal	0	0	-118	1	-2	-1	-1	-1	0	0	0	0

Simulated End-of-Month Millerton Reservoir Storage (Node S18)
Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	215	233	306	389	439	348	217	247	524	503	342	292
1923	Above Normal	303	333	427	439	439	439	437	506	458	364	237	214
1924	Critical	248	294	321	348	344	344	380	376	276	182	145	165
1925	Below Normal	150	149	179	212	270	248	308	378	369	289	193	183
1926	Dry	208	227	261	292	323	322	428	523	452	287	173	176
1927	Above Normal	178	217	279	334	439	454	461	470	489	402	255	213
1928	Below Normal	233	309	362	408	417	466	488	523	442	276	181	179
1929	Critical	161	154	175	198	192	167	195	274	250	183	148	179
1930	Critical	154	136	152	179	192	174	251	255	263	181	146	179
1931	Critical	171	180	199	223	239	203	250	264	205	148	131	155
1932	Above Normal	144	131	194	265	408	408	389	424	477	426	269	220
1933	Dry	231	254	282	320	310	305	303	226	282	241	170	183
1934	Critical	184	180	227	283	305	342	429	403	298	195	159	170
1935	Above Normal	160	161	203	276	336	300	347	475	513	388	240	205
1936	Above Normal	222	253	283	335	439	479	524	524	501	380	242	205
1937	Wet	212	235	282	329	439	479	466	524	524	421	265	220
1938	Wet	238	266	428	439	421	397	361	307	524	524	422	346
1939	Dry	357	374	408	439	439	478	524	505	386	249	156	166
1940	Above Normal	180	175	191	322	414	475	499	524	504	335	180	156
1941	Wet	166	188	288	412	439	448	409	435	524	523	378	304
1942	Wet	311	335	430	439	439	465	421	399	524	500	346	288
1943	Wet	301	354	410	412	439	479	524	524	496	379	244	210
1944	Below Normal	217	243	276	318	331	337	312	367	352	269	185	187
1945	Above Normal	201	247	315	369	439	457	442	458	470	406	265	225
1946	Above Normal	272	353	439	439	439	451	474	523	492	355	218	193
1947	Dry	218	289	386	439	439	465	472	523	418	266	170	178
1948	Below Normal	175	175	196	220	212	151	166	228	293	236	159	174
1949	Below Normal	193	199	228	258	265	238	285	374	384	251	167	179
1950	Below Normal	195	203	233	286	349	324	394	457	434	297	183	184
1951	Above Normal	204	359	381	439	439	453	443	435	388	278	188	188
1952	Wet	194	200	277	428	421	391	374	480	524	521	408	343
1953	Below Normal	336	341	387	439	439	440	442	393	331	279	191	190
1954	Below Normal	190	192	219	260	293	301	379	495	450	317	200	181
1955	Dry	193	208	251	304	328	311	285	297	344	242	171	182
1956	Wet	182	181	351	351	439	479	413	368	446	412	289	240
1957	Below Normal	265	293	326	373	395	390	357	357	410	309	206	200
1958	Wet	216	230	284	336	406	373	393	453	524	502	371	313
1959	Dry	311	316	337	388	436	478	523	497	400	254	147	177
1960	Critical	179	169	183	205	229	217	306	337	293	196	160	174
1961	Critical	166	183	222	249	272	236	297	295	242	159	147	167
1962	Below Normal	157	147	177	206	357	322	362	429	488	402	255	216
1963	Above Normal	234	260	284	335	439	449	412	421	461	404	265	230
1964	Dry	249	321	375	418	404	400	411	403	349	230	168	178
1965	Wet	163	177	314	439	439	411	364	378	400	335	260	228
1966	Below Normal	240	342	429	439	439	477	523	523	424	258	153	159
1967	Wet	147	158	377	439	439	388	369	333	524	524	444	363
1968	Dry	302	290	313	353	335	378	428	432	350	236	160	171
1969	Wet	166	186	241	351	379	248	188	421	524	524	445	354
1970	Above Normal	318	320	359	439	439	479	471	475	449	311	208	200
1971	Below Normal	199	221	304	384	415	401	404	397	367	263	183	190
1972	Dry	204	220	288	339	361	413	385	386	338	210	137	178
1973	Above Normal	175	189	242	324	414	407	305	469	524	398	254	216
1974	Wet	243	336	439	439	439	459	407	470	523	404	274	236
1975	Wet	256	289	335	385	421	450	365	370	496	389	239	211
1976	Critical	267	332	371	402	413	440	457	439	313	185	144	182
1977	Critical	184	188	200	218	222	224	245	218	184	143	131	151
1978	Wet	139	131	208	367	439	479	410	430	524	524	434	439
1979	Above Normal	393	391	414	439	439	479	515	524	509	363	228	200
1980	Wet	222	262	305	380	405	473	489	503	524	524	416	349
1981	Dry	354	368	402	439	439	464	476	521	439	272	179	184
1982	Wet	179	230	300	422	439	441	524	524	524	523	440	440
1983	Wet	439	432	418	412	439	464	272	161	524	524	515	454
1984	Above Normal	404	437	407	439	439	478	471	515	461	333	225	213
1985	Dry	234	287	341	392	403	407	475	522	421	267	165	181
1986	Wet	183	203	276	371	393	479	506	494	524	456	313	273
1987	Critical	301	322	349	388	391	416	469	479	379	253	167	171
1988	Critical	170	175	204	265	284	276	344	355	295	197	160	178
1989	Critical	157	144	171	200	214	236	339	379	316	203	159	180
1990	Critical	176	173	199	231	242	234	324	310	246	180	155	168
1991	Critical	153	134	150	167	158	167	177	216	256	183	147	186
1992	Critical	171	168	198	231	273	266	371	414	305	204	163	176
1993	Wet	159	151	189	377	439	419	351	444	520	506	358	302
1994	Critical	318	335	369	412	415	446	481	485	404	262	169	177
1995	Wet	197	222	275	439	439	468	412	382	524	524	489	385
1996	Wet	292	269	300	366	439	479	453	524	524	414	280	244
1997	Wet	258	358	429	351	422	479	523	524	464	336	206	186
1998	Wet	202	237	285	395	439	441	497	348	524	524	452	364
1999	Above Normal	307	309	344	409	421	445	420	472	484	334	212	201
2000	Above Normal	215	226	254	336	411	466	498	523	515	357	223	197
2001	Dry	217	244	274	313	316	357	374	477	400	252	168	179
2002	Dry	168	172	237	306	332	315	399	443	404	277	175	175
2003	Below Normal	167	213	265	333	367	353	312	363	425	282	188	185

Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Alternative 4 - Existing Condition (taf)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	125		107	34	-49	-99	-8	123	93	-184	-163	-2	48	
1923	Above Normal	37	7	-87	-99	-99	-99	-97	-166	-118	-24	103	126		
1924	Critical	92	47	19	-8	-4	-4	-40	-36	64	158	195	175		
1925	Below Normal	190	191	161	128	70	92	32	-38	-29	52	147	157		
1926	Dry	132	114	79	48	17	19	-88	-183	-112	53	167	165		
1927	Above Normal	162	123	61	6	-99	-113	-121	-130	-149	-62	85	127		
1928	Below Normal	108	31	-22	-68	-76	-126	-148	-183	-102	64	159	161		
1929	Critical	180	187	165	142	148	173	145	66	90	157	192	161		
1930	Critical	186	205	188	161	148	167	89	85	77	159	194	162		
1931	Critical	169	160	141	117	101	137	90	76	135	192	209	185		
1932	Above Normal	196	209	146	75	-68	-68	-49	-84	-137	-86	71	120		
1933	Dry	109	86	58	20	30	36	38	114	58	99	170	157		
1934	Critical	156	160	113	57	35	-2	-89	-63	42	145	181	171		
1935	Above Normal	180	179	137	64	4	40	-7	-134	-173	-48	100	136		
1936	Above Normal	118	87	57	5	-99	-138	-184	-184	-161	-40	99	135		
1937	Wet	128	105	58	11	-99	-138	-126	-184	-184	-81	75	120		
1938	Wet	102	74	-88	-99	-80	-57	-21	33	-75	-75	-82	-6		
1939	Dry	-17	-34	-68	-99	-99	-138	-184	-165	-46	91	184	174		
1940	Above Normal	160	165	149	18	-74	-135	-159	-184	-163	5	160	185		
1941	Wet	175	152	53	-72	-99	-108	-69	-95	-184	-183	-38	36		
1942	Wet	30	5	-90	-99	-99	-125	-81	-59	-184	-160	-6	52		
1943	Wet	39	-14	-70	-72	-99	-138	-184	-184	-156	-38	96	130		
1944	Below Normal	123	97	64	22	9	3	28	-26	-12	72	155	153		
1945	Above Normal	140	93	25	-29	-99	-117	-102	-118	-130	-66	76	115		
1946	Above Normal	68	-13	-99	-99	-99	-111	-133	-183	-152	-15	122	147		
1947	Dry	122	52	-46	-99	-99	-125	-132	-183	-78	75	170	162		
1948	Below Normal	165	165	144	120	128	189	174	112	48	104	181	166		
1949	Below Normal	147	141	112	82	75	103	55	-34	-44	89	173	161		
1950	Below Normal	145	137	107	54	-8	16	-53	-117	-94	43	157	156		
1951	Above Normal	136	-19	-41	-99	-99	-113	-103	-95	-48	62	152	152		
1952	Wet	146	140	63	-88	-81	-51	-34	-140	-172	-179	-68	-3		
1953	Below Normal	4	-1	-47	-99	-99	-100	-102	-53	9	61	150	150		
1954	Below Normal	150	148	122	80	47	39	-39	-155	-110	23	141	159		
1955	Dry	147	132	89	36	13	29	55	43	-4	98	169	158		
1956	Wet	158	159	-1	4	-99	-138	-73	-28	-77	-72	51	100		
1957	Below Normal	75	47	14	-33	-55	-50	-17	-17	-70	31	135	141		
1958	Wet	124	110	56	4	-66	-33	-53	-113	-184	-161	-31	27		
1959	Dry	30	24	4	-48	-95	-138	-183	-156	-60	86	193	163		
1960	Critical	161	171	157	135	111	124	34	3	47	144	180	166		
1961	Critical	175	157	118	91	68	104	44	45	98	181	193	173		
1962	Below Normal	183	193	163	134	-17	18	-22	-89	-147	-62	85	124		
1963	Above Normal	106	80	56	6	-99	-109	-72	-81	-121	-64	75	110		
1964	Dry	91	19	-35	-78	-64	-60	-71	-63	-9	110	172	162		
1965	Wet	177	163	26	-98	-99	-71	-24	-38	-60	6	80	112		
1966	Below Normal	100	-2	-89	-99	-99	-137	-183	-183	-84	82	187	181		
1967	Wet	193	182	-37	-99	-99	-48	-29	7	-184	-75	-104	-23		
1968	Dry	38	50	27	-12	5	-38	-88	-92	-10	104	180	169		
1969	Wet	174	154	99	6	-39	92	152	-81	-75	-75	-105	-14		
1970	Above Normal	22	20	-19	-99	-99	-138	-131	-134	-109	29	132	140		
1971	Below Normal	141	119	36	-44	-75	-61	-64	-57	-26	77	157	151		
1972	Dry	137	120	52	1	-21	-73	-45	-46	2	130	203	162		
1973	Above Normal	165	151	99	16	-74	-67	35	-129	-184	-58	86	124		
1974	Wet	97	4	-99	-99	-99	-119	-67	-130	-183	-64	67	104		
1975	Wet	84	52	5	-45	-81	-109	-25	-30	-156	-49	101	129		
1976	Critical	73	8	-31	-62	-73	-100	-117	-99	28	155	197	158		
1977	Critical	156	152	140	122	118	116	95	122	156	197	209	189		
1978	Wet	201	209	132	-23	-99	-138	-70	-90	-84	-75	-94	-99		
1979	Above Normal	-53	-51	-74	-99	-99	-138	-174	-84	-131	-23	112	140		
1980	Wet	118	78	35	-40	-65	-133	-149	-163	-131	-75	-76	-8		
1981	Dry	-14	-28	-62	-99	-99	-124	-136	-181	-99	68	161	156		
1982	Wet	162	110	40	-81	-99	-101	-184	-184	-79	-76	-100	-100		
1983	Wet	-99	-75	-75	-72	-99	-106	68	179	-75	-75	-95	-111		
1984	Above Normal	-64	-75	-67	-75	-78	-78	-72	-90	-120	7	115	127		
1985	Dry	106	54	-1	-51	-63	-66	-135	-182	-81	73	175	159		
1986	Wet	157	137	64	-31	-53	-138	-166	-154	-131	-116	27	67		
1987	Critical	39	19	-8	-48	-51	-76	-129	-139	-39	87	173	169		
1988	Critical	170	165	136	75	56	65	-3	-15	45	143	180	162		
1989	Critical	184	196	169	140	126	104	1	-39	24	137	181	160		
1990	Critical	164	167	142	109	99	106	16	30	94	160	185	172		
1991	Critical	187	206	190	173	182	173	163	125	84	157	193	154		
1992	Critical	169	172	142	109	67	74	-31	-74	35	136	177	164		
1993	Wet	182	189	151	-37	-99	-99	-79	-11	-104	-166	-18	38		
1994	Critical	22	5	-29	-72	-75	-106	-141	-145	-64	78	171	163		
1995	Wet	143	118	65	-95	-99	-128	-72	-42	-103	-75	-104	-45		
1996	Wet	48	71	41	-26	-99	-99	-94	-72	-75	-89	-74	60	96	
1997	Wet	82	-17	-89	-10	-75	-76	-79	-75	-124	4	134	154		
1998	Wet	138	104	55	-55	-99	-101	-157	-8	-88	-75	-112	-23		
1999	Above Normal	33	31	-4	-69	-81	-105	-80	-131	-144	6	128	139		
2000	Above Normal	126	114	86	4	-71	-125	-158	-183	-175	-17	117	143		
2001	Dry	123	96	66	28	24	-17	-33	-137	-59	88	172	161		
2002	Dry	172	169	103	34	8	25	-59	-103	-64	63	165	165		
2003	Below Normal	173	127	75	7	-27	-13	28	-23	-85	59	152	155		

**Percent Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)
From Existing Condition**

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	58%	46%	11%	-13%	-23%	-2%	57%	38%	-35%	-32%	-1%	17%
1923	Above Normal	12%	2%	-20%	-23%	-23%	-23%	-22%	-33%	-26%	-7%	44%	59%
1924	Critical	37%	16%	6%	-2%	-1%	-1%	-11%	-10%	23%	87%	134%	106%
1925	Below Normal	126%	128%	90%	61%	26%	37%	10%	-10%	-8%	18%	76%	86%
1926	Dry	64%	50%	30%	17%	5%	6%	-21%	-35%	-25%	19%	97%	94%
1927	Above Normal	91%	57%	22%	2%	-23%	-25%	-26%	-28%	-30%	-15%	33%	60%
1928	Below Normal	46%	10%	-6%	-17%	-18%	-27%	-30%	-35%	-23%	23%	88%	90%
1929	Critical	112%	121%	94%	72%	77%	104%	74%	24%	36%	86%	130%	90%
1930	Critical	121%	151%	123%	90%	77%	96%	36%	33%	29%	87%	133%	90%
1931	Critical	99%	89%	71%	52%	42%	68%	36%	29%	66%	130%	160%	119%
1932	Above Normal	137%	160%	76%	28%	-17%	-17%	-13%	-20%	-29%	-20%	27%	55%
1933	Dry	47%	34%	21%	6%	10%	12%	12%	50%	20%	41%	100%	86%
1934	Critical	85%	89%	50%	20%	12%	-1%	-21%	-16%	14%	74%	114%	101%
1935	Above Normal	112%	111%	68%	23%	1%	13%	-2%	-28%	-34%	-12%	42%	66%
1936	Above Normal	53%	34%	20%	2%	-23%	-29%	-35%	-35%	-32%	-10%	41%	66%
1937	Wet	60%	45%	20%	3%	-23%	-27%	-35%	-35%	-35%	-19%	28%	54%
1938	Wet	43%	28%	-21%	-23%	-19%	-14%	-6%	11%	-14%	-14%	-19%	-2%
1939	Dry	-5%	-9%	-17%	-23%	-23%	-29%	-35%	-33%	-12%	36%	118%	105%
1940	Above Normal	88%	94%	78%	6%	-18%	-28%	-32%	-35%	-32%	1%	89%	119%
1941	Wet	105%	81%	18%	-17%	-23%	-24%	-17%	-22%	-35%	-35%	-10%	12%
1942	Wet	10%	1%	-21%	-23%	-23%	-27%	-19%	-15%	-35%	-32%	-2%	18%
1943	Wet	13%	-4%	-17%	-18%	-23%	-29%	-35%	-35%	-31%	-10%	40%	62%
1944	Below Normal	57%	40%	23%	7%	3%	1%	9%	-7%	-4%	27%	84%	81%
1945	Above Normal	70%	37%	8%	-8%	-23%	-23%	-26%	-26%	-28%	-16%	29%	51%
1946	Above Normal	25%	-4%	-23%	-23%	-23%	-25%	-28%	-35%	-31%	-4%	56%	76%
1947	Dry	56%	18%	-12%	-23%	-23%	-27%	-28%	-35%	-19%	28%	100%	91%
1948	Below Normal	94%	94%	74%	55%	61%	125%	105%	49%	16%	44%	114%	95%
1949	Below Normal	76%	71%	49%	32%	28%	43%	19%	-9%	-11%	36%	104%	90%
1950	Below Normal	75%	68%	46%	19%	-2%	5%	-14%	-26%	-22%	14%	86%	85%
1951	Above Normal	67%	-5%	-11%	-23%	-23%	-25%	-23%	-22%	-12%	23%	81%	81%
1952	Wet	76%	70%	23%	-21%	-19%	-13%	-9%	-29%	-33%	-34%	-17%	-1%
1953	Below Normal	1%	0%	-12%	-23%	-23%	-23%	-13%	-13%	3%	22%	78%	79%
1954	Below Normal	79%	77%	56%	31%	16%	13%	-10%	-31%	-24%	7%	70%	87%
1955	Dry	76%	64%	35%	12%	9%	9%	19%	15%	-1%	40%	99%	87%
1956	Wet	87%	88%	0%	1%	-23%	-29%	-18%	-8%	-17%	-17%	18%	42%
1957	Below Normal	28%	16%	4%	-9%	-14%	-13%	-5%	-5%	-17%	10%	65%	70%
1958	Wet	57%	48%	20%	1%	-16%	-9%	-13%	-25%	-35%	-8%	9%	9%
1959	Dry	10%	8%	1%	-12%	-22%	-29%	-35%	-32%	-15%	34%	132%	92%
1960	Critical	90%	101%	86%	66%	48%	57%	11%	1%	16%	73%	112%	95%
1961	Critical	105%	86%	53%	37%	25%	44%	15%	15%	41%	114%	132%	104%
1962	Below Normal	116%	131%	93%	65%	-5%	6%	-6%	-21%	-30%	-15%	33%	57%
1963	Above Normal	45%	31%	20%	2%	-23%	-24%	-17%	-19%	-26%	-16%	28%	48%
1964	Dry	36%	6%	-9%	-19%	-16%	-15%	-17%	-16%	-2%	48%	102%	91%
1965	Wet	109%	92%	8%	-22%	-23%	-17%	-7%	-10%	-15%	2%	31%	49%
1966	Below Normal	41%	-1%	-21%	-23%	-23%	-29%	-35%	-35%	-20%	32%	122%	113%
1967	Wet	131%	116%	-10%	-23%	-23%	-12%	-8%	2%	-35%	-14%	-23%	-6%
1968	Dry	13%	17%	9%	-4%	2%	-10%	-21%	-21%	-3%	44%	113%	98%
1969	Wet	105%	83%	41%	2%	-10%	37%	81%	-19%	-14%	-14%	-24%	-4%
1970	Above Normal	7%	6%	-5%	-23%	-23%	-29%	-28%	-28%	-24%	9%	63%	70%
1971	Below Normal	71%	54%	12%	-11%	-18%	-15%	-7%	-14%	-7%	29%	86%	79%
1972	Dry	67%	55%	18%	0%	-6%	-18%	-12%	-12%	1%	62%	148%	91%
1973	Above Normal	94%	79%	41%	5%	-18%	-16%	12%	-27%	-35%	-15%	34%	57%
1974	Wet	40%	1%	-23%	-23%	-23%	-26%	-17%	-28%	-35%	-16%	24%	44%
1975	Wet	33%	18%	2%	-12%	-19%	-24%	-7%	-8%	-31%	-13%	42%	61%
1976	Critical	27%	2%	-8%	-15%	-18%	-23%	-26%	-23%	9%	83%	137%	87%
1977	Critical	85%	81%	70%	56%	53%	52%	39%	56%	84%	138%	160%	125%
1978	Wet	144%	160%	63%	-6%	-23%	-29%	-17%	-21%	-16%	-14%	-22%	-23%
1979	Above Normal	-14%	-13%	-18%	-23%	-23%	-29%	-34%	-16%	-26%	-6%	49%	70%
1980	Wet	53%	30%	11%	-10%	-16%	-28%	-30%	-32%	-25%	-14%	-18%	-2%
1981	Dry	-4%	-8%	-15%	-23%	-23%	-27%	-29%	-35%	-23%	25%	90%	84%
1982	Wet	91%	48%	13%	-19%	-23%	-23%	-35%	-35%	-15%	-15%	-23%	-23%
1983	Wet	-23%	-17%	-18%	-18%	-23%	-23%	25%	111%	-14%	-14%	-18%	-24%
1984	Above Normal	-16%	-17%	-16%	-17%	-18%	-16%	-15%	-17%	-26%	2%	51%	60%
1985	Dry	45%	19%	0%	-13%	-16%	-16%	-28%	-35%	-19%	27%	106%	87%
1986	Wet	86%	68%	23%	-8%	-13%	-29%	-33%	-31%	-25%	-25%	9%	24%
1987	Critical	13%	6%	-2%	-12%	-13%	-18%	-27%	-29%	-10%	34%	104%	98%
1988	Critical	100%	95%	67%	28%	20%	23%	-1%	-4%	15%	73%	113%	91%
1989	Critical	117%	137%	99%	70%	59%	44%	0%	-10%	7%	68%	114%	89%
1990	Critical	94%	96%	71%	47%	41%	45%	5%	10%	38%	89%	119%	102%
1991	Critical	122%	153%	127%	104%	115%	104%	92%	58%	33%	86%	132%	83%
1992	Critical	99%	102%	72%	47%	24%	28%	-8%	-18%	11%	67%	109%	93%
1993	Wet	114%	125%	80%	-10%	-23%	-19%	-3%	-23%	-35%	-33%	-5%	12%
1994	Critical	7%	1%	-8%	-18%	-18%	-24%	-29%	-30%	-16%	-30%	101%	93%
1995	Wet	72%	53%	24%	-22%	-23%	-27%	-17%	-11%	-20%	-14%	-21%	-12%
1996	Wet	16%	26%	14%	-7%	-23%	-20%	-16%	-14%	-17%	-18%	22%	39%
1997	Wet	32%	-5%	-21%	-3%	-18%	-16%	-15%	-14%	-27%	1%	65%	83%
1998	Wet	68%	44%	19%	-14%	-23%	-23%	-32%	-2%	-17%	-14%	-25%	-6%
1999	Above Normal	11%	10%	-1%	-17%	-19%	-24%	-19%	-28%	-30%	2%	60%	69%
2000	Above Normal	59%	50%	34%	1%	-17%	-27%	-32%	-35%	-34%	-5%	52%	72%
2001	Dry	57%	39%	24%	9%	8%	-5%	-9%	-29%	-15%	35%	102%	90%
2002	Dry	103%	98%	44%	11%	2%	8%	-15%	-23%	-16%	23%	94%	94%
2003	Below Normal	104%	60%	28%	2%	-7%	-4%	9%	-6%	-20%	21%	81%	84%

Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 4 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	532	550	623	706	797	760	730	913	1,271	1,208	986	827
1923	Above Normal	745	737	794	848	812	806	796	853	781	659	509	473
1924	Critical	496	531	548	563	553	552	587	581	480	382	342	360
1925	Below Normal	344	343	372	405	462	441	503	577	573	499	408	398
1926	Dry	420	434	465	491	521	520	626	736	664	499	384	385
1927	Above Normal	385	422	482	535	649	659	657	739	822	703	530	473
1928	Below Normal	481	548	590	623	626	675	708	772	688	523	425	420
1929	Critical	395	381	396	410	401	376	403	480	452	382	344	373
1930	Critical	346	327	344	370	382	364	441	445	454	374	339	371
1931	Critical	363	371	390	414	430	394	440	454	396	340	325	346
1932	Above Normal	334	325	387	459	601	601	583	622	737	681	521	468
1933	Dry	471	485	502	529	516	510	509	434	491	450	379	391
1934	Critical	388	382	426	478	499	536	623	597	493	391	355	364
1935	Above Normal	354	355	396	469	529	493	540	669	790	656	500	459
1936	Above Normal	467	489	510	549	702	763	796	929	885	714	534	475
1937	Wet	469	481	517	563	757	876	961	1,216	1,304	1,104	851	714
1938	Wet	648	644	822	910	940	1,007	1,080	1,194	1,331	1,331	1,298	1,124
1939	Dry	1,049	1,032	1,033	1,055	991	1,033	1,134	1,069	870	643	479	454
1940	Above Normal	451	436	441	560	647	704	720	859	871	688	512	463
1941	Wet	458	471	564	688	831	898	963	1,071	1,245	1,221	1,029	866
1942	Wet	798	792	858	965	966	965	1,016	1,066	1,255	1,188	974	815
1943	Wet	731	750	771	893	939	1,103	1,189	1,329	1,267	1,062	839	717
1944	Below Normal	641	635	636	644	597	601	582	636	612	520	427	424
1945	Above Normal	430	470	529	574	771	780	747	805	834	727	546	486
1946	Above Normal	519	590	714	795	798	804	818	922	857	680	511	468
1947	Dry	481	541	628	675	691	716	722	785	673	513	411	413
1948	Below Normal	404	398	412	428	418	356	370	430	493	433	354	368
1949	Below Normal	385	391	419	449	456	428	476	566	577	446	362	374
1950	Below Normal	389	397	426	479	542	517	598	667	648	520	409	410
1951	Above Normal	425	574	875	1,080	1,169	1,155	1,089	1,010	887	699	531	479
1952	Wet	463	458	523	660	708	729	836	1,111	1,331	1,331	1,186	1,026
1953	Below Normal	926	899	913	984	928	916	883	794	701	620	496	464
1954	Below Normal	447	439	455	484	500	507	587	705	664	534	420	401
1955	Dry	409	419	458	505	528	511	486	498	546	445	374	384
1956	Wet	382	380	675	941	1,136	1,202	1,228	1,237	1,331	1,304	1,131	968
1957	Below Normal	891	879	871	875	820	800	739	707	740	621	491	458
1958	Wet	461	465	509	549	611	642	771	1,023	1,218	1,179	1,019	882
1959	Dry	794	771	762	784	773	839	877	838	714	536	404	421
1960	Critical	414	396	403	416	435	421	510	539	493	394	356	369
1961	Critical	359	375	414	441	463	427	488	486	434	352	339	359
1962	Below Normal	349	339	368	397	548	514	561	640	713	636	497	460
1963	Above Normal	471	488	503	542	721	728	686	690	747	673	522	479
1964	Dry	488	550	594	624	607	603	614	605	550	430	367	375
1965	Wet	359	373	509	745	844	809	751	748	739	642	537	488
1966	Below Normal	487	580	656	718	721	756	834	884	761	564	438	430
1967	Wet	408	410	622	702	773	787	841	931	1,295	1,331	1,325	1,184
1968	Dry	1,084	1,062	1,071	1,097	1,060	1,086	1,095	1,044	866	643	483	453
1969	Wet	428	438	483	713	845	783	863	1,219	1,331	1,331	1,308	1,131
1970	Above Normal	1,050	1,032	1,050	1,191	1,163	1,206	1,138	1,065	961	741	552	489
1971	Below Normal	464	474	545	611	625	611	625	624	595	497	417	423
1972	Dry	431	440	501	543	564	616	587	587	539	409	335	374
1973	Above Normal	371	384	436	518	607	595	557	778	884	712	529	471
1974	Wet	485	568	661	800	824	897	957	1,121	1,208	1,013	804	694
1975	Wet	638	640	655	672	653	677	583	649	831	692	515	471
1976	Critical	516	571	599	618	622	649	665	646	517	387	342	378
1977	Critical	379	383	395	412	416	418	438	410	377	336	325	345
1978	Wet	332	325	402	556	731	841	921	1,087	1,331	1,331	1,312	1,265
1979	Above Normal	1,169	1,147	1,148	1,220	1,203	1,263	1,304	1,331	1,331	1,126	882	747
1980	Wet	677	683	693	939	1,125	1,241	1,296	1,283	1,331	1,331	1,282	1,109
1981	Dry	1,013	991	989	1,000	933	948	943	962	828	609	471	454
1982	Wet	434	477	536	646	761	821	1,119	1,287	1,331	1,331	1,316	1,240
1983	Wet	1,296	1,331	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,331
1984	Above Normal	1,278	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,326	1,125	931	808
1985	Dry	737	754	772	784	727	726	790	829	710	535	416	423
1986	Wet	416	429	494	580	858	1,139	1,217	1,309	1,331	1,267	1,059	908
1987	Critical	826	808	796	793	723	744	786	779	654	498	386	378
1988	Critical	372	376	404	464	480	471	539	550	490	393	355	372
1989	Critical	350	337	364	393	406	428	531	571	510	398	354	375
1990	Critical	370	367	392	424	435	427	516	502	439	374	349	361
1991	Critical	345	326	341	358	349	357	367	405	447	375	339	377
1992	Critical	362	359	388	421	463	456	560	603	497	398	357	370
1993	Wet	352	344	382	570	666	711	752	940	1,067	1,017	829	708
1994	Critical	647	633	636	646	598	629	665	672	594	456	366	373
1995	Wet	393	417	470	672	765	953	1,004	1,077	1,331	1,331	1,331	1,250
1996	Wet	1,141	1,107	1,125	1,178	1,266	1,331	1,331	1,331	1,331	1,242	1,019	874
1997	Wet	800	862	1,051	1,266	1,331	1,331	1,331	1,331	1,316	1,088	847	728
1998	Wet	655	656	672	747	889	958	1,076	1,053	1,331	1,331	1,330	1,199
1999	Above Normal	1,120	1,108	1,133	1,185	1,183	1,181	1,094	1,067	999	765	566	489
2000	Above Normal	478	479	494	562	620	669	700	808	823	645	494	458
2001	Dry	467	486	506	532	531	572	588	691	612	463	376	385
2002	Dry	371	373	436	503	528	511	595	639	601	474	372	372
2003	Below Normal	362	407	460	527	561	548	517	575	641	507	417	413

Change in Simulated End-of-Month Temperance Flat Reservoir Storage (Node S17)
Alternative 4 - Existing Condition (taf)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			532	550	623	706	797	760	730	913	1,271	1,208	986	827
1923	Above Normal			745	737	794	848	812	806	796	853	781	659	509	473
1924	Critical			496	531	548	563	553	552	587	581	480	382	342	360
1925	Below Normal			344	343	372	405	462	441	503	577	573	499	408	398
1926	Dry			420	434	465	491	521	520	626	736	664	499	384	385
1927	Above Normal			385	422	482	535	649	659	657	739	822	703	530	473
1928	Below Normal			481	548	590	623	626	675	708	772	688	523	425	420
1929	Critical			395	381	396	410	401	376	403	480	452	382	344	373
1930	Critical			346	327	344	370	382	364	441	445	454	374	339	371
1931	Critical			363	371	390	414	430	394	440	454	396	340	325	346
1932	Above Normal			334	325	387	459	601	601	583	622	737	681	521	468
1933	Dry			471	485	502	529	516	510	509	434	491	450	379	391
1934	Critical			388	382	426	478	499	536	623	597	493	391	355	364
1935	Above Normal			354	355	396	469	529	493	540	669	790	656	500	459
1936	Above Normal			467	489	510	549	702	763	796	929	885	714	534	475
1937	Wet			469	481	517	563	757	876	961	1,216	1,304	1,104	851	714
1938	Wet			648	644	822	910	940	1,007	1,080	1,194	1,331	1,331	1,298	1,124
1939	Dry			1,049	1,032	1,033	1,055	991	1,033	1,134	1,069	870	643	479	454
1940	Above Normal			451	436	441	560	647	704	720	859	871	688	512	463
1941	Wet			458	471	564	688	831	898	963	1,071	1,245	1,221	1,029	866
1942	Wet			798	792	858	965	966	965	1,016	1,066	1,255	1,188	974	815
1943	Wet			731	750	771	893	939	1,103	1,189	1,329	1,267	1,062	839	717
1944	Below Normal			641	635	636	644	597	601	582	636	612	520	427	424
1945	Above Normal			430	470	529	574	771	780	747	805	834	727	546	486
1946	Above Normal			519	590	714	795	798	804	818	922	857	680	511	468
1947	Dry			481	541	628	675	691	716	722	785	673	513	411	413
1948	Below Normal			404	398	412	428	418	356	370	430	493	433	354	368
1949	Below Normal			385	391	419	449	456	428	476	566	577	446	362	374
1950	Below Normal			389	397	426	479	542	517	598	667	648	520	409	410
1951	Above Normal			425	574	875	1,080	1,169	1,155	1,089	1,010	887	699	531	479
1952	Wet			463	458	523	660	708	729	836	1,111	1,331	1,331	1,186	1,026
1953	Below Normal			926	899	913	984	928	916	883	794	701	620	496	464
1954	Below Normal			447	439	455	484	500	507	587	705	664	534	420	401
1955	Dry			409	419	458	505	528	511	486	498	546	445	374	384
1956	Wet			382	380	675	941	1,136	1,202	1,228	1,237	1,331	1,304	1,131	968
1957	Below Normal			891	879	871	875	820	800	739	707	740	621	491	458
1958	Wet			461	465	509	549	611	642	771	1,023	1,218	1,179	1,019	882
1959	Dry			794	771	762	784	773	839	877	838	714	536	404	421
1960	Critical			414	396	403	416	435	421	510	539	493	394	356	369
1961	Critical			359	375	414	441	463	427	488	486	434	352	339	359
1962	Below Normal			349	339	368	397	548	514	561	640	713	636	497	460
1963	Above Normal			471	488	503	542	721	728	686	690	747	673	522	479
1964	Dry			488	550	594	624	607	603	614	605	550	430	367	375
1965	Wet			359	373	509	745	844	809	751	748	739	642	537	488
1966	Below Normal			487	580	656	718	721	756	834	884	761	564	438	430
1967	Wet			408	410	622	702	773	787	841	931	1,295	1,331	1,325	1,184
1968	Dry			1,084	1,062	1,071	1,097	1,060	1,086	1,095	1,044	866	643	483	453
1969	Wet			428	438	483	713	845	783	863	1,219	1,331	1,331	1,308	1,131
1970	Above Normal			1,050	1,032	1,050	1,191	1,163	1,206	1,138	1,065	961	741	552	489
1971	Below Normal			464	474	545	611	625	611	625	624	595	497	417	423
1972	Dry			431	440	501	543	564	616	587	587	539	409	335	374
1973	Above Normal			371	384	436	518	607	595	557	778	884	712	529	471
1974	Wet			485	568	661	800	824	897	957	1,121	1,208	1,013	804	694
1975	Wet			638	640	655	672	653	677	583	649	831	692	515	471
1976	Critical			516	571	599	618	622	649	665	646	517	387	342	378
1977	Critical			379	383	395	412	416	418	438	410	377	336	325	345
1978	Wet			332	325	402	556	731	841	921	1,087	1,331	1,331	1,312	1,265
1979	Above Normal			1,169	1,147	1,148	1,220	1,203	1,263	1,304	1,331	1,331	1,126	882	747
1980	Wet			677	683	693	939	1,125	1,241	1,296	1,283	1,331	1,331	1,282	1,109
1981	Dry			1,013	991	989	1,000	933	948	943	962	828	609	471	454
1982	Wet			434	477	536	646	761	821	1,119	1,287	1,331	1,331	1,316	1,240
1983	Wet			1,296	1,331	1,331	1,328	1,319	1,331	1,161	1,052	1,331	1,331	1,331	1,331
1984	Above Normal			1,278	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,326	1,125	931	808
1985	Dry			737	754	772	784	727	726	790	829	710	535	416	423
1986	Wet			416	429	494	580	858	1,139	1,217	1,309	1,331	1,267	1,059	908
1987	Critical			826	808	796	793	723	744	786	779	654	498	386	378
1988	Critical			372	376	404	464	480	471	539	550	490	393	355	372
1989	Critical			350	337	364	393	406	428	531	571	510	398	354	375
1990	Critical			370	367	392	424	435	427	516	502	439	374	349	361
1991	Critical			345	326	341	358	349	357	367	405	447	375	339	377
1992	Critical			362	359	388	421	463	456	560	603	497	398	357	370
1993	Wet			352	344	382	570	666	711	752	940	1,067	1,017	829	708
1994	Critical			647	633	636	646	598	629	665	672	594	456	366	373
1995	Wet			393	417	470	672	765	953	1,004	1,077	1,331	1,331	1,331	1,250
1996	Wet			1,141	1,107	1,125	1,178	1,266	1,331	1,331	1,331	1,331	1,242	1,019	874
1997	Wet			800	862	1,051	1,266	1,331	1,331	1,331	1,331	1,316	1,088	847	728
1998	Wet			655	656	672	747	889	958	1,076	1,053	1,331	1,331	1,330	1,199
1999	Above Normal			1,120	1,108	1,133	1,185	1,183	1,181	1,094	1,067	999	765	556	489
2000	Above Normal			478	479	494	562	620	669	700	808	823	645	494	458
2001	Dry			467	486	506	532	531	572	588	691	612	463	376	385
2002	Dry			371	373	436	503	528	511	595	639	601	474	372	372
2003	Below Normal			362	407	460	527	561	548	517	575	641	507	417	413

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Existing Condition (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,425	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,361	1,397	1,332	1,057	1,216
1938	Wet	1,181	1,189	1,275	1,350	1,532	1,663	1,761	2,027	2,233	2,188	2,094	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,629	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,559	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,615	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,511	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,411
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Alternative 4 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,424	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	897	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,360	1,396	1,331	1,056	1,214
1938	Wet	1,179	1,187	1,273	1,349	1,531	1,662	1,759	2,026	2,232	2,187	2,093	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,630	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,558	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,614	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,512	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,412
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,881	1,846	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,474	1,722	1,444	1,078	935	770	707	881
1923	Below Normal	965	1,075	1,341	1,402	1,470	1,431	1,195	785	467	429	451	682
1924	Critical	850	1,075	1,293	1,512	1,570	1,453	1,306	1,100	739	744	464	404
1925	Dry	555	692	1,103	1,426	1,595	1,722	1,526	1,153	806	772	580	745
1926	Dry	827	998	1,193	1,458	1,499	1,346	1,212	890	606	619	470	523
1927	Wet	542	1,012	1,315	1,493	1,776	1,891	1,575	1,132	767	716	716	853
1928	Above Normal	846	936	1,408	1,516	1,435	1,680	1,382	946	558	464	480	665
1929	Critical	701	677	1,009	1,126	1,200	1,310	1,243	1,076	767	529	481	452
1930	Dry	534	646	982	1,222	1,412	1,534	1,401	1,148	794	827	642	854
1931	Critical	905	1,028	1,180	1,467	1,653	1,617	1,447	1,199	818	643	343	271
1932	Dry	337	447	1,087	1,433	1,798	1,918	1,712	1,430	984	902	892	971
1933	Critical	1,055	1,174	1,429	1,732	1,976	1,990	1,846	1,608	1,215	892	778	792
1934	Critical	850	927	1,250	1,576	1,765	1,751	1,568	1,333	929	501	281	289
1935	Below Normal	336	505	835	1,183	1,392	1,519	1,313	932	686	605	511	731
1936	Below Normal	858	1,014	1,279	1,429	1,879	2,039	1,815	1,477	1,100	1,045	977	1,095
1937	Below Normal	1,247	1,373	1,770	1,923	2,039	2,039	1,855	1,616	1,385	1,288	1,075	1,056
1938	Wet	1,191	1,579	1,942	2,039	2,039	2,039	1,959	2,039	1,944	1,737	1,539	1,543
1939	Dry	1,556	1,311	1,681	1,688	1,651	1,445	1,135	751	236	195	100	295
1940	Above Normal	267	337	434	645	895	1,287	1,068	693	362	241	233	391
1941	Wet	448	479	821	1,158	1,699	2,010	1,761	1,406	1,137	985	929	1,078
1942	Wet	1,047	1,106	1,383	1,594	1,752	1,855	1,509	1,079	802	624	591	701
1943	Wet	706	763	986	1,291	1,482	1,859	1,585	1,189	770	540	425	550
1944	Dry	515	485	899	996	1,090	1,142	956	639	312	391	333	312
1945	Below Normal	381	872	1,222	1,524	1,871	2,039	1,731	1,268	755	657	645	762
1946	Below Normal	973	1,356	1,661	1,831	1,944	1,991	1,672	1,224	731	648	636	775
1947	Dry	971	1,257	1,544	1,644	1,698	1,579	1,311	877	382	328	152	336
1948	Below Normal	462	682	824	853	684	787	617	312	202	194	307	547
1949	Dry	697	890	1,237	1,514	1,744	1,758	1,446	993	459	354	160	358
1950	Below Normal	357	478	668	785	894	1,111	873	504	372	327	348	575
1951	Above Normal	828	1,270	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,405	1,499	1,878	1,709	1,511	1,455	1,243	1,138	1,249
1953	Wet	1,232	1,230	1,566	1,537	1,532	1,551	1,240	843	422	429	506	736
1954	Above Normal	681	719	1,195	1,197	1,204	1,315	1,050	649	297	118	176	407
1955	Dry	470	702	1,232	1,532	1,734	1,788	1,565	1,193	612	611	400	583
1956	Wet	606	874	1,376	1,823	2,039	2,039	1,712	1,228	917	719	617	699
1957	Above Normal	683	712	1,119	1,144	965	822	616	320	151	129	238	464
1958	Wet	840	1,074	1,359	1,558	1,805	2,039	1,862	1,492	1,297	996	810	919
1959	Below Normal	932	900	1,302	1,165	1,084	1,124	933	563	207	189	249	432
1960	Dry	525	661	847	1,115	1,231	1,323	1,015	667	230	149	100	300
1961	Dry	251	486	990	1,252	1,315	1,506	1,245	869	256	244	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,684	1,795	1,500	1,081	725	711	757	865
1964	Dry	944	1,347	1,615	1,743	1,808	1,817	1,496	1,074	451	432	255	464
1965	Wet	474	558	799	1,132	1,306	1,482	1,227	759	338	214	310	497
1966	Below Normal	439	739	1,239	1,360	1,410	1,435	1,184	768	290	225	255	490
1967	Wet	552	768	1,092	1,392	1,589	1,799	1,624	1,356	1,312	1,205	1,060	1,192
1968	Below Normal	1,272	1,144	1,567	1,572	1,392	1,410	1,139	768	328	341	417	612
1969	Wet	778	1,021	1,546	1,842	2,039	2,039	2,011	2,039	2,022	1,870	1,671	1,654
1970	Wet	1,693	1,464	1,707	1,981	2,039	2,039	1,730	1,269	745	634	618	595
1971	Wet	604	790	1,024	1,061	1,051	1,203	973	591	268	270	357	587
1972	Below Normal	666	624	1,165	1,429	1,434	1,409	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,413	1,603	1,825	1,959	1,659	1,267	879	796	781	755
1974	Wet	980	1,366	1,656	1,853	1,910	2,036	1,712	1,209	817	606	587	703
1975	Wet	818	837	1,282	1,307	1,260	1,467	1,138	674	382	301	357	543
1976	Critical	805	780	1,244	1,327	1,370	1,463	1,294	974	538	464	260	343
1977	Critical	380	455	537	727	843	753	647	548	359	182	235	183
1978	Above Normal	210	239	375	660	1,093	1,424	1,286	1,073	960	852	777	952
1979	Below Normal	992	1,036	1,484	1,615	1,772	1,933	1,647	1,301	811	750	760	790
1980	Above Normal	975	1,055	1,527	1,873	2,039	2,039	1,812	1,441	1,182	1,066	870	536
1981	Dry	616	682	1,128	1,156	1,121	1,150	947	573	249	203	102	333
1982	Wet	469	899	1,157	1,446	1,948	2,039	2,039	1,785	1,537	1,262	1,084	1,200
1983	Wet	1,454	1,720	2,039	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,818	2,039	1,855	1,550	1,377	1,246	1,002	938
1987	Dry	932	744	1,177	1,216	1,214	1,257	1,046	813	480	465	219	220
1988	Critical	294	436	740	935	883	874	789	623	303	422	369	294
1989	Dry	291	532	840	1,178	1,218	1,211	995	603	262	217	100	331
1990	Critical	390	481	727	979	1,072	1,024	859	666	293	480	379	296
1991	Critical	314	401	581	591	687	684	600	423	260	360	231	136
1992	Critical	122	242	364	485	581	717	579	368	148	145	181	100
1993	Above Normal	100	184	420	715	1,000	1,181	874	465	307	236	256	461
1994	Critical	555	577	1,065	1,203	1,302	1,317	1,088	757	192	189	100	134
1995	Wet	144	303	444	695	921	1,421	1,190	1,297	1,193	1,070	923	1,048
1996	Wet	923	804	980	938	1,240	1,586	1,271	910	540	414	411	586
1997	Wet	469	561	1,070	1,512	1,873	2,039	1,701	1,220	791	544	538	702
1998	Wet	667	576	1,028	1,022	1,371	1,724	1,533	1,244	1,156	1,026	866	996
1999	Wet	1,245	1,396	1,547	1,636	1,755	1,904	1,602	1,163	795	750	770	919
2000	Above Normal	630	649	1,071	1,020	1,242	1,544	1,257	820	454	259	269	481
2001	Dry	450	515	991	1,240	1,384	1,526	1,361	1,043	671	697	413	474
2002	Dry	501	736	1,105	1,326	1,531	1,610	1,311	904	446	461	219	398
2003	Above Normal	302	435	620	788	1,004	1,168	923	545	337	297	358	536

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 4 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	601	717	1,129	1,351	1,441	1,681	1,390	937	741	541	458	611
1923	Below Normal	688	841	1,094	1,144	1,202	1,125	837	511	355	290	268	457
1924	Critical	654	806	1,092	1,271	1,290	1,155	992	765	412	223	105	120
1925	Dry	186	188	413	715	867	1,079	895	571	295	338	215	415
1926	Dry	497	681	900	1,167	1,212	1,050	907	561	250	247	130	173
1927	Wet	205	647	925	1,094	1,375	1,490	1,181	748	389	354	373	517
1928	Above Normal	518	613	1,090	1,201	1,126	1,375	1,088	652	339	203	194	369
1929	Critical	405	382	720	886	1,004	1,126	1,058	892	577	351	434	453
1930	Dry	515	603	821	1,047	1,235	1,354	1,226	978	641	681	503	720
1931	Critical	769	891	1,049	1,335	1,521	1,482	1,312	1,063	682	521	246	269
1932	Dry	335	398	968	1,307	1,671	1,789	1,584	1,302	857	776	910	1,023
1933	Critical	1,107	1,226	1,481	1,783	2,028	2,039	1,892	1,650	1,253	897	769	761
1934	Critical	833	891	1,192	1,517	1,704	1,692	1,515	1,289	899	485	290	299
1935	Below Normal	308	502	848	1,197	1,407	1,534	1,323	937	657	572	475	693
1936	Below Normal	821	978	1,242	1,392	1,866	2,039	1,803	1,402	1,024	970	903	1,023
1937	Below Normal	1,175	1,301	1,697	1,851	2,039	2,039	1,837	1,557	1,269	1,175	951	935
1938	Wet	1,073	1,463	1,828	2,015	2,039	2,039	1,929	1,729	1,675	1,495	1,343	1,407
1939	Dry	1,431	1,213	1,566	1,575	1,540	1,343	1,052	673	157	134	100	291
1940	Above Normal	265	361	444	667	929	1,320	1,098	682	343	211	215	397
1941	Wet	453	472	812	1,147	1,675	1,991	1,744	1,380	1,112	966	914	1,065
1942	Wet	1,038	1,099	1,378	1,571	1,718	1,822	1,477	1,050	773	599	573	713
1943	Wet	718	778	1,002	1,240	1,413	1,780	1,481	1,061	647	424	314	439
1944	Dry	409	416	832	956	1,075	1,137	952	637	313	391	338	318
1945	Below Normal	388	880	1,232	1,535	1,808	2,012	1,707	1,248	741	651	644	766
1946	Below Normal	959	1,343	1,648	1,807	1,931	1,979	1,661	1,215	726	647	638	775
1947	Dry	971	1,258	1,544	1,645	1,699	1,581	1,313	878	381	325	145	328
1948	Below Normal	456	675	818	850	684	788	618	310	201	193	306	547
1949	Dry	696	890	1,237	1,514	1,744	1,758	1,447	993	458	353	157	355
1950	Below Normal	352	473	663	782	893	1,111	872	504	372	327	348	575
1951	Above Normal	829	1,271	1,830	2,039	2,039	2,039	1,740	1,279	858	640	602	746
1952	Wet	759	973	1,208	1,400	1,494	1,839	1,629	1,396	1,304	1,101	1,007	1,161
1953	Wet	1,147	1,245	1,566	1,487	1,485	1,524	1,248	856	444	462	546	780
1954	Above Normal	729	762	1,236	1,231	1,232	1,335	1,068	662	301	119	174	404
1955	Dry	467	698	1,227	1,527	1,727	1,782	1,561	1,190	612	615	405	580
1956	Wet	604	874	1,308	1,790	2,011	2,039	1,712	1,228	917	718	616	700
1957	Above Normal	684	713	1,120	1,145	966	823	617	320	151	130	239	465
1958	Wet	841	1,074	1,359	1,558	1,805	2,039	1,819	1,420	1,220	931	754	865
1959	Below Normal	880	859	1,263	1,129	1,051	1,098	892	529	205	192	257	439
1960	Dry	531	667	853	1,122	1,239	1,331	1,022	673	230	151	100	304
1961	Dry	261	498	1,002	1,261	1,321	1,510	1,249	872	258	246	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,677	1,788	1,494	1,076	722	709	757	864
1964	Dry	944	1,347	1,615	1,744	1,810	1,819	1,498	1,076	452	432	256	465
1965	Wet	475	560	800	1,113	1,259	1,437	1,185	723	316	205	308	498
1966	Below Normal	441	736	1,239	1,363	1,418	1,443	1,173	759	284	223	256	488
1967	Wet	552	769	1,093	1,395	1,585	1,791	1,574	1,270	1,204	1,078	935	1,070
1968	Below Normal	1,143	1,095	1,526	1,532	1,353	1,371	1,103	731	289	296	370	566
1969	Wet	715	966	1,496	1,771	2,039	2,039	1,974	2,039	2,023	1,872	1,673	1,666
1970	Wet	1,706	1,477	1,721	1,995	2,039	2,039	1,734	1,273	748	636	618	593
1971	Wet	602	787	1,020	1,057	1,047	1,199	970	588	268	270	358	588
1972	Below Normal	666	624	1,166	1,430	1,435	1,410	1,174	775	302	271	333	558
1973	Above Normal	715	1,152	1,414	1,603	1,825	1,959	1,659	1,204	811	729	715	755
1974	Wet	938	1,323	1,614	1,770	1,825	1,967	1,614	1,114	737	545	546	700
1975	Wet	823	841	1,290	1,322	1,281	1,493	1,161	694	396	310	361	544
1976	Critical	808	782	1,244	1,324	1,365	1,457	1,290	971	537	465	261	347
1977	Critical	382	458	541	730	846	756	645	546	357	180	233	181
1978	Above Normal	208	236	373	658	1,038	1,333	1,165	921	742	610	547	728
1979	Below Normal	778	875	1,335	1,503	1,718	1,930	1,616	1,222	734	675	688	771
1980	Above Normal	993	1,072	1,545	1,764	2,039	2,039	1,822	1,462	1,208	995	837	739
1981	Dry	800	764	1,220	1,246	1,214	1,166	962	587	236	195	104	328
1982	Wet	465	894	1,151	1,442	1,911	2,039	2,039	1,740	1,461	1,187	1,009	1,125
1983	Wet	1,376	1,593	1,966	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,685	2,039	1,835	1,504	1,320	1,190	1,022	891
1987	Dry	879	705	1,138	1,177	1,175	1,218	1,012	785	461	444	204	209
1988	Critical	286	430	736	933	881	873	788	624	304	423	370	296
1989	Dry	293	534	842	1,180	1,221	1,214	998	606	266	222	100	329
1990	Critical	388	478	725	977	1,070	1,022	858	664	291	479	377	294
1991	Critical	312	399	580	589	686	682	599	423	260	360	230	134
1992	Critical	121	243	363	482	578	714	577	366	146	145	181	100
1993	Above Normal	100	184	417	713	995	1,174	868	459	305	235	255	460
1994	Critical	554	574	1,063	1,202	1,303	1,318	1,089	758	193	189	100	135
1995	Wet	144	303	444	695	902	1,370	1,118	912	770	670	540	672
1996	Wet	550	523	702	777	1,169	1,498	1,180	828	473	370	404	589
1997	Wet	474	569	1,074	1,520	1,886	2,039	1,689	1,206	777	528	566	731
1998	Wet	675	575	1,027	1,020	1,346	1,697	1,490	1,190	1,137	1,044	919	1,068
1999	Wet	1,234	1,387	1,540	1,639	1,764	1,911	1,618	1,176	805	757	774	709
2000	Above Normal	622	643	1,065	1,012	1,230	1,530	1,245	808	442	245	255	467
2001	Dry	437	504	976	1,231	1,381	1,525	1,359	1,039	666	700	410	470
2002	Dry	496	731	1,099	1,320	1,524	1,603	1,306	899	442	458	213	400
2003	Above Normal	305	434	624	789	1,003	1,167	922	544	336	297	358	537

Change in Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
 Alternative 4 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	0	0	0	-23	-33	-41	-54	-142	-194	-228	-249	-270
1923	Below Normal	-277	-234	-247	-258	-268	-307	-358	-275	-112	-139	-183	-224
1924	Critical	-196	-269	-201	-242	-280	-298	-314	-335	-327	-521	-359	-284
1925	Dry	-370	-503	-690	-711	-727	-643	-630	-582	-512	-434	-365	-330
1926	Dry	-330	-317	-294	-292	-286	-296	-306	-330	-356	-372	-340	-350
1927	Wet	-337	-366	-390	-399	-401	-401	-394	-384	-378	-362	-343	-336
1928	Above Normal	-328	-323	-318	-315	-309	-305	-294	-295	-219	-261	-286	-296
1929	Critical	-297	-295	-290	-240	-195	-184	-185	-184	-190	-178	-47	1
1930	Dry	-19	-43	-161	-175	-178	-179	-176	-171	-152	-146	-138	-135
1931	Critical	-136	-138	-131	-132	-132	-134	-135	-135	-136	-121	-97	-2
1932	Dry	-2	-50	-119	-126	-127	-129	-129	-128	-127	-126	18	52
1933	Critical	52	52	52	52	52	49	46	42	38	4	-10	-31
1934	Critical	-17	-36	-57	-60	-61	-59	-52	-43	-30	-16	9	9
1935	Below Normal	-27	-4	13	15	15	14	10	5	-29	-33	-6	-38
1936	Below Normal	-37	-36	-37	-36	-13	0	-12	-75	-75	-75	-75	-72
1937	Below Normal	-72	-72	-72	-72	0	0	-18	-59	-116	-114	-124	-121
1938	Wet	-118	-116	-114	-24	0	0	-30	-310	-269	-242	-197	-136
1939	Dry	-125	-97	-115	-113	-111	-102	-83	-78	-79	-61	0	-4
1940	Above Normal	-2	24	10	22	34	33	30	-12	-20	-30	-18	6
1941	Wet	5	-7	-8	-11	-23	-19	-17	-26	-25	-19	-15	-13
1942	Wet	-10	-6	-5	-23	-35	-33	-32	-29	-29	-24	-18	12
1943	Wet	12	15	16	-51	-69	-79	-104	-128	-123	-117	-111	-111
1944	Dry	-105	-69	-68	-40	-14	-5	-4	-2	1	-1	5	6
1945	Below Normal	7	8	10	11	-63	-27	-24	-20	-14	-6	-1	4
1946	Below Normal	-14	-13	-14	-24	-13	-12	-11	-9	-5	-1	2	0
1947	Dry	0	1	1	1	1	1	2	1	-1	-3	-6	-8
1948	Below Normal	-7	-6	-6	-3	0	1	1	-2	-1	-1	-1	-1
1949	Dry	-1	0	0	0	0	0	0	0	-1	-2	-2	-2
1950	Below Normal	-5	-5	-5	-3	-1	-1	-1	-1	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	-4	-5	-38	-79	-115	-151	-142	-130	-89
1953	Wet	-85	15	0	-50	-48	-27	8	14	21	33	40	43
1954	Above Normal	49	43	41	34	28	20	18	13	4	1	-2	-4
1955	Dry	-3	-4	-5	-6	-6	-6	-5	-3	0	3	5	-3
1956	Wet	-2	-1	-68	-33	-28	0	0	0	0	-1	-1	1
1957	Above Normal	1	1	0	0	1	1	1	0	0	1	1	1
1958	Wet	0	0	0	0	0	0	-43	-72	-77	-65	-56	-53
1959	Below Normal	-52	-41	-39	-36	-32	-26	-41	-35	-2	3	7	7
1960	Dry	7	6	7	7	8	7	7	7	0	3	0	3
1961	Dry	10	11	12	9	6	4	4	3	3	2	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	-7	-7	-6	-5	-3	-1	0	-1
1964	Dry	0	0	1	1	2	1	1	1	1	0	0	0
1965	Wet	1	1	1	-19	-47	-44	-43	-36	-22	-9	-2	1
1966	Below Normal	2	-2	0	3	8	8	-11	-9	-6	-2	1	-2
1967	Wet	0	1	1	3	-4	-8	-50	-85	-108	-127	-125	-122
1968	Below Normal	-128	-49	-41	-40	-40	-40	-37	-37	-39	-46	-47	-46
1969	Wet	-63	-55	-50	-71	0	0	-36	0	1	1	1	13
1970	Wet	12	14	14	14	0	0	5	4	3	2	1	-2
1971	Wet	-3	-3	-4	-4	-4	-4	-4	-3	0	0	1	1
1972	Below Normal	1	1	1	1	1	1	1	1	1	1	1	1
1973	Above Normal	1	1	1	0	0	0	0	-62	-68	-67	-67	0
1974	Wet	-43	-43	-43	-82	-85	-70	-98	-95	-80	-62	-42	-3
1975	Wet	5	4	8	16	21	26	23	19	14	9	5	2
1976	Critical	3	2	0	-3	-5	-5	-4	-3	-1	1	2	4
1977	Critical	2	3	4	3	3	3	-1	-1	-1	-1	-2	-2
1978	Above Normal	-2	-2	-2	-2	-55	-90	-121	-152	-218	-242	-231	-223
1979	Below Normal	-214	-161	-149	-112	-54	-3	-31	-80	-77	-75	-72	-19
1980	Above Normal	18	18	17	-110	0	0	10	21	27	-71	-33	202
1981	Dry	184	82	91	90	93	17	15	13	-12	-8	1	-5
1982	Wet	-4	-5	-6	-4	-36	0	0	-45	-76	-75	-75	-75
1983	Wet	-78	-127	-73	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-134	0	-19	-46	-57	-57	20	-47
1987	Dry	-53	-39	-39	-39	-39	-39	-34	-28	-19	-21	-16	-11
1988	Critical	-8	-6	-4	-3	-1	-1	0	0	1	0	1	2
1989	Dry	2	2	2	2	3	3	3	3	4	5	0	-2
1990	Critical	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1991	Critical	-2	-2	-2	-2	-2	-2	-2	0	0	0	-1	-1
1992	Critical	-2	0	-1	-3	-3	-3	-3	-3	-2	0	0	0
1993	Above Normal	0	0	-3	-3	-6	-7	-6	-5	-2	-2	-1	-1
1994	Critical	-1	-2	-2	0	1	1	1	1	1	0	0	0
1995	Wet	0	0	0	0	-19	-52	-73	-385	-423	-400	-383	-376
1996	Wet	-373	-281	-278	-162	-71	-88	-92	-82	-68	-44	-7	3
1997	Wet	5	8	4	8	13	0	-12	-14	-14	-15	29	29
1998	Wet	8	-1	-1	-1	-26	-28	-43	-54	-19	19	54	72
1999	Wet	-11	-9	-8	3	8	8	16	14	11	7	4	-10
2000	Above Normal	-8	-6	-6	-8	-13	-14	-12	-12	-12	-14	-14	-14
2001	Dry	-13	-12	-16	-9	-3	-1	-2	-4	-6	3	-3	-4
2002	Dry	-5	-5	-6	-6	-6	-6	-5	-5	-3	-2	-6	3
2003	Above Normal	3	-1	4	2	-1	-1	-1	-1	-1	0	0	1

Simulated Friant-Kern Canal Diversions (Node D18A)**Existing Condition (cfs)**

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	2,163	3,085	3,622	4,436	3,653	3,199	1,789	626	161	107	1,096	1,294
1923	Above Normal	848	1,718	2,157	3,070	3,227	2,828	1,585	560	150	96	96	717
1924	Critical	296	373	525	1,119	1,395	853	508	377	169	16	16	200
1925	Below Normal	626	1,141	1,583	2,309	2,424	2,193	1,175	428	127	74	74	420
1926	Dry	603	1,097	1,695	2,184	2,294	2,076	1,114	408	124	71	71	553
1927	Above Normal	891	1,744	3,408	4,329	3,289	2,882	1,615	570	151	98	98	731
1928	Below Normal	670	1,350	2,029	2,351	2,534	2,231	1,226	444	130	77	77	438
1929	Critical	393	494	702	1,527	1,909	1,149	671	495	210	16	16	265
1930	Critical	387	486	690	1,500	1,874	1,129	661	488	207	16	16	261
1931	Critical	210	267	372	768	954	598	368	275	0	16	16	138
1932	Above Normal	923	1,814	2,303	4,247	3,451	3,023	1,693	595	156	102	102	794
1933	Dry	607	1,105	1,532	2,236	2,347	2,124	1,139	416	125	72	72	407
1934	Critical	334	421	594	1,277	1,593	967	571	423	185	16	16	225
1935	Above Normal	854	1,665	2,098	4,151	3,102	2,719	1,526	541	146	93	93	481
1936	Above Normal	1,170	1,639	3,315	3,295	3,130	2,743	1,539	545	147	94	94	390
1937	Wet	508	1,356	1,912	4,121	3,071	2,692	1,511	536	146	629	1,292	1,908
1938	Wet	326	782	1,687	4,462	4,487	3,581	2,208	897	278	220	560	1,094
1939	Dry	788	2,299	1,382	2,011	2,113	1,913	1,030	381	119	66	66	353
1940	Above Normal	809	1,568	3,165	3,410	2,876	2,522	1,418	506	140	87	87	573
1941	Wet	2,206	3,161	2,485	4,446	3,986	3,391	2,093	853	266	209	1,409	1,916
1942	Wet	957	3,003	3,384	4,431	3,622	3,172	1,774	625	160	106	102	2,032
1943	Wet	508	1,464	3,357	3,338	3,203	2,807	1,574	557	149	95	95	712
1944	Below Normal	664	1,339	1,682	2,391	2,576	2,268	1,246	451	131	78	78	390
1945	Above Normal	942	1,856	3,267	4,211	3,550	3,110	1,740	610	158	783	1,304	976
1946	Above Normal	816	1,622	2,975	2,801	2,944	2,581	1,451	517	142	89	186	1,049
1947	Dry	613	1,117	1,714	2,227	2,338	2,115	1,135	415	125	72	72	391
1948	Below Normal	503	912	1,264	1,842	1,936	1,754	948	355	114	62	62	339
1949	Below Normal	576	1,047	1,452	2,116	2,222	2,011	1,081	398	122	69	69	386
1950	Below Normal	646	1,299	1,630	2,316	2,495	2,198	1,208	439	122	1,276	1,276	1,632
1951	Above Normal	681	1,373	1,723	2,449	2,638	2,323	1,275	460	132	79	79	1,640
1952	Wet	706	1,735	1,742	4,450	3,792	3,405	2,101	856	267	210	922	1,090
1953	Below Normal	699	1,411	1,772	2,519	2,714	2,389	1,310	471	134	81	81	468
1954	Below Normal	620	1,130	1,567	2,284	2,398	2,170	1,163	424	126	73	73	415
1955	Dry	599	1,090	1,512	2,205	2,315	2,095	1,124	411	124	70	70	1,588
1956	Wet	1,726	3,083	3,403	4,240	3,851	3,372	1,883	656	166	112	112	885
1957	Below Normal	722	1,457	1,830	2,603	2,737	2,401	1,352	485	137	84	84	632
1958	Wet	921	1,609	2,436	4,448	3,774	3,389	2,092	852	266	209	209	889
1959	Dry	942	1,080	1,463	2,130	2,237	2,025	1,088	400	122	69	69	375
1960	Critical	369	465	658	1,426	1,781	1,076	631	466	200	16	16	249
1961	Critical	306	386	543	1,163	1,450	885	526	390	173	16	16	207
1962	Below Normal	877	1,760	2,229	3,259	3,326	2,914	1,633	575	152	99	99	1,934
1963	Above Normal	963	1,900	2,422	3,926	3,653	3,199	1,789	626	161	107	107	811
1964	Dry	560	1,018	1,410	2,055	2,158	1,954	1,051	388	120	67	1,267	1,575
1965	Wet	967	1,964	2,467	3,514	3,692	3,233	1,807	632	162	108	1,026	988
1966	Below Normal	694	1,888	2,488	2,353	2,470	2,235	1,197	435	128	70	477	1,605
1967	Wet	2,435	1,116	1,555	4,204	4,482	3,626	2,520	1,720	551	485	485	1,787
1968	Dry	495	897	1,241	1,805	1,897	1,718	930	349	113	61	61	332
1969	Wet	636	541	1,223	2,994	4,480	3,423	2,238	1,529	495	430	1,454	1,748
1970	Above Normal	1,134	1,507	1,893	2,691	2,830	2,481	1,396	499	139	86	86	653
1971	Below Normal	695	1,402	1,761	2,503	2,697	2,374	1,302	469	134	81	81	449
1972	Dry	559	1,017	1,408	2,051	2,154	1,950	1,050	387	120	67	67	375
1973	Above Normal	841	2,761	1,956	4,089	3,037	2,662	1,495	531	145	109	1,291	1,191
1974	Wet	1,956	2,910	3,360	4,138	3,208	2,811	1,576	557	149	96	96	739
1975	Wet	881	1,722	3,226	4,280	3,238	2,837	1,591	562	150	96	96	720
1976	Critical	426	534	759	1,654	2,068	1,241	722	532	223	16	16	286
1977	Critical	173	221	305	617	763	476	307	231	0	16	16	119
1978	Wet	846	1,143	1,881	4,326	4,486	3,717	2,428	1,658	533	467	1,452	2,009
1979	Above Normal	1,491	1,631	3,252	3,617	3,024	2,651	1,489	529	144	91	80	377
1980	Wet	895	2,230	3,249	4,460	4,486	3,560	2,195	892	277	219	391	1,154
1981	Dry	661	1,331	1,670	2,372	2,556	2,251	1,236	448	130	77	77	1,642
1982	Wet	2,307	541	2,927	4,461	3,969	3,563	2,197	2,093	1,477	151	112	568
1983	Wet	91	956	1,480	2,351	4,467	3,870	2,873	1,959	1,393	521	1,753	2,042
1984	Above Normal	1,257	1,738	2,183	3,105	3,263	2,860	1,603	566	151	97	97	751
1985	Dry	624	1,137	1,582	2,293	2,407	2,178	1,167	425	126	74	74	390
1986	Wet	465	3,033	3,530	4,429	3,498	3,064	1,715	602	157	103	103	804
1987	Critical	500	906	1,253	1,822	1,914	1,734	938	351	114	61	61	323
1988	Critical	389	489	693	1,507	1,883	1,134	663	490	208	16	16	262
1989	Critical	409	514	730	1,590	1,987	1,195	696	514	216	16	16	275
1990	Critical	316	399	562	1,205	1,503	915	543	402	178	16	16	214
1991	Critical	440	553	787	1,724	2,156	1,292	750	552	230	16	16	287
1992	Critical	384	483	684	1,483	1,852	1,117	654	482	205	16	16	791
1993	Wet	2,190	3,107	3,505	4,440	3,790	3,319	1,854	647	165	111	111	871
1994	Critical	558	1,014	1,404	2,044	2,147	1,944	1,046	386	120	67	657	1,574
1995	Wet	1,036	2,631	2,029	4,076	4,468	3,874	2,876	1,962	622	553	553	2,337
1996	Wet	829	2,935	3,396	4,309	3,268	2,864	1,605	567	151	91	91	658
1997	Wet	1,970	1,881	3,281	2,808	2,952	2,588	1,454	518	142	89	89	390
1998	Wet	902	566	1,578	2,573	4,481	3,577	2,657	1,813	578	511	511	1,953
1999	Above Normal	754	1,524	1,914	2,722	2,861	2,509	1,411	504	140	87	87	637
2000	Above Normal	825	1,601	3,209	3,403	2,953	2,589	1,455	518	142	89	89	681
2001	Dry	592	1,077	1,493	2,175	2,284	2,067	1,110	407	123	71	71	396
2002	Dry	553	1,005	1,392	2,025	2,127	1,926	1,037	383	119	67	67	370
2003	Below Normal	655	1,320	1,658	2,355	2,538	2,235	1,228	n/a	n/a	n/a	n/a	n/a

Simulated Friant-Kern Canal Diversions (Node D18A)**Alternative 4 (cfs)**

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,245	1,301	1,989	3,045	3,913	3,676	2,555	1,744	558	491	491	1,876
1923	Above Normal	868	1,756	2,201	3,120	3,279	2,873	1,610	568	151	97	97	729
1924	Critical	296	374	526	1,123	1,400	856	510	378	169	16	16	200
1925	Below Normal	587	1,066	1,475	2,143	2,250	2,037	1,094	402	122	70	70	391
1926	Dry	583	1,060	1,464	2,129	2,235	2,023	1,087	400	122	69	69	388
1927	Above Normal	895	1,811	2,270	3,218	3,382	2,963	1,659	584	154	100	100	751
1928	Below Normal	615	1,116	1,544	2,240	2,351	2,128	1,141	417	125	72	72	408
1929	Critical	396	498	707	1,537	1,920	1,156	675	498	211	16	16	267
1930	Critical	377	474	671	1,458	1,821	1,099	644	475	203	16	16	254
1931	Critical	200	255	353	725	899	567	351	263	0	16	16	132
1932	Above Normal	859	1,738	2,178	3,087	3,244	2,843	1,594	563	150	97	97	747
1933	Dry	585	1,063	1,472	2,147	2,255	2,041	1,096	402	123	70	70	392
1934	Critical	326	410	577	1,241	1,548	941	557	412	181	16	16	219
1935	Above Normal	788	1,591	1,992	2,818	2,963	2,597	1,460	520	143	89	89	451
1936	Above Normal	902	1,788	2,289	3,243	3,408	2,986	1,672	588	155	101	101	390
1937	Wet	708	868	1,627	3,210	3,983	3,553	2,322	1,586	511	446	446	2,902
1938	Wet	395	1,153	1,869	4,168	4,474	3,998	2,968	2,023	641	571	571	2,186
1939	Dry	748	1,510	1,889	2,678	2,816	2,470	1,390	497	139	86	70	377
1940	Above Normal	801	1,617	2,025	2,865	3,011	2,640	1,483	527	144	91	91	604
1941	Wet	1,259	1,314	1,942	3,083	3,961	3,721	2,586	1,765	564	497	497	1,900
1942	Wet	1,231	1,287	1,966	3,013	3,872	3,637	2,528	1,725	553	486	380	1,856
1943	Wet	326	940	1,820	3,232	4,009	3,577	2,337	1,596	514	449	449	1,654
1944	Below Normal	642	1,168	1,618	2,349	2,466	2,231	1,195	434	128	75	75	390
1945	Above Normal	1,001	2,031	2,547	3,615	3,798	3,326	1,858	648	165	111	111	873
1946	Above Normal	829	1,674	2,097	2,969	3,121	2,735	1,535	544	147	93	93	719
1947	Dry	591	1,072	1,482	2,150	2,258	2,043	1,098	403	123	70	70	378
1948	Below Normal	503	914	1,265	1,843	1,936	1,754	948	355	114	62	62	339
1949	Below Normal	564	1,026	1,420	2,068	2,172	1,966	1,058	390	120	68	68	378
1950	Below Normal	590	1,072	1,480	2,148	2,256	2,042	1,097	403	122	70	70	392
1951	Above Normal	915	1,853	2,324	3,300	3,468	3,038	1,701	597	156	102	102	770
1952	Wet	988	1,077	1,843	3,028	3,719	3,719	2,762	1,884	599	531	531	2,032
1953	Below Normal	792	1,603	2,009	2,852	2,998	2,628	1,476	525	144	90	90	691
1954	Below Normal	587	1,067	1,474	2,140	2,247	2,034	1,093	401	122	70	70	390
1955	Dry	583	1,060	1,470	2,142	2,249	2,036	1,094	402	122	70	70	377
1956	Wet	1,350	1,402	2,160	3,073	3,775	3,775	2,803	1,912	608	539	539	2,063
1957	Below Normal	778	1,571	1,969	2,792	2,935	2,573	1,446	515	142	89	89	677
1958	Wet	1,119	878	1,833	2,998	3,852	3,619	2,515	1,717	550	484	484	1,847
1959	Dry	619	1,127	1,557	2,263	2,376	2,150	1,153	421	126	73	73	398
1960	Critical	369	464	656	1,422	1,775	1,072	629	465	199	16	16	248
1961	Critical	296	374	525	1,123	1,400	856	510	378	169	16	16	200
1962	Below Normal	792	1,599	2,001	2,833	2,978	2,611	1,467	522	143	90	90	686
1963	Above Normal	942	1,908	2,394	3,397	3,570	3,127	1,749	613	159	105	105	793
1964	Dry	555	1,008	1,397	2,039	2,142	1,939	1,044	385	120	67	67	373
1965	Wet	1,007	2,043	2,563	3,640	3,824	3,348	1,870	652	166	111	111	879
1966	Below Normal	677	1,361	1,701	2,407	2,594	2,284	1,254	453	131	70	78	448
1967	Wet	1,436	1,338	1,901	2,968	4,471	3,998	2,968	2,023	641	571	571	2,111
1968	Dry	744	1,502	1,882	2,669	2,806	2,461	1,385	495	139	85	70	390
1969	Wet	949	793	1,769	2,869	4,476	3,998	2,968	2,023	641	571	571	2,186
1970	Above Normal	993	2,017	2,532	3,597	3,779	3,309	1,849	645	164	110	110	868
1971	Below Normal	639	1,162	1,608	2,337	2,454	2,220	1,189	432	128	75	75	410
1972	Dry	555	1,007	1,396	2,035	2,138	1,935	1,042	385	120	67	67	372
1973	Above Normal	865	1,749	2,089	3,116	3,275	2,870	1,608	568	151	97	97	754
1974	Wet	1,092	1,142	1,741	3,100	3,845	3,431	2,243	1,532	496	431	431	1,643
1975	Wet	883	1,787	2,243	3,178	3,340	2,926	1,639	578	153	99	99	742
1976	Critical	425	534	759	1,659	2,075	1,245	724	534	223	16	16	286
1977	Critical	165	211	290	584	721	408	294	221	0	16	16	114
1978	Wet	1,084	1,406	2,292	3,050	4,471	3,998	2,968	2,023	641	571	571	2,186
1979	Above Normal	1,186	1,225	1,869	3,720	3,911	3,688	2,409	1,645	529	463	123	1,150
1980	Wet	1,237	1,500	3,372	3,357	3,721	3,998	2,968	2,023	641	571	571	2,186
1981	Dry	760	1,533	1,920	2,719	2,859	2,507	1,410	504	140	87	87	659
1982	Wet	1,436	878	3,152	3,232	3,721	3,998	2,968	2,023	641	503	270	1,362
1983	Wet	128	1,028	1,578	2,446	4,476	3,998	2,968	2,023	711	539	1,771	2,111
1984	Above Normal	1,219	1,277	1,951	2,990	3,842	3,609	2,509	1,712	549	482	482	1,842
1985	Dry	636	1,157	1,598	2,319	2,434	2,202	1,180	429	127	74	74	390
1986	Wet	760	2,332	3,044	4,083	3,801	3,555	2,641	1,802	575	508	508	1,941
1987	Critical	579	1,053	1,458	2,126	2,232	2,020	1,086	399	122	69	69	374
1988	Critical	381	480	679	1,477	1,845	1,113	651	481	205	16	16	257
1989	Critical	400	503	712	1,550	1,937	1,166	681	502	212	16	16	269
1990	Critical	307	388	545	1,168	1,457	889	528	391	174	16	16	208
1991	Critical	431	541	770	1,683	2,104	1,262	734	541	225	16	16	280
1992	Critical	373	469	662	1,433	1,790	1,081	634	468	200	16	16	250
1993	Wet	1,138	1,190	1,816	3,222	3,998	3,566	2,330	1,592	513	448	448	1,708
1994	Critical	540	979	1,356	1,977	2,077	1,881	1,014	376	118	65	65	362
1995	Wet	1,095	2,684	2,125	3,835	4,476	3,998	2,968	2,023	641	571	571	2,111
1996	Wet	1,176	2,434	3,156	4,174	3,876	3,641	2,530	1,727	553	260	123	1,764
1997	Wet	1,938	1,540	3,090	3,051	3,847	3,627	2,370	1,618	521	455	455	1,073
1998	Wet	1,048	730	1,828	2,500	4,476	3,998	2,968	2,023	641	571	571	2,186
1999	Above Normal	1,008	2,049	2,572	3,652	3,837	3,360	1,877	654	166	112	112	851
2000	Above Normal	779	1,571	1,967	2,784	2,927	2,566	1,442	514	142	88	88	675
2001	Dry	583	1,059	1,468	2,133	2,240	2,028	1,090	400	122	69	69	389
2002	Dry	544	989	1,368	1,991	2,092	1,894	1,021	378	118	66	66	365
2003	Below Normal	594	1,079	1,493	2,165	2,273	2,057	1,105	n/a	n/a	n/a	n/a	n/a

Change in Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-918	-1,784	-1,633	-1,391	260	476	766	1,118	397	384	-605	582
1923	Above Normal	21	39	44	50	53	46	25	8	1	1	1	12
1924	Critical	0	0	1	4	5	3	2	1	0	0	0	1
1925	Below Normal	-40	-75	-108	-166	-174	-156	-81	-26	-4	-4	-4	-29
1926	Dry	-20	-37	-231	-56	-58	-52	-27	-9	-2	-1	-1	-164
1927	Above Normal	4	67	-1,137	-1,112	93	81	44	14	2	2	2	20
1928	Below Normal	-54	-233	-486	-112	-182	-103	-85	-27	-5	-5	-5	-30
1929	Critical	3	4	5	9	12	7	4	3	1	0	0	1
1930	Critical	-10	-12	-19	-42	-53	-30	-17	-12	-4	0	0	-7
1931	Critical	-10	-12	-19	-43	-54	-31	-17	-13	0	0	0	-7
1932	Above Normal	-64	-76	-125	-1,161	-207	-180	-99	-32	-5	-5	-5	-47
1933	Dry	-22	-42	-60	-88	-93	-83	-43	-14	-2	-2	-2	-15
1934	Critical	-9	-11	-18	-36	-46	-26	-14	-11	-4	0	0	-6
1935	Above Normal	-66	-74	-106	-1,333	-139	-122	-67	-21	-4	-4	-4	-31
1936	Above Normal	-268	148	-1,025	-52	278	242	133	43	7	7	7	0
1937	Wet	201	-488	-284	-911	912	861	811	1,050	366	-183	-846	994
1938	Wet	69	371	181	-294	-13	418	760	1,126	363	351	11	1,093
1939	Dry	-41	-789	507	667	703	557	359	116	20	19	4	23
1940	Above Normal	-8	48	-1,141	-546	135	118	64	21	4	3	3	31
1941	Wet	-948	-1,847	-543	-1,364	-24	330	493	912	298	288	-912	-16
1942	Wet	275	-1,716	-1,419	-1,418	250	465	754	1,100	392	380	279	-176
1943	Wet	-181	-524	-1,538	-107	806	769	763	1,040	365	354	354	942
1944	Below Normal	-22	-171	-64	-42	-110	-38	-51	-17	-3	-3	-3	0
1945	Above Normal	59	175	-720	-596	248	216	118	38	7	-672	-1,194	-103
1946	Above Normal	12	52	-878	168	176	154	84	27	5	5	-92	-330
1947	Dry	-23	-45	-233	-77	-80	-72	-37	-12	-2	-2	-2	-13
1948	Below Normal	0	1	1	0	0	0	0	0	0	0	0	0
1949	Below Normal	-12	-22	-32	-48	-50	-45	-23	-8	-1	-1	-1	-8
1950	Below Normal	-56	-227	-150	-167	-240	-156	-111	-36	0	-1,206	-1,206	-1,240
1951	Above Normal	234	480	601	852	830	715	426	137	24	23	23	-869
1952	Wet	282	-659	100	-1,422	-73	314	660	1,028	332	321	-391	941
1953	Below Normal	93	192	238	333	284	239	166	54	9	9	9	223
1954	Below Normal	-33	-64	-93	-144	-151	-136	-70	-23	-4	-4	-4	-25
1955	Dry	-16	-30	-42	-63	-65	-59	-30	-10	-2	0	0	-1,210
1956	Wet	-376	-1,681	-1,243	-1,167	-76	403	920	1,255	441	427	427	1,178
1957	Below Normal	57	113	139	189	198	173	94	30	5	5	5	45
1958	Wet	198	-732	-603	-1,450	78	230	424	865	284	275	275	958
1959	Dry	-323	47	94	133	139	125	65	21	4	3	3	22
1960	Critical	-1	-1	-2	-4	-5	-3	-2	-1	0	0	0	-1
1961	Critical	-10	-12	-18	-40	-50	-29	-16	-12	-4	0	0	-6
1962	Below Normal	-85	-162	-229	-426	-348	-303	-166	-54	-9	-9	-9	-1,248
1963	Above Normal	-21	9	-28	-529	-73	-40	-13	-2	-2	-2	-2	-18
1964	Dry	-5	-10	-13	-16	-16	-15	-8	-2	0	0	-1,200	-1,203
1965	Wet	40	79	96	125	132	115	63	20	3	3	-914	-109
1966	Below Normal	-17	-527	-787	54	123	49	57	18	3	0	-398	-1,157
1967	Wet	-999	223	347	-1,236	-11	372	448	303	90	87	87	324
1968	Dry	249	605	641	864	909	743	455	147	25	24	9	58
1969	Wet	313	251	546	-125	-4	575	730	494	146	141	-883	438
1970	Above Normal	-141	510	639	906	950	828	453	146	25	24	24	216
1971	Below Normal	-56	-240	-153	-166	-244	-155	-113	-37	-6	-6	-6	-39
1972	Dry	-5	-10	-12	-16	-16	-15	-8	-2	0	0	0	-3
1973	Above Normal	24	-1,012	133	-973	238	208	114	37	6	-12	-1,194	-437
1974	Wet	-864	-1,768	-1,619	-1,038	638	620	667	975	346	335	335	904
1975	Wet	3	64	-984	-1,103	102	89	49	16	3	3	3	22
1976	Critical	0	0	0	5	6	4	2	1	0	0	0	1
1977	Critical	-8	-10	-15	-33	-41	-68	-13	-10	0	0	0	-5
1978	Wet	237	263	412	-1,276	-15	282	540	366	108	105	-881	177
1979	Above Normal	-305	-407	-1,383	102	887	1,037	920	1,116	385	372	43	773
1980	Wet	342	-730	123	-1,104	-765	438	772	1,131	364	352	180	1,032
1981	Dry	100	202	250	347	303	256	174	56	10	9	9	-982
1982	Wet	-871	337	225	-1,228	-248	435	770	-69	-836	352	157	795
1983	Wet	36	71	98	95	9	129	95	64	-683	18	18	69
1984	Above Normal	-38	-461	-231	-115	579	749	906	1,147	398	385	385	1,091
1985	Dry	12	20	17	26	27	24	12	4	1	1	1	0
1986	Wet	295	-701	-486	-346	303	491	926	1,200	418	405	405	1,136
1987	Critical	79	147	204	304	318	286	148	48	8	8	8	51
1988	Critical	-7	-9	-14	-30	-38	-22	-12	-9	-3	0	0	-5
1989	Critical	-9	-11	-18	-40	-50	-29	-16	-12	-4	0	0	-6
1990	Critical	-9	-11	-17	-37	-47	-27	-15	-11	-4	0	0	-6
1991	Critical	-9	-12	-17	-41	-51	-30	-16	-12	-4	0	0	-6
1992	Critical	-11	-14	-22	-50	-62	-36	-20	-14	-5	0	0	-541
1993	Wet	-1,052	-1,917	-1,690	-1,218	207	247	476	945	348	337	337	837
1994	Critical	-18	-35	-48	-67	-70	-63	-33	-11	-2	-2	-592	-1,212
1995	Wet	59	54	95	-241	8	124	91	62	18	18	18	-226
1996	Wet	347	-502	-240	-135	608	777	925	1,161	402	169	32	1,106
1997	Wet	-32	-341	-191	243	895	1,039	916	1,100	379	366	366	683
1998	Wet	146	164	250	-73	-5	421	311	211	62	60	60	233
1999	Above Normal	254	525	658	931	976	851	465	150	26	25	25	214
2000	Above Normal	-45	-30	-1,241	-619	-26	-23	-12	-4	-1	-1	-1	-6
2001	Dry	-9	-18	-26	-42	-44	-39	-20	-7	-1	-1	-1	-7
2002	Dry	-9	-16	-24	-34	-35	-32	-16	-5	-1	-1	-1	-6
2003	Below Normal	-61	-241	-165	-190	-265	-178	-123	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Friant-Kern Canal Diversions (Node D18A)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-42%	-58%	-45%	-31%	7%	15%	43%	179%	247%	359%	-55%	45%
1923	Above Normal	2%	2%	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	-6%	-7%	-7%	-7%	-7%	-7%	-7%	-6%	-4%	-6%	-6%	-7%
1926	Dry	-3%	-3%	-14%	-3%	-3%	-3%	-2%	-2%	-1%	-2%	-2%	-30%
1927	Above Normal	0%	4%	-33%	-26%	3%	3%	3%	3%	2%	2%	2%	3%
1928	Below Normal	-8%	-17%	-24%	-5%	-7%	-5%	-7%	-6%	-4%	-6%	-6%	-7%
1929	Critical	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	1%
1930	Critical	-3%	-2%	-3%	-3%	-3%	-3%	-3%	-2%	-2%	0%	0%	-3%
1931	Critical	-5%	-5%	-5%	-6%	-6%	-5%	-5%	-5%	-	0%	0%	-5%
1932	Above Normal	-7%	-4%	-5%	-27%	-5%	-6%	-6%	-6%	-4%	-5%	-5%	-6%
1933	Dry	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-3%	-2%	-3%	-3%	-4%
1934	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-2%	0%	0%	-3%
1935	Above Normal	-8%	-4%	-5%	-32%	-4%	-4%	-4%	-4%	-3%	-4%	-4%	-6%
1936	Above Normal	-23%	9%	-31%	-2%	9%	9%	9%	8%	5%	8%	8%	0%
1937	Wet	40%	-36%	-15%	-22%	30%	32%	54%	196%	251%	-22%	-65%	52%
1938	Wet	21%	47%	11%	-7%	0%	12%	34%	126%	130%	159%	2%	100%
1939	Dry	-5%	-34%	37%	33%	33%	29%	35%	30%	17%	29%	6%	7%
1940	Above Normal	-1%	3%	-36%	-16%	5%	5%	5%	4%	3%	4%	4%	5%
1941	Wet	-43%	-58%	-22%	-31%	-1%	10%	24%	107%	112%	138%	-65%	-1%
1942	Wet	29%	-57%	-42%	-32%	7%	15%	43%	176%	245%	358%	274%	-9%
1943	Wet	-36%	-36%	-46%	-3%	25%	27%	48%	187%	245%	370%	370%	132%
1944	Below Normal	-3%	-13%	-4%	-2%	-4%	-2%	-4%	-4%	-2%	-4%	-4%	0%
1945	Above Normal	6%	9%	-22%	-14%	7%	7%	7%	6%	4%	-86%	-92%	-11%
1946	Above Normal	1%	3%	-30%	6%	6%	6%	6%	5%	3%	5%	-50%	-31%
1947	Dry	-4%	-4%	-14%	-3%	-3%	-3%	-3%	-3%	-2%	-3%	-3%	-3%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%
1950	Below Normal	-9%	-17%	-9%	-7%	-10%	-7%	-9%	-8%	0%	-95%	-95%	-76%
1951	Above Normal	34%	35%	35%	35%	31%	31%	33%	30%	18%	29%	29%	-53%
1952	Wet	40%	-38%	6%	-32%	-2%	9%	31%	120%	124%	153%	-42%	86%
1953	Below Normal	13%	14%	13%	13%	10%	10%	13%	11%	7%	11%	11%	48%
1954	Below Normal	-5%	-6%	-6%	-6%	-6%	-6%	-6%	-5%	-3%	-5%	-5%	-6%
1955	Dry	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-1%	0%	0%	-76%
1956	Wet	-22%	-55%	-37%	-28%	-2%	12%	49%	191%	266%	381%	381%	133%
1957	Below Normal	8%	8%	8%	7%	7%	7%	7%	6%	4%	6%	6%	7%
1958	Wet	21%	-45%	-25%	-33%	2%	7%	20%	102%	107%	131%	131%	108%
1959	Dry	-34%	4%	6%	6%	6%	6%	6%	5%	3%	5%	5%	6%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-3%
1962	Below Normal	-10%	-9%	-10%	-13%	-10%	-10%	-10%	-9%	-6%	-9%	-9%	-65%
1963	Above Normal	-2%	0%	-1%	-13%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%
1964	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-95%	-76%
1965	Wet	4%	4%	4%	4%	4%	4%	3%	3%	2%	3%	-89%	-11%
1966	Below Normal	-3%	-28%	-32%	2%	5%	2%	5%	4%	2%	0%	-84%	-72%
1967	Wet	-41%	20%	22%	-29%	0%	10%	18%	18%	16%	18%	18%	18%
1968	Dry	50%	68%	52%	48%	48%	43%	49%	42%	22%	40%	14%	18%
1969	Wet	49%	46%	45%	-4%	0%	17%	33%	32%	30%	33%	-61%	25%
1970	Above Normal	-12%	34%	34%	34%	34%	33%	32%	29%	18%	28%	28%	33%
1971	Below Normal	-8%	-17%	-9%	-7%	-9%	-7%	-9%	-8%	-5%	-8%	-8%	-9%
1972	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%
1973	Above Normal	3%	-37%	7%	-24%	8%	8%	8%	7%	4%	-11%	-92%	-3%
1974	Wet	-44%	-61%	-48%	-25%	20%	22%	42%	175%	232%	351%	351%	122%
1975	Wet	0%	4%	-30%	-26%	3%	3%	3%	3%	2%	3%	3%	3%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-5%	-5%	-5%	-5%	-5%	-14%	-4%	-4%	-	0%	0%	-4%
1978	Wet	28%	23%	22%	-30%	0%	8%	22%	22%	20%	22%	-61%	9%
1979	Above Normal	-20%	-25%	-43%	3%	29%	39%	62%	211%	266%	409%	53%	205%
1980	Wet	38%	-33%	4%	-25%	-17%	12%	35%	127%	132%	161%	46%	89%
1981	Dry	15%	15%	15%	15%	12%	11%	14%	13%	7%	12%	12%	-60%
1982	Wet	-38%	62%	8%	-28%	-6%	12%	35%	-3%	-57%	234%	140%	140%
1983	Wet	40%	7%	7%	4%	0%	3%	3%	3%	-49%	4%	1%	3%
1984	Above Normal	-3%	-27%	-11%	-4%	18%	26%	57%	203%	264%	397%	397%	145%
1985	Dry	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%
1986	Wet	63%	-23%	-14%	-8%	9%	16%	54%	199%	267%	393%	393%	141%
1987	Critical	16%	16%	16%	17%	17%	17%	16%	14%	7%	13%	13%	16%
1988	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%
1989	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1990	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-3%
1991	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	0%	-2%
1992	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	0%	0%	-68%
1993	Wet	-48%	-62%	-48%	-27%	5%	7%	26%	146%	212%	305%	305%	96%
1994	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-2%	-3%	-90%	-77%
1995	Wet	6%	2%	5%	-6%	0%	3%	3%	3%	3%	3%	3%	-10%
1996	Wet	42%	-17%	-7%	-3%	19%	27%	58%	205%	267%	186%	35%	168%
1997	Wet	-2%	-18%	-6%	9%	30%	40%	63%	212%	266%	412%	412%	175%
1998	Wet	16%	29%	16%	-3%	0%	12%	12%	12%	11%	12%	12%	12%
1999	Above Normal	34%	34%	34%	34%	34%	34%	33%	30%	18%	29%	29%	34%
2000	Above Normal	-5%	-2%	-39%	-18%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%
2001	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-2%	-2%	-2%
2002	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-1%	-2%
2003	Below Normal	-9%	-18%	-10%	-8%	-10%	-8%	-10%	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	513	972	1,250	1,226	1,064	400	48	5	0	10	5
1923	Above Normal	123	340	649	899	1,051	911	339	41	7	0	0	0
1924	Critical	0	0	130	363	444	308	45	0	0	0	0	0
1925	Below Normal	0	0	270	813	988	681	109	0	0	0	0	0
1926	Dry	0	0	284	750	912	629	100	0	0	0	0	6
1927	Above Normal	126	347	869	1,122	1,078	935	349	41	2	0	0	1
1928	Below Normal	0	0	351	866	1,052	725	117	0	0	0	0	0
1929	Critical	0	0	169	489	595	412	63	0	0	0	0	0
1930	Critical	0	0	166	480	585	405	61	0	0	0	0	0
1931	Critical	0	0	96	256	313	143	107	0	0	0	0	0
1932	Above Normal	133	366	706	1,140	1,144	993	372	47	16	0	0	0
1933	Dry	0	0	258	776	943	651	104	0	0	0	0	0
1934	Critical	0	0	145	412	502	349	52	0	0	0	0	0
1935	Above Normal	67	119	668	1,113	1,067	925	345	50	0	0	0	59
1936	Above Normal	62	340	908	918	1,011	877	326	34	6	0	0	99
1937	Wet	34	522	852	1,117	987	855	317	38	0	5	27	0
1938	Wet	0	235	1,144	1,250	1,250	1,221	462	35	26	0	3	26
1939	Dry	29	201	231	687	835	577	91	0	0	0	0	0
1940	Above Normal	83	303	824	1,178	1,250	933	145	0	0	0	0	140
1941	Wet	0	24	1,061	1,250	1,250	1,143	431	35	15	0	49	11
1942	Wet	78	576	917	1,231	1,213	1,053	395	48	5	0	146	31
1943	Wet	175	403	913	939	1,041	903	336	41	5	0	0	0
1944	Below Normal	0	0	293	886	1,076	742	119	0	0	0	0	190
1945	Above Normal	112	379	883	1,159	1,191	1,034	388	48	5	7	22	16
1946	Above Normal	117	314	759	799	935	810	300	36	0	0	1	31
1947	Dry	0	0	289	771	937	647	103	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	241	720	875	604	96	0	0	0	0	0
1950	Below Normal	0	0	281	848	1,029	710	114	0	0	217	78	65
1951	Above Normal	0	0	302	916	1,113	767	124	0	0	0	0	0
1952	Wet	3	282	1,071	1,250	1,250	1,195	451	67	10	0	7	15
1953	Below Normal	0	0	313	953	1,157	797	129	0	0	0	0	0
1954	Below Normal	0	0	266	801	972	671	107	0	0	0	0	0
1955	Dry	0	0	253	760	924	638	101	0	0	146	291	26
1956	Wet	237	593	939	1,215	1,250	1,172	442	59	16	0	0	0
1957	Below Normal	0	0	327	996	1,209	834	135	0	0	0	0	0
1958	Wet	68	7	1,078	1,250	1,250	1,184	447	66	21	0	0	0
1959	Dry	57	4	243	725	881	608	96	0	0	0	0	0
1960	Critical	0	0	159	458	558	387	58	0	0	0	0	0
1961	Critical	0	0	134	377	460	320	47	0	0	0	0	0
1962	Below Normal	94	354	682	957	1,100	954	356	44	7	0	0	49
1963	Above Normal	146	388	751	1,125	1,226	1,064	400	42	6	0	0	1
1964	Dry	0	0	234	700	850	587	93	0	0	0	41	76
1965	Wet	147	405	768	1,064	1,242	1,078	405	49	5	0	9	6
1966	Below Normal	0	81	428	835	1,015	700	112	0	0	0	4	49
1967	Wet	233	17	1,250	1,250	1,250	1,250	813	257	15	11	9	55
1968	Dry	0	0	209	617	750	518	81	0	0	0	0	147
1969	Wet	7	325	1,159	1,250	1,250	1,156	646	70	19	0	10	4
1970	Above Normal	38	0	341	1,042	1,250	884	144	0	0	0	0	0
1971	Below Normal	0	0	311	945	1,147	791	128	0	0	0	0	0
1972	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1973	Above Normal	24	510	805	1,059	973	843	313	33	1	1	84	21
1974	Wet	226	516	850	1,073	1,043	904	337	41	5	0	0	0
1975	Wet	53	347	843	1,119	1,074	931	347	44	7	0	0	0
1976	Critical	0	0	181	528	643	445	68	0	0	0	0	0
1977	Critical	0	0	82	209	257	49	158	0	0	0	0	53
1978	Wet	5	10	1,250	1,250	1,250	1,250	735	171	10	0	10	2
1979	Above Normal	24	317	865	951	968	838	311	38	0	0	186	234
1980	Wet	40	718	1,074	1,250	1,250	1,213	458	59	21	0	1	31
1981	Dry	0	0	290	877	1,065	734	118	0	0	0	0	77
1982	Wet	10	140	1,174	1,250	1,250	1,250	542	241	92	232	249	11
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	239	79	37
1984	Above Normal	192	345	659	912	1,066	924	345	42	1	0	0	0
1985	Dry	0	0	269	805	978	675	108	0	0	0	0	252
1986	Wet	156	508	915	1,243	1,162	1,008	378	47	16	0	0	0
1987	Critical	0	0	211	622	757	523	82	0	0	0	0	0
1988	Critical	0	0	167	483	588	407	62	0	0	0	0	0
1989	Critical	0	0	175	508	619	428	65	0	0	0	0	0
1990	Critical	0	0	138	390	476	330	48	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	165	475	579	401	61	0	0	0	0	22
1993	Wet	68	542	961	1,250	1,250	1,164	439	60	5	0	0	0
1994	Critical	0	0	234	696	846	584	92	0	0	0	6	46
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,113	433	26	9	7	39
1996	Wet	148	519	910	1,124	1,068	926	345	38	2	148	715	135
1997	Wet	269	360	867	802	938	813	301	36	0	0	0	166
1998	Wet	0	96	1,250	1,250	1,250	1,250	928	204	54	42	34	56
1999	Above Normal	0	0	346	1,058	1,250	914	149	0	0	0	0	0
2000	Above Normal	23	317	806	901	938	813	301	7	9	4	3	3
2001	Dry	0	0	249	746	906	625	99	0	0	0	0	0
2002	Dry	0	0	232	690	839	579	91	0	0	0	0	0
2003	Below Normal	0	0	287	868	1,054	727	117	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Alternative 4 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	516	1,094	1,250	1,250	1,250	1,250	285	71	56	45	55
1923	Above Normal	127	350	666	918	1,072	930	347	42	7	0	0	0
1924	Critical	0	0	130	365	445	309	45	0	0	0	0	0
1925	Below Normal	0	0	245	729	886	612	97	0	0	0	0	0
1926	Dry	0	0	243	724	880	608	96	0	0	0	0	0
1927	Above Normal	126	365	693	955	1,116	968	362	42	2	1	1	5
1928	Below Normal	0	0	261	778	945	652	104	0	0	0	0	0
1929	Critical	0	0	170	492	599	415	63	0	0	0	0	0
1930	Critical	0	0	162	468	570	395	60	0	0	0	0	0
1931	Critical	0	0	92	242	297	99	140	0	0	0	0	0
1932	Above Normal	125	345	657	905	1,058	918	342	41	7	0	0	0
1933	Dry	0	0	244	731	889	614	97	0	0	0	0	0
1934	Critical	0	0	141	401	489	339	50	0	0	0	0	0
1935	Above Normal	65	115	623	858	1,003	869	323	47	0	0	0	0
1936	Above Normal	28	377	716	985	1,151	999	374	41	18	1	1	0
1937	Wet	10	552	947	1,250	1,250	1,250	838	174	13	0	0	0
1938	Wet	0	235	1,250	1,250	1,250	1,250	1,180	164	82	57	46	89
1939	Dry	0	0	340	1,036	1,250	872	142	0	0	0	0	0
1940	Above Normal	82	315	603	830	970	841	312	39	0	0	0	0
1941	Wet	0	24	1,186	1,250	1,250	1,250	1,250	148	71	68	68	76
1942	Wet	173	608	1,034	1,250	1,250	1,250	1,145	327	24	19	15	53
1943	Wet	50	569	956	1,250	1,250	1,250	839	172	13	0	0	0
1944	Below Normal	0	0	278	833	1,012	698	112	0	0	0	0	0
1945	Above Normal	119	426	804	1,108	1,250	1,152	434	58	5	0	0	0
1946	Above Normal	120	328	625	862	1,007	873	325	39	0	0	0	0
1947	Dry	0	0	246	733	891	615	97	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	236	704	856	591	93	0	0	0	0	0
1950	Below Normal	0	0	246	732	890	614	97	0	0	0	0	0
1951	Above Normal	137	376	713	984	1,150	998	374	47	5	0	0	0
1952	Wet	3	282	1,226	1,250	1,250	1,250	1,207	401	71	68	68	83
1953	Below Normal	112	309	592	818	957	829	307	37	0	0	0	0
1954	Below Normal	0	0	245	728	885	611	97	0	0	0	0	0
1955	Dry	0	0	244	729	886	612	97	0	0	0	0	0
1956	Wet	204	632	1,162	1,250	1,250	1,250	1,235	275	82	68	68	111
1957	Below Normal	109	301	577	796	931	806	298	36	0	0	0	0
1958	Wet	39	7	1,137	1,250	1,250	1,250	1,194	439	82	68	68	82
1959	Dry	0	0	264	790	960	662	106	0	0	0	0	0
1960	Critical	0	0	159	456	556	385	58	0	0	0	0	0
1961	Critical	0	0	130	365	445	309	45	0	0	0	0	0
1962	Below Normal	84	310	593	817	955	828	307	38	0	0	0	0
1963	Above Normal	142	391	740	1,020	1,191	1,034	388	41	6	0	0	0
1964	Dry	0	0	233	694	844	583	92	0	0	0	0	0
1965	Wet	155	427	805	1,110	1,250	1,155	435	57	5	0	0	0
1966	Below Normal	0	0	297	895	1,087	749	121	0	0	0	0	0
1967	Wet	178	17	1,250	1,250	1,250	1,250	1,198	433	22	17	13	58
1968	Dry	0	0	339	1,031	1,250	862	140	0	0	0	0	0
1969	Wet	7	325	1,250	1,250	1,250	1,250	1,180	155	71	61	49	59
1970	Above Normal	128	422	797	1,099	1,250	1,136	428	56	5	0	0	0
1971	Below Normal	0	0	275	827	1,005	693	111	0	0	0	0	0
1972	Dry	0	0	232	693	843	582	92	0	0	0	0	0
1973	Above Normal	25	357	678	937	1,095	950	355	38	3	2	1	1
1974	Wet	147	534	892	1,174	1,250	1,222	684	121	15	2	1	1
1975	Wet	53	365	693	955	1,116	968	362	46	7	0	0	0
1976	Critical	0	0	181	529	644	446	68	0	0	0	0	0
1977	Critical	0	0	78	199	245	49	148	0	0	0	0	0
1978	Wet	0	10	1,250	1,250	1,250	1,250	856	439	71	68	68	76
1979	Above Normal	112	550	986	1,250	1,250	1,250	970	236	14	4	3	3
1980	Wet	40	766	1,250	1,250	1,250	1,250	1,250	395	82	68	68	99
1981	Dry	0	0	348	1,057	1,250	911	149	0	0	0	0	0
1982	Wet	42	65	1,250	1,250	1,250	1,250	886	185	71	272	238	0
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	98	238	77	36
1984	Above Normal	198	613	1,019	1,250	1,250	1,250	1,086	205	45	35	28	57
1985	Dry	0	0	273	818	993	685	110	0	0	0	0	0
1986	Wet	19	545	1,250	1,250	1,250	1,250	1,121	434	82	68	68	86
1987	Critical	0	0	242	723	879	607	96	0	0	0	0	0
1988	Critical	0	0	164	473	577	400	60	0	0	0	0	0
1989	Critical	0	0	171	496	604	418	64	0	0	0	0	0
1990	Critical	0	0	134	378	462	321	47	0	0	0	0	0
1991	Critical	0	0	184	537	653	452	69	0	0	0	0	0
1992	Critical	0	0	160	460	560	388	58	0	0	0	0	0
1993	Wet	36	531	963	1,250	1,250	1,250	865	182	10	0	0	0
1994	Critical	0	0	226	674	819	566	89	0	0	0	0	0
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,190	434	29	11	9	23
1996	Wet	111	601	1,250	1,250	1,250	1,250	1,057	128	59	5	399	62
1997	Wet	270	639	1,202	1,249	1,250	1,250	829	211	10	0	0	0
1998	Wet	0	96	1,250	1,250	1,250	1,250	1,154	204	71	56	45	66
1999	Above Normal	155	428	808	1,115	1,250	1,163	439	58	5	0	0	0
2000	Above Normal	89	302	579	798	933	808	299	7	10	4	3	3
2001	Dry	0	0	243	726	882	609	96	0	0	0	0	0
2002	Dry	0	0	228	679	825	570	90	0	0	0	0	0
2003	Below Normal	0	0	249	740	900	621	99	n/a	n/a	n/a	n/a	n/a

Change in Simulated Madera Canal Diversions (Node D18B)
 Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	4	121	0	24	186	850	236	66	56	34	50
1923	Above Normal	4	10	17	19	22	19	7	1	0	0	0	0
1924	Critical	0	0	0	1	1	1	0	0	0	0	0	0
1925	Below Normal	0	0	-25	-84	-101	-69	-12	0	0	0	0	0
1926	Dry	0	0	-42	-26	-31	-22	-4	0	0	0	0	-6
1927	Above Normal	1	18	-176	-167	38	33	13	1	0	1	1	4
1928	Below Normal	0	0	-91	-88	-106	-73	-13	0	0	0	0	0
1929	Critical	0	0	1	3	3	2	0	0	0	0	0	0
1930	Critical	0	0	-4	-13	-16	-11	-2	0	0	0	0	0
1931	Critical	0	0	-4	-13	-16	-45	33	0	0	0	0	0
1932	Above Normal	-8	-21	-49	-235	-86	-75	-30	-6	-9	0	0	0
1933	Dry	0	0	-14	-45	-54	-37	-6	0	0	0	0	0
1934	Critical	0	0	-4	-11	-13	-9	-2	0	0	0	0	0
1935	Above Normal	-3	-4	-45	-255	-64	-22	-3	0	0	0	0	-59
1936	Above Normal	-34	37	-192	67	139	122	48	7	12	1	1	-99
1937	Wet	-24	30	96	133	263	395	521	136	13	-5	-27	0
1938	Wet	0	0	106	0	0	29	718	129	56	57	43	63
1939	Dry	-29	-201	110	349	415	295	51	0	0	0	0	0
1940	Above Normal	-1	13	-221	-348	-280	167	39	0	0	0	0	-140
1941	Wet	0	0	124	0	0	107	819	113	56	68	19	65
1942	Wet	95	31	117	19	37	197	750	279	19	19	-132	22
1943	Wet	-125	166	43	311	209	347	503	132	8	0	0	0
1944	Below Normal	0	0	-15	-53	-64	-44	-8	0	0	0	0	-190
1945	Above Normal	7	47	-79	-50	59	118	46	9	0	-7	-22	-16
1946	Above Normal	2	14	-134	62	72	63	25	3	0	0	-1	-31
1947	Dry	0	0	-43	-39	-47	-32	-6	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	-5	-16	-19	-13	-2	0	0	0	0	0
1950	Below Normal	0	0	-35	-116	-140	-96	-17	0	0	-217	-78	-65
1951	Above Normal	137	376	411	68	37	231	250	47	5	0	0	0
1952	Wet	0	0	155	0	0	55	756	334	61	68	61	68
1953	Below Normal	112	309	279	-135	-200	32	178	37	0	0	0	0
1954	Below Normal	0	0	-21	-72	-87	-60	-10	0	0	0	0	0
1955	Dry	0	0	-10	-32	-38	-26	-5	0	0	-146	-291	-26
1956	Wet	-33	38	222	35	0	78	793	216	66	68	68	111
1957	Below Normal	109	301	250	-200	-278	-27	163	36	0	0	0	0
1958	Wet	-29	0	59	0	0	66	747	373	61	68	68	82
1959	Dry	-57	-4	21	65	79	54	9	0	0	0	0	0
1960	Critical	0	0	0	-1	-2	-1	0	0	0	0	0	0
1961	Critical	0	0	-4	-12	-15	-10	-2	0	0	0	0	0
1962	Below Normal	-10	-44	-89	-140	-144	-126	-50	-6	-7	0	0	-49
1963	Above Normal	-4	2	-11	-104	-34	-30	-12	-1	0	0	0	-1
1964	Dry	0	0	-2	-5	-6	-4	-1	0	0	0	-41	-76
1965	Wet	8	21	37	46	8	76	30	8	0	0	-9	-6
1966	Below Normal	0	-81	-131	59	72	49	8	0	0	0	-4	-49
1967	Wet	-55	0	0	0	0	0	385	176	7	6	4	4
1968	Dry	0	0	130	414	500	344	59	0	0	0	-147	0
1969	Wet	0	0	91	0	0	94	534	84	51	61	39	55
1970	Above Normal	90	422	455	57	0	252	284	56	5	0	0	0
1971	Below Normal	0	0	-35	-117	-142	-97	-17	0	0	0	0	0
1972	Dry	0	0	-2	-5	-6	-4	-1	0	0	0	0	0
1973	Above Normal	1	-153	-127	-122	122	107	42	5	2	1	-82	-19
1974	Wet	-80	19	42	100	207	318	347	80	10	2	1	1
1975	Wet	0	17	-150	-164	42	37	14	2	0	0	0	0
1976	Critical	0	0	0	2	0	0	0	0	0	0	0	0
1977	Critical	0	0	-3	-10	-12	0	-10	0	0	0	0	-53
1978	Wet	-5	0	0	0	0	0	121	268	61	68	58	73
1979	Above Normal	88	233	121	299	282	412	659	198	14	4	-183	-231
1980	Wet	0	47	176	0	0	37	792	336	61	68	67	68
1981	Dry	0	0	58	180	185	177	31	0	0	0	0	-77
1982	Wet	32	-75	76	0	0	0	344	-57	-21	40	-11	-11
1983	Wet	0	0	0	0	0	0	0	0	-2	-2	-2	-2
1984	Above Normal	5	268	361	338	184	326	741	163	44	35	28	57
1985	Dry	0	0	4	13	16	11	2	0	0	0	0	-252
1986	Wet	-137	37	335	7	88	242	743	387	66	68	68	86
1987	Critical	0	0	31	101	122	84	14	0	0	0	0	0
1988	Critical	0	0	-3	-9	-11	-8	-1	0	0	0	0	0
1989	Critical	0	0	-4	-12	-15	-10	-2	0	0	0	0	0
1990	Critical	0	0	-4	-11	-14	-9	-2	0	0	0	0	0
1991	Critical	0	0	-4	-13	-15	-10	-2	0	0	0	0	0
1992	Critical	0	0	-5	-15	-18	-13	-2	0	0	0	0	-22
1993	Wet	-32	-11	2	0	0	86	426	122	5	0	0	0
1994	Critical	0	0	-7	-22	-27	-19	-3	0	0	0	-6	-46
1995	Wet	0	0	0	0	0	0	77	0	3	2	2	-16
1996	Wet	-37	82	340	126	182	324	712	89	56	-144	-315	-73
1997	Wet	1	279	335	447	312	437	528	175	10	0	0	-166
1998	Wet	0	0	0	0	0	0	226	0	16	14	11	10
1999	Above Normal	155	428	462	57	0	249	290	58	5	0	0	0
2000	Above Normal	66	-14	-228	-104	-6	-5	-2	0	0	0	0	0
2001	Dry	0	0	-6	-20	-24	-16	-3	0	0	0	0	0
2002	Dry	0	0	-4	-11	-14	-9	-2	0	0	0	0	0
2003	Below Normal	0	0	-38	-128	-154	-106	-18	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Madera Canal Diversions (Node D18B)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-	1%	12%	0%	2%	17%	213%	489%	1358%	-	336%	1044%
1923	Above Normal	3%	3%	3%	2%	2%	2%	2%	2%	0%	-	-	-
1924	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1925	Below Normal	-	-	-9%	-10%	-10%	-10%	-11%	-	-	-	-	-
1926	Dry	-	-	-15%	-3%	-3%	-3%	-4%	-	-	-	-	-100%
1927	Above Normal	0%	5%	-20%	-15%	4%	4%	4%	2%	7%	375%	375%	375%
1928	Below Normal	-	-	-26%	-10%	-10%	-10%	-11%	-	-	-	-	-
1929	Critical	-	-	1%	1%	1%	1%	1%	-	-	-	-	-
1930	Critical	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-
1931	Critical	-	-	-4%	-5%	-5%	-31%	30%	-	-	-	-	-
1932	Above Normal	-6%	-6%	-7%	-21%	-8%	-8%	-8%	-12%	-55%	-	-	-
1933	Dry	-	-	-5%	-6%	-6%	-6%	-6%	-	-	-	-	-
1934	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-	-
1935	Above Normal	-4%	-3%	-7%	-23%	-6%	-6%	-6%	-7%	-	-	-	-100%
1936	Above Normal	-54%	11%	-21%	7%	14%	14%	15%	21%	205%	-	-	-100%
1937	Wet	-70%	6%	11%	12%	27%	46%	164%	353%	-	-100%	-100%	-
1938	Wet	-	0%	9%	0%	0%	2%	156%	366%	217%	-	1360%	246%
1939	Dry	-100%	-100%	48%	51%	50%	51%	56%	-	-	-	-	-
1940	Above Normal	-1%	4%	-27%	-30%	-10%	-10%	115%	-	-	-	-	-100%
1941	Wet	-	0%	12%	0%	0%	9%	190%	322%	386%	-	39%	584%
1942	Wet	121%	5%	13%	2%	3%	19%	190%	583%	397%	-	-90%	71%
1943	Wet	-71%	41%	5%	33%	20%	38%	150%	324%	168%	-	-	-
1944	Below Normal	-	-	-5%	-6%	-6%	-6%	-6%	-	-	-	-	-100%
1945	Above Normal	6%	12%	-9%	-4%	5%	11%	12%	20%	0%	-100%	-100%	-100%
1946	Above Normal	2%	4%	-18%	8%	8%	8%	8%	8%	-	-	-100%	-100%
1947	Dry	-	-	-15%	-5%	-5%	-5%	-5%	-	-	-	-	-
1948	Below Normal	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1949	Below Normal	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1950	Below Normal	-	-	-12%	-14%	-14%	-13%	-14%	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	136%	7%	3%	30%	202%	-	-	-	-	-
1952	Wet	0%	0%	15%	0%	0%	5%	168%	496%	629%	-	863%	462%
1953	Below Normal	-	-	89%	-14%	-17%	4%	138%	-	-	-	-	-
1954	Below Normal	-	-	-8%	-9%	-9%	-9%	-10%	-	-	-	-	-
1955	Dry	-	-	-4%	-4%	-4%	-4%	-4%	-	-	-100%	-100%	-100%
1956	Wet	-14%	6%	24%	3%	0%	7%	179%	369%	408%	-	-	-
1957	Below Normal	-	-	76%	-20%	-23%	-3%	121%	-	-	-	-	-
1958	Wet	-43%	0%	5%	0%	0%	6%	167%	561%	291%	-	-	-
1959	Dry	-100%	-100%	9%	9%	9%	9%	10%	-	-	-	-	-
1960	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1961	Critical	-	-	-3%	-3%	-3%	-3%	-4%	-	-	-	-	-
1962	Below Normal	-11%	-12%	-13%	-15%	-13%	-13%	-14%	-14%	-100%	-	-	-100%
1963	Above Normal	-3%	1%	-9%	-9%	-3%	-3%	-2%	-2%	-94%	-94%	-94%	-94%
1964	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-100%	-100%
1965	Wet	5%	5%	5%	4%	1%	7%	7%	16%	0%	-	-100%	-100%
1966	Below Normal	-	-100%	-31%	7%	7%	7%	8%	-	-	-	-100%	-100%
1967	Wet	-24%	0%	0%	0%	0%	0%	47%	69%	50%	50%	50%	7%
1968	Dry	-	-	62%	67%	67%	66%	73%	-	-	-	-100%	-
1969	Wet	0%	0%	8%	0%	0%	8%	83%	120%	265%	-	367%	1248%
1970	Above Normal	239%	-	133%	5%	0%	28%	197%	-	-	-	-	-
1971	Below Normal	-	-	-11%	-12%	-12%	-12%	-13%	-	-	-	-	-
1972	Dry	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1973	Above Normal	4%	-30%	-16%	-12%	13%	13%	13%	15%	200%	104%	-98%	-94%
1974	Wet	-35%	4%	5%	9%	20%	35%	103%	198%	205%	-	-	-
1975	Wet	0%	5%	-18%	-15%	4%	4%	4%	4%	0%	-	-	-
1976	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1977	Critical	-	-	-4%	-5%	-5%	0%	-6%	-	-	-	-	-100%
1978	Wet	-100%	0%	0%	0%	0%	0%	16%	157%	629%	-	569%	3092%
1979	Above Normal	368%	74%	14%	31%	29%	49%	212%	526%	-	-	-98%	-99%
1980	Wet	0%	7%	16%	0%	0%	3%	173%	574%	291%	-	5317%	223%
1981	Dry	-	-	20%	21%	17%	24%	26%	-	-	-	-	-100%
1982	Wet	325%	-53%	6%	0%	0%	0%	63%	-23%	-23%	17%	-4%	-100%
1983	Wet	-	0%	0%	0%	0%	0%	0%	0%	-2%	-1%	-2%	-4%
1984	Above Normal	3%	78%	55%	37%	17%	35%	215%	391%	3029%	-	-	-
1985	Dry	-	-	2%	2%	2%	2%	2%	-	-	-	-	-100%
1986	Wet	-88%	7%	37%	1%	8%	24%	197%	826%	408%	-	-	-
1987	Critical	-	-	15%	16%	16%	16%	18%	-	-	-	-	-
1988	Critical	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
1989	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1990	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-	-
1991	Critical	-	-	-2%	-2%	-2%	-2%	-3%	-	-	-	-	-
1992	Critical	-	-	-3%	-3%	-3%	-3%	-4%	-	-	-	-	-100%
1993	Wet	-47%	-2%	0%	0%	0%	7%	97%	202%	100%	-	-	-
1994	Critical	-	-	-3%	-3%	-3%	-3%	-3%	-	-	-	-100%	-100%
1995	Wet	-	0%	0%	0%	0%	0%	7%	0%	12%	27%	27%	-41%
1996	Wet	-25%	16%	37%	11%	17%	35%	206%	233%	2620%	-97%	-44%	-54%
1997	Wet	0%	77%	39%	56%	33%	54%	176%	481%	-	-	-	-100%
1998	Wet	-	0%	0%	0%	0%	0%	24%	0%	30%	34%	34%	18%
1999	Above Normal	-	-	133%	5%	0%	27%	194%	-	-	-	-	-
2000	Above Normal	283%	-4%	-28%	-12%	-1%	-1%	-1%	1%	1%	1%	1%	1%
2001	Dry	-	-	-2%	-3%	-3%	-3%	-3%	-	-	-	-	-
2002	Dry	-	-	-2%	-2%	-2%	-2%	-2%	-	-	-	-	-
2003	Below Normal	-	-	-13%	-15%	-15%	-15%	-16%	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	22	43	60	138	189	174	98	36	6	5	5	29
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	79	102	61	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1929	Critical	21	25	47	111	143	86	38	25	8	0	0	13
1930	Critical	21	25	46	109	140	84	37	25	8	0	0	12
1931	Critical	10	12	22	52	67	36	22	12	0	0	0	6
1932	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	18	21	38	91	118	71	31	21	7	0	0	10
1935	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1937	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1938	Wet	17	28	56	129	191	177	100	38	12	6	6	30
1939	Dry	33	59	92	151	169	142	60	18	3	3	3	18
1940	Above Normal	31	52	86	158	188	152	71	21	4	4	3	20
1941	Wet	22	37	60	129	191	177	100	38	11	6	6	30
1942	Wet	22	43	64	138	189	174	98	36	6	5	5	29
1943	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	58	97	160	179	151	64	19	3	3	3	19
1950	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1951	Above Normal	37	62	98	158	182	149	65	20	3	3	3	20
1952	Wet	20	37	56	129	191	177	100	40	11	6	6	30
1953	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	22	37	60	129	191	177	100	40	12	6	6	30
1959	Dry	33	59	98	161	180	152	64	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	16	19	35	83	106	64	28	19	6	0	0	9
1962	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1963	Above Normal	22	43	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	57	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1967	Wet	11	19	43	101	185	188	122	64	15	7	7	34
1968	Dry	27	49	82	135	152	128	54	16	3	3	3	16
1969	Wet	17	28	52	115	193	181	104	50	13	7	7	30
1970	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1973	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1974	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	8	9	17	40	52	22	22	9	0	0	0	5
1978	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1979	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1980	Wet	17	28	56	129	191	177	100	40	12	6	6	30
1981	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1982	Wet	17	28	52	129	191	177	100	40	11	6	6	30
1983	Wet	3	9	35	101	183	197	130	69	23	8	8	34
1984	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1987	Critical	28	50	83	136	153	129	55	17	3	3	3	17
1988	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1989	Critical	22	27	49	116	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	163	98	43	29	10	0	0	14
1992	Critical	21	25	45	107	138	83	36	25	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	31	56	94	154	173	145	62	19	3	3	3	19
1995	Wet	3	9	30	101	183	197	130	78	20	7	7	34
1996	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1997	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1998	Wet	9	14	39	101	179	191	124	64	19	9	9	35
1999	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	56	93	153	171	144	61	19	3	3	3	19
2003	Below Normal	37	62	98	158	182	149	65	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 4 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	11	19	43	101	185	188	122	64	19	7	7	34
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	80	102	62	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	161	181	152	64	20	3	3	3	20
1927	Above Normal	26	43	64	151	191	163	79	27	5	5	5	20
1928	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1929	Critical	21	26	47	112	144	87	38	26	9	0	0	13
1930	Critical	20	24	44	106	136	82	36	24	8	0	0	12
1931	Critical	9	11	20	49	63	31	23	11	0	0	0	6
1932	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	17	20	37	89	114	69	30	20	7	0	0	10
1935	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	26	43	64	146	187	170	95	33	6	5	5	20
1937	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1938	Wet	3	5	30	101	183	197	130	66	23	10	9	37
1939	Dry	33	56	90	158	188	152	71	21	4	4	3	20
1940	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1941	Wet	9	14	43	101	185	188	122	59	19	11	8	35
1942	Wet	11	19	43	101	185	188	122	64	16	8	7	34
1943	Wet	17	28	47	115	193	181	104	52	13	7	7	30
1944	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1945	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
1946	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	57	95	156	175	147	62	19	3	3	3	19
1950	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1951	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1952	Wet	9	9	35	100	181	194	128	76	21	7	7	36
1953	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1954	Below Normal	33	59	98	161	181	152	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	6	9	35	100	181	194	128	71	22	11	7	36
1957	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1958	Wet	11	19	43	101	185	188	122	64	19	7	7	35
1959	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1960	Critical	20	24	43	103	132	80	35	24	8	0	0	12
1961	Critical	15	18	33	80	102	62	27	18	6	0	0	9
1962	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1963	Above Normal	26	43	64	146	187	170	95	33	5	5	5	20
1964	Dry	31	56	93	154	173	145	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1967	Wet	3	5	30	101	183	197	130	78	20	8	7	36
1968	Dry	33	56	90	158	188	152	71	21	4	4	3	20
1969	Wet	3	5	30	101	183	197	130	66	23	10	10	35
1970	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
1971	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1972	Dry	31	56	93	153	172	145	61	19	3	3	3	19
1973	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1974	Wet	17	28	52	115	193	181	104	52	13	7	7	30
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	7	9	16	38	48	18	20	9	0	0	0	4
1978	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1979	Above Normal	14	24	47	114	194	184	106	57	14	7	7	30
1980	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1981	Dry	33	56	90	158	188	152	71	21	4	4	3	20
1982	Wet	3	5	30	101	183	197	130	68	23	11	7	32
1983	Wet	3	5	30	101	183	197	130	69	23	8	8	34
1984	Above Normal	11	19	43	101	185	188	122	62	17	9	8	34
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	9	14	39	101	179	191	124	73	20	7	7	36
1987	Critical	33	59	97	161	180	152	64	20	3	3	3	20
1988	Critical	20	25	45	107	138	83	36	25	8	0	0	12
1989	Critical	22	26	47	113	145	87	38	26	9	0	0	13
1990	Critical	16	19	35	83	107	64	28	19	6	0	0	10
1991	Critical	24	28	52	123	159	95	42	28	9	0	0	14
1992	Critical	20	24	44	104	134	80	35	24	8	0	0	12
1993	Wet	14	24	47	115	193	181	104	52	12	7	7	30
1994	Critical	30	54	90	149	167	140	60	18	3	3	3	18
1995	Wet	3	5	30	101	183	197	130	78	20	7	7	33
1996	Wet	11	19	43	101	185	188	122	58	18	7	7	31
1997	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1998	Wet	3	5	30	101	183	197	130	69	23	10	9	36
1999	Above Normal	22	37	60	138	189	174	98	36	6	5	5	29
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	161	181	152	65	20	3	3	3	20
2002	Dry	30	55	91	150	168	141	60	18	3	3	3	18
2003	Below Normal	33	59	98	162	182	153	65	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
 Alternative 4 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-11	-24	-16	-37	-4	14	24	28	13	1	1	5
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
1927	Above Normal	0	-5	-16	0	0	0	0	0	0	0	0	0
1928	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1929	Critical	0	0	0	1	1	1	0	0	0	0	0	0
1930	Critical	-1	-1	-1	-3	-4	-3	-1	-1	0	0	0	0
1931	Critical	-1	-1	-1	-3	-4	-5	1	-1	0	0	0	0
1932	Above Normal	3	5	16	4	4	-8	-16	-7	-1	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1935	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	-3	-5	-16	-10	-1	12	22	10	2	1	1	0
1937	Wet	-11	-24	-34	-42	5	23	30	29	9	3	3	10
1938	Wet	-14	-24	-26	-28	-8	20	30	28	11	4	3	8
1939	Dry	0	-3	-2	8	19	10	10	3	1	1	0	1
1940	Above Normal	0	0	0	-1	0	6	3	3	0	0	1	0
1941	Wet	-14	-23	-16	-28	-6	10	21	21	7	5	2	6
1942	Wet	-11	-24	-21	-37	-4	14	24	28	10	2	2	5
1943	Wet	-11	-19	-33	-36	2	18	24	26	8	2	2	10
1944	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1945	Above Normal	-3	-5	-5	-9	2	3	3	3	1	1	1	9
1946	Above Normal	-3	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	-1	-1	-2	-4	-4	-4	-2	0	0	0	0	0
1950	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1951	Above Normal	-11	-20	-33	-12	5	21	30	14	2	1	1	0
1952	Wet	-11	-28	-21	-29	-10	17	27	36	10	1	1	7
1953	Below Normal	-6	-10	-12	-1	6	9	9	4	1	1	1	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	-16	-28	-25	-38	-8	20	30	35	16	5	1	8
1957	Below Normal	-2	-5	-4	-1	0	6	3	3	0	0	1	0
1958	Wet	-11	-18	-16	-28	-6	10	21	25	7	1	1	6
1959	Dry	0	0	1	1	1	1	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1962	Below Normal	3	5	5	6	-3	-5	-6	-3	-1	-1	-1	0
1963	Above Normal	3	0	5	9	-2	-3	-3	-3	-1	-1	-1	-9
1964	Dry	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	-3	0	-3	0	0	0	0	0	0
1967	Wet	-9	-14	-13	0	-1	10	9	14	4	0	0	2
1968	Dry	5	7	8	23	36	24	17	5	1	1	1	3
1969	Wet	-14	-24	-22	-14	-10	16	27	16	10	4	3	5
1970	Above Normal	-10	-19	-30	-20	1	22	27	15	2	1	2	9
1971	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1972	Dry	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1973	Above Normal	0	-5	-5	-6	3	5	6	3	1	1	1	0
1974	Wet	-11	-19	-28	-36	2	18	24	26	8	2	2	10
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	1	0	0	0	0	0	0	0
1977	Critical	0	-1	-1	-3	-3	-4	-1	-1	0	0	0	0
1978	Wet	-9	-19	-17	-13	-11	13	24	21	9	0	0	6
1979	Above Normal	-14	-28	-39	-43	6	26	33	34	10	3	3	10
1980	Wet	-14	-24	-26	-28	-8	20	30	38	11	1	1	7
1981	Dry	-4	-6	-8	0	7	3	6	1	1	1	0	0
1982	Wet	-14	-24	-22	-28	-8	20	30	28	11	5	1	3
1983	Wet	0	-5	-5	0	0	0	0	0	0	0	0	0
1984	Above Normal	-17	-28	-37	-49	-6	25	42	36	12	4	3	14
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-17	-28	-26	-45	-8	20	29	40	15	2	2	16
1987	Critical	5	9	14	24	27	23	10	3	0	0	0	3
1988	Critical	0	-1	-1	-2	-3	-2	-1	-1	0	0	0	0
1989	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1990	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1991	Critical	-1	-1	-1	-3	-4	-2	-1	-1	0	0	0	0
1992	Critical	-1	-1	-2	-4	-5	-3	-1	-1	0	0	0	0
1993	Wet	-9	-14	-12	-23	4	7	6	16	7	1	1	1
1994	Critical	-1	-2	-3	-5	-6	-5	-2	-1	0	0	0	-1
1995	Wet	0	-5	0	0	0	0	0	0	0	0	0	0
1996	Wet	-17	-28	-37	-49	-6	25	42	31	13	2	2	11
1997	Wet	-17	-28	-39	-43	6	26	33	34	10	3	3	10
1998	Wet	-6	-10	-9	0	4	7	6	5	4	1	1	1
1999	Above Normal	-10	-19	-30	-20	1	22	27	15	2	1	2	9
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
2002	Dry	-1	-1	-2	-3	-3	-3	-1	0	0	0	0	0
2003	Below Normal	-4	-3	1	3	0	3	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-50%	-55%	-27%	-27%	-2%	8%	25%	77%	237%	27%	25%	17%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1927	Above Normal	0%	-10%	-20%	0%	0%	0%	0%	0%	0%	2%	2%	1%
1928	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1929	Critical	1%	1%	1%	1%	1%	1%	1%	1%	1%	-	-	1%
1930	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1931	Critical	-6%	-6%	-6%	-6%	-6%	-13%	4%	-6%	-	-	-	-6%
1932	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-9%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1935	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	-9%	-10%	-20%	-7%	-1%	8%	30%	41%	44%	17%	17%	0%
1937	Wet	-40%	-46%	-40%	-27%	3%	14%	41%	122%	220%	67%	67%	53%
1938	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	74%	93%	71%	59%	26%
1939	Dry	0%	-4%	-2%	5%	11%	7%	17%	15%	29%	29%	7%	7%
1940	Above Normal	0%	0%	0%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1941	Wet	-62%	-61%	-27%	-22%	-3%	6%	21%	54%	64%	82%	31%	19%
1942	Wet	-50%	-55%	-33%	-27%	-2%	8%	25%	77%	187%	47%	42%	17%
1943	Wet	-40%	-40%	-41%	-24%	1%	11%	30%	97%	158%	43%	43%	53%
1944	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1945	Above Normal	-13%	-12%	-7%	-6%	1%	2%	3%	8%	13%	14%	14%	47%
1946	Above Normal	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
1950	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1951	Above Normal	-30%	-32%	-34%	-8%	3%	14%	47%	71%	49%	40%	40%	0%
1952	Wet	-57%	-75%	-38%	-23%	-5%	10%	27%	92%	92%	13%	11%	24%
1953	Below Normal	-16%	-17%	-12%	-1%	4%	6%	13%	20%	20%	20%	20%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	-74%	-75%	-42%	-27%	-4%	12%	31%	96%	253%	104%	25%	26%
1957	Below Normal	-6%	-8%	-4%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1958	Wet	-50%	-49%	-27%	-22%	6%	21%	62%	60%	11%	11%	11%	19%
1959	Dry	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1961	Critical	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-	-	-4%
1962	Below Normal	9%	10%	7%	4%	-1%	-3%	-8%	-11%	-22%	-14%	-14%	0%
1963	Above Normal	15%	0%	8%	6%	-1%	-2%	-3%	-7%	-12%	-12%	-12%	-32%
1964	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%
1967	Wet	-76%	-76%	-30%	0%	-1%	5%	7%	21%	29%	5%	4%	5%
1968	Dry	20%	14%	9%	17%	24%	19%	31%	28%	44%	44%	20%	20%
1969	Wet	-85%	-84%	-42%	-12%	-5%	9%	26%	33%	74%	57%	46%	17%
1970	Above Normal	-32%	-34%	-33%	-13%	0%	14%	38%	73%	41%	33%	60%	47%
1971	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1972	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1973	Above Normal	0%	-9%	-6%	-4%	-1%	3%	8%	13%	21%	17%	17%	0%
1974	Wet	-40%	-40%	-35%	-24%	1%	11%	30%	97%	160%	43%	43%	53%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	0%
1977	Critical	-7%	-7%	-7%	-6%	-6%	-19%	-6%	-6%	-	-	-	-6%
1978	Wet	-76%	-81%	-36%	-11%	-6%	7%	23%	36%	65%	21%	0%	20%
1979	Above Normal	-51%	-54%	-45%	-27%	3%	17%	45%	143%	254%	67%	67%	53%
1980	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	97%	93%	11%	11%	24%
1981	Dry	-11%	-9%	-8%	0%	4%	2%	9%	7%	20%	20%	0%	0%
1982	Wet	-85%	-84%	-42%	-22%	-4%	11%	30%	71%	104%	82%	11%	9%
1983	Wet	0%	-50%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	-60%	-60%	-46%	-33%	-3%	15%	53%	134%	266%	90%	70%	73%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-67%	-66%	-40%	-31%	-4%	12%	31%	118%	261%	43%	43%	82%
1987	Critical	17%	17%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%
1988	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-	-	-2%
1989	Critical	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1990	Critical	-3%	-3%	-4%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1991	Critical	-2%	-2%	-2%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1992	Critical	-3%	-3%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-	-	-4%
1993	Wet	-38%	-37%	-21%	-17%	2%	4%	6%	44%	124%	25%	25%	5%
1994	Critical	-4%	-4%	-4%	-3%	-3%	-3%	-3%	-3%	-3%	-	-	-3%
1995	Wet	0%	-50%	0%	0%	0%	0%	0%	0%	1%	2%	2%	1%
1996	Wet	-60%	-60%	-46%	-33%	-3%	15%	53%	116%	280%	49%	43%	57%
1997	Wet	-60%	-54%	-45%	-27%	3%	17%	45%	143%	248%	67%	67%	53%
1998	Wet	-69%	-68%	-22%	0%	2%	3%	5%	7%	19%	10%	8%	4%
1999	Above Normal	-32%	-34%	-33%	-13%	0%	14%	38%	73%	41%	33%	60%	47%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%
2003	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	90	130	124	100	78	27	0	0	0	0	16
1923	Above Normal	28	71	85	77	61	57	29	5	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	3	5	9	15	17	14	6	2	0	0	0	2
1926	Dry	1	2	4	4	4	4	1	0	0	0	0	0
1927	Above Normal	34	73	90	81	67	62	31	6	0	0	0	20
1928	Below Normal	1	14	18	24	28	22	9	3	0	0	0	3
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	36	83	114	98	85	66	22	1	1	1	1	22
1933	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	25	50	77	64	57	56	32	8	1	1	1	6
1936	Above Normal	25	66	82	63	56	54	32	7	1	1	1	0
1937	Wet	1	44	63	58	50	50	29	7	1	1	1	18
1938	Wet	0	28	99	168	120	108	53	14	2	7	7	21
1939	Dry	2	2	1	1	1	1	0	0	0	0	0	0
1940	Above Normal	21	56	64	59	55	50	16	5	0	0	1	10
1941	Wet	37	79	141	155	107	92	44	11	1	6	6	18
1942	Wet	38	89	123	121	97	76	25	0	0	0	0	15
1943	Wet	3	56	85	75	59	55	28	5	0	0	0	19
1944	Below Normal	1	13	17	28	32	26	10	3	1	1	1	0
1945	Above Normal	36	86	119	106	94	74	26	2	1	1	1	24
1946	Above Normal	24	59	70	48	39	40	25	5	1	1	1	16
1947	Dry	2	3	6	8	9	7	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	11	13	21	24	19	8	2	0	0	0	2
1951	Above Normal	2	15	20	33	38	31	12	4	1	1	1	4
1952	Wet	21	79	98	153	108	96	46	12	1	6	6	18
1953	Below Normal	3	18	24	39	45	37	15	4	1	1	1	4
1954	Below Normal	2	4	7	13	15	12	5	1	0	0	0	1
1955	Dry	1	2	3	6	7	5	2	1	0	0	0	1
1956	Wet	46	101	138	138	114	96	35	3	1	1	1	18
1957	Below Normal	9	26	36	47	43	37	12	4	0	0	1	13
1958	Wet	36	55	137	154	107	94	45	12	1	6	6	18
1959	Dry	1	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	28	75	92	85	70	65	33	6	0	0	0	21
1963	Above Normal	43	90	128	122	100	78	27	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	43	100	132	125	104	81	28	1	0	0	0	16
1966	Below Normal	3	17	18	19	22	18	7	2	0	0	0	2
1967	Wet	74	44	114	143	119	102	71	52	14	22	22	70
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	19	19	75	128	109	91	62	44	14	19	19	59
1970	Above Normal	11	29	41	55	52	45	15	5	0	0	1	15
1971	Below Normal	3	17	23	38	44	35	14	4	1	1	1	4
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	22	61	66	57	48	47	28	6	1	1	1	17
1974	Wet	30	71	85	75	60	56	28	5	0	0	0	19
1975	Wet	26	72	88	78	63	59	30	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	38	41	128	137	114	111	76	50	15	21	21	67
1979	Above Normal	21	60	71	54	46	46	28	6	1	1	0	0
1980	Wet	37	66	121	165	119	106	52	14	2	7	7	20
1981	Dry	1	13	16	26	30	24	10	3	0	0	0	3
1982	Wet	49	4	101	164	119	109	57	16	2	2	0	0
1983	Wet	0	46	126	104	104	107	95	59	15	24	26	83
1984	Above Normal	30	73	87	79	65	60	30	6	0	0	0	20
1985	Dry	3	5	8	14	16	13	5	1	0	0	0	0
1986	Wet	0	85	116	102	89	70	23	1	1	1	1	23
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	40	100	136	134	110	92	33	2	1	1	1	18
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	58	92	164	135	104	108	101	64	15	26	26	83
1996	Wet	28	73	88	80	65	60	31	6	0	0	0	15
1997	Wet	29	62	73	49	40	41	25	5	1	1	1	0
1998	Wet	44	21	125	117	122	96	83	55	15	24	24	75
1999	Above Normal	11	30	42	58	54	48	16	5	0	0	1	15
2000	Above Normal	18	58	68	49	40	41	25	4	1	1	1	16
2001	Dry	1	1	2	3	4	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	12	15	24	28	23	9	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 4 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	62	85	139	145	122	105	99	55	15	26	25	71
1923	Above Normal	30	74	89	81	66	61	31	6	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	34	83	111	89	75	69	35	7	1	1	1	22
1928	Below Normal	2	3	6	9	10	8	3	1	0	0	0	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	29	73	87	78	63	58	30	5	0	0	0	20
1933	Dry	0	0	0	1	1	1	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	19	46	68	53	45	45	27	6	1	1	1	4
1936	Above Normal	29	82	113	96	82	65	21	0	1	1	1	0
1937	Wet	24	52	99	141	118	104	78	51	15	20	20	62
1938	Wet	19	74	155	141	111	115	110	63	16	28	28	87
1939	Dry	10	29	40	54	51	43	14	5	0	0	0	0
1940	Above Normal	20	59	69	54	46	46	27	6	1	1	1	12
1941	Wet	66	61	142	147	125	108	100	54	15	23	26	73
1942	Wet	72	90	134	143	119	103	91	57	14	22	16	70
1943	Wet	3	58	116	143	120	106	79	51	15	20	20	63
1944	Below Normal	4	6	11	19	21	17	7	2	0	0	0	0
1945	Above Normal	44	105	139	134	111	92	33	2	1	1	1	18
1946	Above Normal	27	63	75	62	55	54	31	7	1	1	1	18
1947	Dry	1	1	1	1	1	1	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	1	1	1	1	1	0	0	0	0	0	0
1951	Above Normal	36	86	115	99	86	68	22	1	1	1	1	23
1952	Wet	49	68	147	145	113	101	102	59	15	29	29	79
1953	Below Normal	22	58	67	52	44	44	27	6	1	1	1	17
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	87	108	162	148	117	105	107	58	15	26	30	82
1957	Below Normal	21	56	64	48	39	40	24	5	1	1	1	16
1958	Wet	57	30	132	142	118	102	93	63	15	26	26	70
1959	Dry	2	4	7	11	13	10	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	20	58	67	51	43	43	26	6	1	1	1	16
1963	Above Normal	38	90	121	107	95	75	26	2	1	1	1	24
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	46	106	140	136	112	93	33	2	1	1	1	18
1966	Below Normal	2	15	18	29	34	27	11	3	1	0	1	3
1967	Wet	94	72	157	141	111	115	112	68	16	28	28	87
1968	Dry	10	29	40	53	50	42	14	4	0	0	0	0
1969	Wet	53	58	148	135	111	115	110	63	16	28	28	87
1970	Above Normal	44	104	138	133	109	90	32	2	1	1	1	17
1971	Below Normal	3	6	11	18	20	16	7	2	0	0	0	2
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	24	74	83	82	67	62	31	6	0	0	0	20
1974	Wet	56	68	103	130	110	95	65	44	14	19	19	59
1975	Wet	26	77	93	86	72	67	34	7	0	0	0	21
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	61	76	181	141	111	115	91	68	16	32	32	87
1979	Above Normal	63	78	121	136	112	109	89	53	14	21	0	34
1980	Wet	73	126	181	141	111	115	115	66	16	32	32	88
1981	Dry	11	31	43	57	53	48	16	5	0	0	1	15
1982	Wet	85	48	181	141	111	115	93	63	16	23	9	42
1983	Wet	2	55	137	110	111	115	101	63	16	26	28	87
1984	Above Normal	73	89	132	142	118	101	86	50	14	22	23	69
1985	Dry	3	6	10	16	18	15	6	2	0	0	0	0
1986	Wet	36	93	148	144	120	95	93	59	15	28	28	75
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	55	75	117	142	119	105	81	52	15	20	20	63
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	62	101	170	141	111	115	111	68	16	28	28	87
1996	Wet	65	89	134	143	120	103	86	51	14	8	0	65
1997	Wet	71	81	122	133	108	106	78	50	14	20	20	27
1998	Wet	59	41	152	113	111	115	109	63	16	28	28	87
1999	Above Normal	46	106	141	137	113	94	34	2	1	1	1	18
2000	Above Normal	20	56	64	47	38	39	24	3	1	1	1	16
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	1	2	2	2	2	1	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
 Alternative 4 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	28	-5	10	21	22	27	72	55	14	26	25	56
1923	Above Normal	2	3	4	4	5	4	2	1	0	0	0	1
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	-2	-4	-8	-15	-17	-14	-6	-2	0	0	0	-2
1926	Dry	-1	-2	-4	-4	-4	-4	-1	0	0	0	0	0
1927	Above Normal	0	10	21	7	8	7	3	1	0	0	0	1
1928	Below Normal	1	-11	-12	-15	-18	-14	-6	-2	0	0	0	-2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	-7	-10	-27	-20	-22	-8	8	5	0	0	0	-3
1933	Dry	-1	-3	-5	-8	-9	-7	-3	-1	0	0	0	-1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	-7	-5	-9	-11	-13	-11	-5	-2	0	0	0	-2
1936	Above Normal	4	16	32	33	27	10	-11	-7	-1	0	0	0
1937	Wet	24	8	37	83	68	54	49	44	14	19	19	45
1938	Wet	19	46	56	-27	-9	7	58	49	14	21	21	67
1939	Dry	8	27	40	53	50	43	14	4	0	0	0	0
1940	Above Normal	-1	4	5	-5	-9	-5	11	1	0	0	0	2
1941	Wet	29	-17	1	-8	18	16	57	42	14	17	20	55
1942	Wet	34	1	11	23	22	27	65	57	14	22	16	55
1943	Wet	0	2	31	68	60	51	51	46	15	20	20	44
1944	Below Normal	3	-7	-6	-9	-11	-8	-4	-1	0	0	0	0
1945	Above Normal	7	18	20	28	17	17	7	0	0	0	0	-6
1946	Above Normal	4	4	5	14	15	13	6	2	0	0	0	2
1947	Dry	-1	-3	-5	-7	-8	-6	-3	-1	0	0	0	-1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	-10	-12	-20	-23	-19	-8	-2	0	0	0	-2
1951	Above Normal	34	71	96	67	48	37	10	-3	0	0	0	19
1952	Wet	28	-11	49	-8	5	6	57	47	13	23	23	61
1953	Below Normal	18	40	44	13	-1	8	12	2	0	0	0	12
1954	Below Normal	-2	-4	-7	-13	-14	-12	-5	-1	0	0	0	-1
1955	Dry	-1	-2	-3	-6	-6	-5	-2	-1	0	0	0	-1
1956	Wet	41	7	24	10	3	9	72	55	14	25	29	64
1957	Below Normal	12	29	28	1	-5	3	13	1	0	0	0	2
1958	Wet	22	-25	-5	-12	11	8	48	52	14	20	20	52
1959	Dry	1	4	7	11	12	10	4	1	0	0	0	1
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	-8	-17	-25	-33	-28	-22	-7	-1	0	0	0	-4
1963	Above Normal	-5	1	-7	-15	-5	-3	0	2	1	1	1	8
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	3	6	8	10	9	12	6	2	0	0	0	2
1966	Below Normal	-1	-2	0	10	12	9	4	1	0	0	0	1
1967	Wet	19	28	43	-2	-7	13	41	16	1	5	5	17
1968	Dry	10	29	40	53	50	42	14	4	0	0	0	0
1969	Wet	34	39	73	6	2	25	48	19	2	9	9	28
1970	Above Normal	33	74	97	78	58	45	17	-3	0	0	0	3
1971	Below Normal	0	-11	-12	-20	-24	-19	-8	-2	0	0	0	-2
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	2	13	17	25	20	15	3	-1	0	0	0	3
1974	Wet	26	-3	18	55	50	40	36	39	13	19	19	40
1975	Wet	0	5	6	8	9	8	4	1	0	0	0	1
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	23	35	52	3	-3	4	15	18	1	11	11	21
1979	Above Normal	42	18	50	81	66	63	61	47	14	21	0	34
1980	Wet	35	60	60	-24	-7	9	63	52	14	25	25	68
1981	Dry	10	18	27	31	23	24	6	2	0	0	1	12
1982	Wet	37	44	80	-23	-8	6	36	47	14	21	9	42
1983	Wet	2	9	11	6	7	8	6	4	1	1	1	4
1984	Above Normal	42	17	45	63	53	41	56	45	14	22	22	49
1985	Dry	1	1	2	2	3	2	1	0	0	0	0	0
1986	Wet	36	8	32	42	32	25	70	58	14	27	27	52
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	16	-25	-19	8	9	13	48	49	14	19	19	45
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	4	9	6	5	7	8	10	4	1	1	1	4
1996	Wet	37	16	45	64	55	43	55	46	14	8	0	50
1997	Wet	43	19	49	84	68	65	53	45	13	20	20	27
1998	Wet	15	20	27	-4	-10	19	26	8	1	4	4	12
1999	Above Normal	36	76	99	79	59	46	18	-3	0	0	0	3
2000	Above Normal	1	-3	-4	-2	-2	-2	-1	0	0	0	0	0
2001	Dry	-1	-1	-2	-3	-4	-3	-1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	-11	-13	-22	-26	-21	-8	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	84%	-6%	7%	17%	22%	34%	272%	47274%	4349%	7717%	7546%	352%
1923	Above Normal	5%	4%	4%	5%	7%	7%	7%	10%	26%	26%	26%	3%
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-90%	-91%	-94%	-98%	-98%	-98%	-98%	-98%	-98%	-98%	-98%	-98%
1926	Dry	-96%	-98%	-100%	-99%	-99%	-99%	-99%	-99%	-99%	-99%	-99%	-99%
1927	Above Normal	1%	13%	24%	9%	12%	11%	11%	16%	35%	29%	30%	6%
1928	Below Normal	41%	-76%	-68%	-63%	-64%	-63%	-64%	-64%	-64%	-64%	-64%	-64%
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-19%	-12%	-24%	-21%	-26%	-12%	37%	629%	-49%	-49%	-49%	-12%
1933	Dry	-90%	-93%	-94%	-93%	-93%	-93%	-93%	-93%	-93%	-93%	-93%	-93%
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-27%	-9%	-12%	-17%	-22%	-20%	-16%	-20%	-28%	-28%	-28%	-29%
1936	Above Normal	15%	25%	39%	53%	48%	19%	-35%	-95%	-49%	-20%	-21%	-
1937	Wet	3831%	19%	58%	143%	134%	109%	166%	656%	1915%	2638%	2638%	254%
1938	Wet	-	161%	56%	-16%	-7%	7%	110%	348%	671%	315%	315%	323%
1939	Dry	462%	1142%	7941%	5381%	4471%	4660%	3872%	4237%	1747%	1747%	-	-
1940	Above Normal	-3%	7%	8%	-8%	-16%	-9%	68%	20%	51%	51%	-41%	17%
1941	Wet	80%	-22%	1%	-5%	16%	18%	129%	373%	1014%	287%	337%	306%
1942	Wet	88%	1%	9%	19%	23%	35%	258%	94129%	5014%	7799%	-	357%
1943	Wet	0%	3%	37%	91%	102%	92%	182%	915%	5211%	7093%	7093%	227%
1944	Below Normal	232%	-52%	-33%	-32%	-34%	-32%	-34%	-34%	-34%	-34%	-34%	-
1945	Above Normal	20%	21%	17%	26%	18%	23%	28%	17%	-32%	-32%	-32%	-26%
1946	Above Normal	15%	7%	7%	28%	39%	33%	26%	34%	53%	53%	53%	14%
1947	Dry	-73%	-79%	-83%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%	-89%
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-93%	-93%	-97%	-97%	-97%	-97%	-97%	-97%	-97%	-97%	-97%
1951	Above Normal	1606%	460%	479%	203%	126%	121%	80%	-75%	16%	16%	16%	528%
1952	Wet	136%	-14%	50%	-5%	5%	6%	125%	392%	938%	386%	388%	336%
1953	Below Normal	567%	228%	185%	34%	-3%	21%	81%	38%	-15%	-15%	-15%	288%
1954	Below Normal	-87%	-90%	-94%	-98%	-98%	-98%	-98%	-98%	-98%	-98%	-98%	-98%
1955	Dry	-98%	-99%	-96%	-97%	-97%	-97%	-97%	-97%	-97%	-97%	-97%	-97%
1956	Wet	89%	7%	18%	8%	3%	10%	207%	2116%	2244%	3883%	4526%	350%
1957	Below Normal	142%	111%	78%	2%	-11%	8%	108%	38%	156%	156%	-40%	19%
1958	Wet	61%	-46%	-3%	-8%	10%	8%	108%	437%	1000%	344%	344%	292%
1959	Dry	148%	6371%	5599%	4716%	4716%	4716%	4716%	4716%	-	-	-	4716%
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-30%	-23%	-27%	-39%	-39%	-33%	-20%	-10%	23%	23%	23%	-21%
1963	Above Normal	-11%	1%	-5%	-12%	-5%	-4%	-2%	7375%	158%	144%	147%	51%
1964	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965	Wet	7%	6%	6%	8%	8%	14%	20%	326%	53%	53%	53%	10%
1966	Below Normal	-36%	-14%	-1%	53%	55%	52%	55%	55%	55%	-	55%	55%
1967	Wet	26%	62%	37%	-2%	-6%	13%	58%	30%	10%	24%	24%	25%
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	173%	200%	97%	5%	2%	27%	78%	44%	16%	46%	46%	48%
1970	Above Normal	295%	254%	239%	142%	112%	99%	113%	-63%	54%	54%	-47%	19%
1971	Below Normal	16%	-64%	-54%	-53%	-54%	-53%	-54%	-54%	-54%	-54%	-54%	-54%
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	7%	21%	26%	44%	41%	31%	11%	-8%	-47%	-32%	-29%	18%
1974	Wet	84%	-4%	21%	73%	83%	71%	128%	767%	4691%	6566%	6558%	206%
1975	Wet	1%	7%	6%	10%	14%	13%	13%	19%	48%	48%	48%	7%
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Wet	61%	84%	41%	3%	-2%	4%	20%	37%	8%	50%	50%	31%
1979	Above Normal	201%	30%	71%	149%	142%	136%	220%	756%	2100%	3144%	-	-
1980	Wet	95%	90%	49%	-15%	-6%	8%	122%	377%	729%	384%	384%	335%
1981	Dry	1148%	139%	168%	121%	78%	99%	64%	75%	-17%	-17%	121%	426%
1982	Wet	75%	1124%	79%	-14%	-6%	6%	64%	302%	696%	888%	-	-
1983	Wet	-	19%	8%	5%	7%	7%	6%	7%	8%	5%	4%	5%
1984	Above Normal	139%	23%	51%	79%	82%	69%	183%	787%	3707%	5813%	5937%	247%
1985	Dry	30%	26%	22%	17%	17%	17%	17%	17%	17%	17%	17%	-
1986	Wet	8798%	10%	28%	41%	36%	35%	299%	4917%	1924%	3652%	3652%	225%
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993	Wet	39%	-25%	-14%	6%	8%	14%	146%	2296%	2584%	3541%	3541%	258%
1994	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995	Wet	6%	10%	4%	4%	7%	7%	10%	6%	7%	4%	4%	5%
1996	Wet	133%	22%	51%	80%	84%	72%	180%	829%	3702%	80%	-	338%
1997	Wet	149%	31%	67%	171%	170%	158%	211%	818%	2478%	3696%	3696%	-
1998	Wet	34%	94%	21%	-4%	-8%	20%	31%	15%	7%	15%	15%	16%
1999	Above Normal	337%	250%	234%	138%	111%	95%	111%	-51%	57%	57%	-41%	21%
2000	Above Normal	7%	-4%	-6%	-4%	-5%	-4%	-3%	-7%	-3%	-5%	-5%	-2%
2001	Dry	-92%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	33%	-90%	-88%	-91%	-91%	-91%	-91%	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	74	77	86	67	0	0	0	0	0	0	61	25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	13	0	0	0	0	0	0	0	0	9
1927	Above Normal	0	0	86	83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	83	0	0	0	0	0	0	0	0
1936	Above Normal	19	0	86	22	0	0	0	0	0	0	0	0
1937	Wet	0	12	12	83	0	0	0	0	0	33	74	67
1938	Wet	0	0	12	34	31	0	0	0	0	0	21	10
1939	Dry	13	83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	86	47	0	0	0	0	0	0	0	0
1941	Wet	74	69	11	45	13	0	0	0	0	0	74	57
1942	Wet	0	78	70	69	0	0	0	0	0	0	0	67
1943	Wet	0	2	86	20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	2
1945	Above Normal	0	0	65	58	0	0	0	0	0	42	74	10
1946	Above Normal	0	0	67	0	0	0	0	0	0	0	6	22
1947	Dry	0	0	12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	74	74	69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	69
1952	Wet	0	0	12	48	0	0	0	0	0	0	44	12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1956	Wet	50	76	62	40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	12	46	0	0	0	0	0	0	0	0
1959	Dry	25	1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	7	0	0	0	0	0	0	0	67
1963	Above Normal	0	0	0	31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	74	69
1965	Wet	0	0	0	0	0	0	0	0	0	0	56	8
1966	Below Normal	0	34	56	0	0	0	0	0	0	0	25	68
1967	Wet	76	0	8	71	38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	12	0	40	0	0	0	0	0	63	6
1970	Above Normal	25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	78	11	83	0	0	0	0	0	1	74	28
1974	Wet	72	82	86	75	0	0	0	0	0	0	0	0
1975	Wet	0	0	75	83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	2
1978	Wet	0	0	10	71	33	0	0	0	0	0	61	13
1979	Above Normal	40	0	86	51	0	0	0	0	0	0	0	0
1980	Wet	0	77	82	37	32	0	0	0	0	0	11	14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1982	Wet	74	0	86	38	0	0	0	79	71	0	0	0
1983	Wet	0	0	0	0	53	0	0	0	46	0	74	0
1984	Above Normal	27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	2
1986	Wet	0	80	86	77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	31
1993	Wet	74	76	72	58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	36	69
1995	Wet	0	71	0	71	53	0	0	0	0	0	0	17
1996	Wet	0	82	86	83	0	0	0	0	0	0	0	0
1997	Wet	78	16	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	3	0	40	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	86	41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 4 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	67
1938	Wet	0	0	0	71	46	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	0	0	0	5	46	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	37	0	0	0	0	0	0	0	0
1980	Wet	0	0	66	23	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	52	16	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	46	0	0	0	4	0	74	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	60	70	63	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	70	0	52	46	0	0	0	0	0	0	0
1996	Wet	0	69	85	69	0	0	0	0	0	0	0	0
1997	Wet	50	21	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 4 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-74	-77	-86	-67	0	0	0	0	0	0	-61	-25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	-13	0	0	0	0	0	0	0	0	-9
1927	Above Normal	0	0	-86	-83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	-24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	-67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	-83	0	0	0	0	0	0	0	0
1936	Above Normal	-19	0	-86	-22	0	0	0	0	0	0	0	0
1937	Wet	0	-12	-12	-83	0	0	0	0	0	-33	-74	0
1938	Wet	0	0	-12	38	16	0	0	0	0	0	-21	-10
1939	Dry	-13	-83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	-86	-47	0	0	0	0	0	0	0	0
1941	Wet	-74	-69	-11	-45	-13	0	0	0	0	0	-74	-57
1942	Wet	0	-78	-70	-69	0	0	0	0	0	0	0	-67
1943	Wet	0	-2	-86	-20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	-2
1945	Above Normal	0	0	-65	-58	0	0	0	0	0	-42	-74	-10
1946	Above Normal	0	0	-67	0	0	0	0	0	0	0	-6	-22
1947	Dry	0	0	-12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	-74	-74	-69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	-69
1952	Wet	0	0	-12	-48	0	0	0	0	0	0	-44	-12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1956	Wet	-50	-76	-62	-40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	-12	-46	0	0	0	0	0	0	0	0
1959	Dry	-25	-1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	-7	0	0	0	0	0	0	0	-67
1963	Above Normal	0	0	0	-31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	-74	-69
1965	Wet	0	0	0	0	0	0	0	0	0	0	-56	-8
1966	Below Normal	0	-34	-56	0	0	0	0	0	0	0	-25	-68
1967	Wet	-76	0	-8	-71	8	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-12	0	7	0	0	0	0	0	-63	-6
1970	Above Normal	-25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-78	-11	-83	0	0	0	0	0	-1	-74	-28
1974	Wet	-72	-82	-86	-75	0	0	0	0	0	0	0	0
1975	Wet	0	0	-75	-83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	-2
1978	Wet	0	0	-10	-67	13	0	0	0	0	0	-61	-13
1979	Above Normal	-40	0	-86	-15	0	0	0	0	0	0	0	0
1980	Wet	0	-77	-16	-14	-32	0	0	0	0	0	-11	-14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1982	Wet	-74	0	-34	-22	0	0	0	-79	-71	0	0	0
1983	Wet	0	0	0	0	-7	0	0	0	-42	0	0	0
1984	Above Normal	-27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	-2
1986	Wet	0	-20	-16	-14	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-31
1993	Wet	-74	-76	-72	-58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-36	-69
1995	Wet	0	-1	0	-20	-7	0	0	0	0	0	0	-17
1996	Wet	0	-13	-1	-14	0	0	0	0	0	0	0	0
1997	Wet	-27	5	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-3	0	6	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	-86	-41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1923	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1926	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1927	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1928	Below Normal	-	-	-100%	-	-	-	-	-	-	-	-	-
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1933	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1936	Above Normal	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1937	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	0%
1938	Wet	-	-	-100%	111%	51%	-	-	-	-	-	-100%	-100%
1939	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1940	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1941	Wet	-100%	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1942	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-100%
1943	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1944	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1945	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1946	Above Normal	-	-	-100%	-	-	-	-	-	-	-	-100%	-100%
1947	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-	-	-	-	-	-	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1952	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1953	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1954	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1955	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1956	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1957	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1958	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1959	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-	-	-	-100%	-	-	-	-	-	-	-	-100%
1963	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1965	Wet	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1966	Below Normal	-	-100%	-100%	-	-	-	-	-	-	-	-100%	-100%
1967	Wet	-100%	-	-100%	-100%	21%	-	-	-	-	-	-	-
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	-	-	-100%	-100%	17%	-	-	-	-	-	-100%	-100%
1970	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1971	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1974	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1975	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1978	Wet	-	-	-100%	-93%	38%	-	-	-	-	-	-100%	-100%
1979	Above Normal	-100%	-	-100%	-28%	-	-	-	-	-	-	-	-
1980	Wet	-	-100%	-20%	-37%	-100%	-	-	-	-	-	-100%	-100%
1981	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1982	Wet	-100%	-	-39%	-59%	-	-	-	-100%	-100%	-	-	-
1983	Wet	-	-	-	-	-13%	-	-	-	-	-	0%	-
1984	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1985	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1986	Wet	-	-25%	-19%	-18%	-	-	-	-	-	-	-	-
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1993	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1995	Wet	-	-1%	-	-28%	-12%	-	-	-	-	-	-	-100%
1996	Wet	-100%	-16%	-1%	-17%	-	-	-	-	-	-	-	-
1997	Wet	-35%	33%	0%	-	-	-	-	-	-	-	-	-
1998	Wet	-	-	-100%	-	15%	-	-	-	-	-	-	-
1999	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
2000	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
2001	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
Existing Condition (cfs)

SAC		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,811	3,559	5,150	7,708	8,580	7,075	4,199	3,214	2,008	1,645	2,026	2,651		
1923	Below Normal	2,215	2,571	3,912	5,671	6,132	5,290	3,567	2,811	1,675	1,208	1,324	1,733		
1924	Critical	1,518	1,792	2,510	3,515	3,695	3,353	2,517	2,008	1,181	778	731	1,018		
1925	Dry	2,084	2,337	3,672	5,271	5,652	4,944	3,453	2,739	1,620	1,132	1,191	1,627		
1926	Dry	1,889	2,054	3,148	4,400	4,605	4,187	3,198	2,578	1,494	960	898	1,261		
1927	Wet	2,269	2,723	4,094	5,973	6,495	5,554	3,657	2,869	1,721	1,269	1,427	1,855		
1928	Above Normal	2,134	2,487	3,945	5,727	6,200	5,339	3,583	2,821	1,683	1,218	1,343	1,819		
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1930	Dry	1,871	2,352	3,314	4,672	4,932	4,425	3,283	2,632	1,538	1,018	992	1,375		
1931	Critical	1,482	1,744	2,442	3,404	3,563	3,256	2,481	1,985	1,162	753	692	938		
1932	Dry	1,638	1,828	2,734	3,881	4,135	3,676	2,636	2,084	1,246	862	859	1,172		
1933	Critical	1,392	1,524	2,299	3,171	3,283	3,051	2,406	1,937	1,120	700	610	874		
1934	Critical	1,544	1,827	2,558	3,593	3,789	3,423	2,543	2,024	1,195	796	758	1,051		
1935	Below Normal	1,512	1,691	3,387	4,795	5,080	4,532	3,318	2,654	1,555	1,042	1,033	1,378		
1936	Below Normal	2,237	2,347	3,854	5,575	6,017	5,207	3,539	2,794	1,662	1,189	1,292	1,754		
1937	Below Normal	1,681	2,486	3,531	5,036	5,369	4,741	3,386	2,697	1,588	1,087	1,113	1,528		
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1939	Dry	2,002	2,553	3,603	5,156	5,514	4,641	3,420	2,719	1,604	1,110	1,153	1,524		
1940	Above Normal	2,049	2,498	3,826	5,527	5,960	5,166	3,526	2,785	1,655	1,181	1,276	1,735		
1941	Wet	2,678	3,388	4,654	6,978	8,208	6,807	4,111	3,158	1,965	1,586	1,923	2,521		
1942	Wet	2,803	3,553	5,169	7,740	8,617	6,425	4,208	3,219	2,012	1,651	2,037	2,664		
1943	Wet	2,849	3,114	5,128	7,671	8,535	7,043	4,189	3,207	2,003	1,638	2,014	2,544		
1944	Dry	1,971	2,149	3,306	4,660	4,917	4,415	3,279	2,629	1,536	1,016	987	1,370		
1945	Below Normal	2,233	2,952	4,422	6,509	7,139	6,026	3,831	2,980	1,816	1,391	1,615	2,147		
1946	Below Normal	2,445	2,935	4,389	6,454	7,073	5,978	3,813	2,968	1,806	1,379	1,596	2,124		
1947	Dry	2,052	2,498	3,904	5,658	6,117	5,279	3,563	2,809	1,673	1,205	1,320	1,728		
1948	Below Normal	1,802	2,087	3,189	4,467	4,686	4,246	3,220	2,592	1,506	975	921	1,289		
1949	Dry	2,079	2,770	4,365	6,415	7,027	5,944	3,801	2,960	1,799	1,370	1,582	2,108		
1950	Below Normal	1,996	2,331	3,618	5,180	5,543	4,865	3,427	2,723	1,608	1,115	1,161	1,589		
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066		
1952	Wet	2,991	3,392	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1953	Wet	2,107	2,417	3,773	5,439	5,855	5,090	3,501	2,770	1,643	1,164	1,247	1,698		
1954	Above Normal	2,099	2,385	3,707	5,328	5,721	4,874	3,469	2,750	1,628	1,143	1,210	1,651		
1955	Dry	2,252	2,487	3,885	5,627	6,080	5,252	3,554	2,803	1,669	1,199	1,310	1,715		
1956	Wet	2,967	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560		
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308		
1958	Wet	2,883	3,294	5,286	8,032	9,475	7,720	4,411	3,347	2,110	1,786	2,274	2,964		
1959	Below Normal	1,978	1,942	3,515	5,008	5,336	4,716	3,378	2,692	1,584	1,082	1,103	1,464		
1960	Dry	1,941	2,558	3,566	5,094	5,439	3,540	3,403	2,707	1,596	1,098	1,132	1,553		
1961	Dry	2,100	2,778	3,885	5,575	6,080	3,511	3,554	2,803	1,669	1,199	1,310	1,776		
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778		
1963	Wet	2,208	2,618	3,946	5,728	6,202	5,340	3,583	2,822	1,683	1,219	1,343	1,756		
1964	Dry	2,247	2,742	3,875	5,609	6,059	4,976	3,549	2,800	1,667	1,196	1,304	1,769		
1965	Wet	2,260	2,581	4,947	7,369	8,171	4,820	4,103	3,153	1,961	1,580	1,913	2,508		
1966	Below Normal	2,230	2,222	3,967	5,763	6,244	5,371	3,593	2,828	1,688	1,225	1,355	1,834		
1967	Wet	3,010	3,392	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1968	Below Normal	2,028	2,532	3,555	5,075	5,417	4,775	3,397	2,704	1,593	1,095	1,126	1,545		
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157		
1971	Wet	1,972	2,282	3,542	5,053	5,390	4,755	3,391	2,700	1,590	1,091	1,119	1,482		
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679		
1973	Above Normal	2,297	2,809	4,217	6,173	6,736	5,730	3,722	2,910	1,756	1,315	1,497	2,006		
1974	Wet	2,898	3,229	5,243	7,864	8,767	5,806	4,243	3,241	2,029	1,674	2,078	2,716		
1975	Wet	2,435	3,054	4,407	6,484	7,110	5,048	3,823	2,974	1,812	1,386	1,606	2,063		
1976	Critical	1,754	2,054	2,896	3,988	4,111	3,824	3,065	2,493	1,421	866	753	1,088		
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917		
1978	Above Normal	2,597	3,863	5,412	7,725	9,106	7,454	4,324	3,292	2,068	1,728	2,172	2,835		
1979	Below Normal	2,184	2,782	4,187	6,124	6,677	5,687	3,706	2,900	1,748	1,304	1,480	1,917		
1980	Above Normal	2,971	3,746	4,985	7,531	8,872	7,286	4,139	3,257	2,041	1,691	2,107	2,753		
1981	Dry	2,123	2,366	3,731	5,369	5,769	5,029	3,481	2,757	1,634	1,150	1,224	1,668		
1982	Wet	3,091	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144		
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824		
1986	Wet	2,458	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287		
1987	Dry	1,564	2,352	3,313	4,672	4,931	4,425	3,283	2,632	1,538	1,018	991	1,328		
1988	Critical	1,526	1,747	2,467	3,288	3,270	3,208	2,838	2,348	1,297	707	508	794		
1989	Dry	1,512	2,278	3,547	5,062	5,401	4,164	3,394	2,702	1,591	1,092	1,121	1,539		
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1991	Critical	1,568	1,741	2,654	3,750	3,977	3,560	2,593	2,056	1,223	832	813	1,079		
1992	Critical	1,605	2,085	2,921	3,869	4,508	3,946	2,727	1,921	1,292	924	964	1,303		
1993	Above Normal	2,221	2,940	3,921	5,775	6,764	5,714	3,730	2,915	1,761	1,320	1,505	2,016		
1994	Critical	2,154	2,661	3,727	5,294	6,059	4,378	3,120	2,390	1,487	1,189	1,415	1,865		
1995	Wet	2,872	3,893	5,446	7,781	9,173	7,503	4,340	3,302	2,075	1,738	2,191	2,760		
1996	Wet	2,515	2,924	4,710	6,978	7,702	5,862	3,983	3,077	1,899	1,498	1,779	2,344		
1997	Wet	2,799	3,118	4,681	7,022	8,261	5,593	4,124	3,166	1,971	1,594	1,938	2,540		
1998	Wet	2,967	3,961	5,604	8,467	9,492	7,732	4,415	3,350	2,112	1,789	2,279	2,970		
1999	Wet	2,194	2,711	4,083	5,954	6,474	5,538	3,651	2,865	1,718	1,265	1,420	1,848		
2000	Above Normal	2,205	2,726	4,097	5,978	6,502	5,559	3,659	2,870	1,722	1,271	1,429	1,924		
2001	Dry	2,134	2,386	3,713	5,339	5,734	5,003	3,472	2,752	1,629	1,145	1,214	1,655		
2002	Dry	2,108	2,319	3,591	5,136	5,489	4,827	3,415	2,715	1,602	1,106	1,146	1,570		
2003	Above Normal	2,227	2,623	3,951	5,736	6,211	5,347	3,585	n/a	n/a	n/a	n/a	n/a		

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 4 (cfs)
 SVI

Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,861	3,606	5,227	7,845	8,743	6,944	4,220	3,237	2,023	1,677	2,034	2,712
1923	Below Normal	2,253	2,603	3,967	5,772	6,253	5,367	3,578	2,828	1,686	1,233	1,369	1,777
1924	Critical	1,544	1,826	2,558	3,593	3,789	3,422	2,542	2,024	1,195	796	758	1,051
1925	Dry	2,072	2,273	3,555	5,078	5,420	4,772	3,391	2,704	1,592	1,098	1,131	1,547
1926	Dry	1,963	2,138	3,286	4,628	4,878	3,306	3,267	2,623	1,531	1,011	979	1,357
1927	Wet	2,306	2,753	4,149	6,074	6,616	5,629	3,665	2,884	1,729	1,292	1,470	1,900
1928	Above Normal	2,185	2,556	4,015	5,849	6,346	5,437	3,605	2,842	1,697	1,246	1,391	1,872
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,353	3,315	4,674	4,934	4,427	3,283	2,632	1,538	1,019	992	1,376
1931	Critical	1,482	1,744	2,442	3,405	3,563	3,257	2,481	1,985	1,162	753	692	939
1932	Dry	1,692	1,884	2,824	4,040	4,324	3,802	2,663	2,110	1,264	898	923	1,242
1933	Critical	1,407	1,524	2,299	3,173	3,285	3,049	2,399	1,936	1,118	701	613	876
1934	Critical	1,533	1,812	2,538	3,561	3,751	3,394	2,532	2,017	1,189	789	747	1,038
1935	Below Normal	1,566	1,746	3,460	4,926	5,235	4,634	3,338	2,676	1,570	1,072	1,086	1,434
1936	Below Normal	2,294	2,608	3,950	5,742	6,217	5,341	3,569	2,823	1,682	1,228	1,293	1,755
1937	Below Normal	1,737	2,487	3,557	5,194	5,558	4,866	3,413	2,724	1,606	1,086	1,110	1,525
1938	Wet	3,184	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	1,960	2,508	3,546	5,068	5,407	3,593	3,379	2,702	1,589	1,099	1,133	1,492
1940	Above Normal	2,146	2,616	4,005	5,835	6,329	5,422	3,596	2,839	1,694	1,208	1,325	1,809
1941	Wet	2,716	3,414	4,701	7,064	8,310	6,870	4,118	3,172	1,974	1,609	1,897	2,561
1942	Wet	2,855	3,605	5,253	7,889	8,796	6,500	4,233	3,245	2,029	1,685	2,031	2,730
1943	Wet	2,890	3,498	5,205	7,808	8,698	7,146	4,210	3,230	2,018	1,670	2,070	2,603
1944	Dry	2,001	2,178	3,351	4,741	5,014	4,477	3,289	2,643	1,545	1,036	1,023	1,407
1945	Below Normal	2,271	2,962	4,450	6,565	7,206	6,062	3,825	2,985	1,816	1,404	1,643	2,174
1946	Below Normal	2,475	2,957	4,432	6,536	7,171	6,036	3,816	2,979	1,811	1,398	1,632	2,162
1947	Dry	2,090	2,541	3,974	5,780	6,263	5,378	3,587	2,830	1,688	1,232	1,367	1,779
1948	Below Normal	1,802	2,083	3,182	4,456	4,672	4,236	3,217	2,590	1,504	973	918	1,285
1949	Dry	2,081	2,774	4,371	6,425	7,038	5,952	3,803	2,962	1,801	1,372	1,586	2,112
1950	Below Normal	2,029	2,364	3,671	5,275	5,655	4,940	3,443	2,739	1,619	1,114	1,160	1,630
1951	Above Normal	2,584	3,010	4,506	6,657	7,316	6,142	3,855	3,004	1,832	1,425	1,675	2,090
1952	Wet	3,044	3,783	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,075	2,435	3,795	5,485	5,908	5,118	3,497	2,776	1,646	1,179	1,273	1,720
1954	Above Normal	2,131	2,419	3,762	5,425	5,836	4,946	3,489	2,766	1,640	1,164	1,247	1,693
1955	Dry	2,259	2,493	3,895	5,645	6,101	5,266	3,557	2,806	1,671	1,204	1,317	1,712
1956	Wet	2,936	3,549	4,804	7,237	8,518	7,020	4,167	3,203	1,998	1,641	2,020	2,633
1957	Above Normal	2,079	2,156	3,305	4,668	4,925	4,409	3,262	2,628	1,532	1,021	999	1,377
1958	Wet	2,940	3,724	5,193	7,877	9,289	7,586	4,367	3,320	2,089	1,757	2,223	2,899
1959	Below Normal	1,987	2,286	3,572	5,110	5,458	4,797	3,395	2,709	1,596	1,106	1,145	1,508
1960	Dry	1,940	2,559	3,568	5,096	5,442	3,532	3,403	2,708	1,596	1,099	1,133	1,554
1961	Dry	2,100	2,777	3,884	5,574	6,078	5,511	3,554	2,803	1,669	1,199	1,309	1,776
1962	Below Normal	2,206	2,622	3,979	5,790	6,275	5,383	3,583	2,831	1,688	1,237	1,375	1,848
1963	Wet	2,256	2,665	4,023	5,864	6,364	5,447	3,604	2,845	1,698	1,251	1,399	1,815
1964	Dry	2,250	2,746	3,881	5,619	6,070	4,981	3,552	2,802	1,668	1,198	1,307	1,773
1965	Wet	2,298	2,613	4,926	7,343	8,139	4,826	4,077	3,146	1,954	1,581	1,915	2,501
1966	Below Normal	2,284	2,562	4,011	5,843	6,339	5,431	3,602	2,841	1,696	1,245	1,390	1,870
1967	Wet	3,060	3,783	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,027	2,581	3,636	5,217	5,586	4,887	3,422	2,728	1,610	1,127	1,124	1,543
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,870	4,531	6,698	7,365	6,179	3,868	3,013	1,840	1,434	1,689	2,230
1971	Wet	2,013	2,325	3,610	5,174	5,534	4,851	3,412	2,721	1,604	1,118	1,167	1,534
1972	Below Normal	2,202	2,408	3,748	5,398	5,804	5,054	3,489	2,762	1,637	1,156	1,233	1,680
1973	Above Normal	2,353	2,867	4,310	6,337	6,932	5,861	3,751	2,938	1,776	1,352	1,563	2,078
1974	Wet	2,874	3,633	5,161	7,892	8,800	5,738	4,234	3,245	2,030	1,686	2,098	2,732
1975	Wet	2,501	3,125	4,519	6,678	7,341	5,196	3,861	3,009	1,836	1,430	1,682	2,145
1976	Critical	1,753	2,052	2,893	3,984	4,106	3,821	3,064	2,492	1,420	865	752	1,086
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,567	3,790	5,250	7,619	8,978	7,351	4,276	3,272	2,050	1,714	2,148	2,794
1979	Below Normal	2,235	2,840	4,280	6,288	6,873	5,818	3,735	2,928	1,767	1,341	1,479	1,916
1980	Above Normal	2,957	3,726	5,050	7,647	9,011	7,375	4,284	3,277	2,054	1,719	2,157	2,806
1981	Dry	2,178	2,382	3,751	5,411	5,819	5,055	3,476	2,763	1,636	1,164	1,247	1,689
1982	Wet	3,119	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	3,010	4,513	6,668	7,329	6,152	3,858	3,006	1,834	1,428	1,678	2,217
1985	Dry	2,271	2,539	4,022	5,861	6,361	5,447	3,608	2,844	1,699	1,249	1,396	1,878
1986	Wet	2,440	3,277	4,627	6,587	7,737	6,451	3,968	3,077	1,895	1,505	1,798	2,360
1987	Dry	1,556	2,347	3,306	4,660	4,917	4,414	3,279	2,629	1,536	1,016	988	1,323
1988	Critical	1,520	1,739	2,457	3,272	3,251	3,193	2,832	2,345	1,294	703	502	787
1989	Dry	1,512	2,284	3,545	5,059	5,397	4,256	3,393	2,701	1,591	1,092	1,120	1,538
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,740	2,652	3,746	3,973	3,557	2,592	2,056	1,222	831	812	1,077
1992	Critical	1,604	2,082	2,918	3,868	4,502	3,942	2,726	1,921	1,291	923	962	1,301
1993	Above Normal	2,275	2,990	4,002	5,920	6,937	5,830	3,752	2,939	1,776	1,353	1,564	2,080
1994	Critical	2,156	2,663	3,731	5,299	6,037	4,379	3,121	2,391	1,488	1,190	1,417	1,868
1995	Wet	2,907	3,802	5,277	7,664	9,032	7,390	4,289	3,280	2,056	1,722	2,163	2,716
1996	Wet	2,583	3,236	4,691	6,959	7,678	5,555	3,963	3,067	1,886	1,494	1,715	2,267
1997	Wet	2,855	3,337	4,744	7,137	8,398	5,007	4,139	3,185	1,984	1,622	1,987	2,591
1998	Wet	2,996	3,931	5,510	8,309	9,302	7,596	4,370	3,322	2,090	1,759	2,226	2,903
1999	Wet	2,204	2,783	4,197	6,152	6,710	5,698	3,691	2,900	1,743	1,310	1,498	1,931
2000	Above Normal	2,257	2,778	4,183	6,129	6,683	5,679	3,685	2,895	1,739	1,305	1,489	1,991
2001	Dry	2,145	2,398	3,732	5,372	5,773	5,029	3,479	2,757	1,633	1,152	1,227	1,670
2002	Dry	2,109	2,319	3,592	5,137	5,491	4,828	3,415	2,715	1,602	1,106	1,147	1,571
2003	Above Normal	2,264	2,660	4,012	5,843	6,339	5,432	3,604	n/a	n/a	n/a	n/a	n/a

Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 4 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	51	47	77	137	164	-131	21	23	16	32	8	61
1923	Below Normal	38	32	56	101	121	76	11	17	11	26	45	45
1924	Critical	26	34	48	78	94	69	25	16	14	18	27	33
1925	Dry	-11	-65	-117	-192	-232	-171	-62	-35	-28	-34	-60	-79
1926	Dry	74	84	138	228	273	-881	69	45	38	51	81	96
1927	Wet	38	30	55	101	121	75	8	15	8	23	43	44
1928	Above Normal	51	69	70	122	146	98	22	21	14	28	48	54
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	1	1	2	2	2	1	0	0	0	1	1
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	54	55	90	158	189	126	27	27	18	36	63	70
1933	Critical	16	0	-1	2	2	-2	-6	-1	-2	0	3	2
1934	Critical	-11	-14	-20	-32	-39	-28	-10	-7	-6	-7	-11	-14
1935	Below Normal	54	54	73	130	156	102	20	22	15	31	54	56
1936	Below Normal	57	261	95	168	200	134	30	29	20	38	1	1
1937	Below Normal	57	0	25	158	189	126	27	27	18	-1	-2	-3
1938	Wet	56	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-42	-46	-57	-88	-107	-1,049	-41	-17	-15	-11	-20	-33
1940	Above Normal	97	117	180	308	369	256	70	54	39	28	48	75
1941	Wet	37	26	46	86	102	63	7	14	9	23	-26	40
1942	Wet	52	52	85	150	179	74	25	25	17	35	-5	66
1943	Wet	40	384	77	137	163	103	21	23	16	32	56	59
1944	Dry	30	29	45	81	97	62	10	14	9	20	35	37
1945	Below Normal	38	11	28	57	67	36	-6	6	0	13	28	27
1946	Below Normal	30	22	43	82	98	59	2	11	5	19	37	38
1947	Dry	38	43	70	122	146	99	24	21	15	27	48	52
1948	Below Normal	0	-4	-7	-11	-13	-10	-4	-2	-2	-3	-4	-5
1949	Dry	1	4	6	10	12	8	3	2	2	2	4	4
1950	Below Normal	33	33	54	94	113	75	16	16	11	-1	-1	42
1951	Above Normal	56	58	94	165	198	132	29	28	19	38	66	24
1952	Wet	53	391	0	0	0	0	0	0	0	0	0	0
1953	Wet	-32	17	22	45	53	28	-4	7	3	15	26	22
1954	Above Normal	31	34	56	96	115	72	20	17	12	21	37	42
1955	Dry	7	6	10	18	22	14	2	3	2	4	8	-3
1956	Wet	-31	58	94	165	198	132	29	28	19	38	66	73
1957	Above Normal	53	55	89	156	187	125	28	27	18	36	62	69
1958	Wet	56	430	-93	-155	-186	-134	-44	-28	-21	-29	-52	-65
1959	Below Normal	9	344	58	102	122	80	16	17	12	24	42	44
1960	Dry	0	1	2	3	3	-8	1	0	0	0	1	1
1961	Dry	0	-1	-1	-1	-2	-1	0	0	0	0	0	-1
1962	Below Normal	55	57	91	160	192	128	28	27	19	37	64	71
1963	Wet	48	46	76	136	162	106	21	23	15	32	56	58
1964	Dry	3	4	6	10	12	6	3	2	1	2	3	4
1965	Wet	38	32	-21	-26	-33	6	-26	-6	-7	1	2	-8
1966	Below Normal	54	340	44	80	95	60	9	13	8	20	35	36
1967	Wet	50	391	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	50	81	142	169	113	25	24	17	32	-2	-2
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	58	94	165	198	132	29	28	19	38	66	73
1971	Wet	41	43	69	121	144	96	21	21	14	27	48	51
1972	Below Normal	1	1	1	3	3	2	0	0	0	1	1	1
1973	Above Normal	56	58	94	165	197	131	29	28	19	37	66	73
1974	Wet	-24	404	-82	29	33	-69	-10	4	1	12	20	16
1975	Wet	66	71	111	194	232	148	38	34	24	44	76	82
1976	Critical	-1	-2	-2	-4	-5	-3	-1	-1	-1	-1	-2	-2
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-30	-73	-162	-105	-128	-103	-48	-20	-18	-14	-24	-41
1979	Below Normal	51	58	93	164	196	131	29	28	19	37	0	0
1980	Above Normal	-14	-20	65	117	139	90	144	19	13	28	50	53
1981	Dry	55	16	21	42	50	26	-4	6	3	14	24	21
1982	Wet	28	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	58	94	165	198	132	29	28	19	38	66	73
1985	Dry	41	43	69	121	145	96	21	21	14	28	48	53
1986	Wet	-17	0	0	165	198	132	29	28	19	38	66	73
1987	Dry	-8	-5	-8	-12	-15	-11	-4	-2	-2	-2	-4	-5
1988	Critical	-5	-7	-10	-16	-20	-14	-5	-3	-3	-4	-6	-7
1989	Dry	0	7	-2	-3	-4	92	-1	-1	0	-1	-1	-1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	-1	-2	-3	-4	-3	-1	-1	-1	-1	-1	-1
1992	Critical	-1	-3	-3	-1	-6	-4	-1	0	-1	-1	-2	-2
1993	Above Normal	54	49	82	145	173	117	23	24	16	33	59	64
1994	Critical	2	2	4	5	11	1	2	1	1	1	2	3
1995	Wet	35	-90	-169	-117	-141	-113	-51	-22	-19	-16	-28	-44
1996	Wet	68	312	-19	-19	-24	-307	-31	-10	-13	-4	-65	-78
1997	Wet	56	219	64	114	136	-585	15	19	12	28	49	52
1998	Wet	29	-31	-94	-158	-190	-137	-45	-28	-22	-30	-53	-66
1999	Wet	9	72	114	197	236	160	40	35	25	45	77	83
2000	Above Normal	52	53	86	151	181	120	26	26	17	34	61	67
2001	Dry	11	12	19	33	39	26	6	6	4	7	13	14
2002	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2003	Above Normal	37	37	61	107	128	85	18	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2%	1%	1%	2%	2%	-2%	1%	1%	1%	2%	0%	2%
1923	Below Normal	2%	1%	1%	2%	2%	1%	0%	1%	1%	2%	3%	3%
1924	Critical	2%	2%	2%	2%	3%	2%	1%	1%	1%	2%	4%	3%
1925	Dry	-1%	-3%	-3%	-4%	-4%	-3%	-2%	-1%	-2%	-3%	-5%	-5%
1926	Dry	4%	4%	4%	5%	6%	-21%	2%	2%	3%	5%	9%	8%
1927	Wet	2%	1%	1%	2%	2%	1%	0%	1%	0%	2%	3%	2%
1928	Above Normal	2%	3%	2%	2%	2%	2%	1%	1%	1%	2%	4%	3%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	3%	3%	3%	4%	5%	3%	1%	1%	1%	4%	7%	6%
1933	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%	-1%
1935	Below Normal	4%	3%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1936	Below Normal	3%	11%	2%	3%	3%	3%	1%	1%	1%	3%	0%	0%
1937	Below Normal	3%	0%	1%	3%	4%	3%	1%	1%	1%	0%	0%	0%
1938	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	-2%	-2%	-2%	-2%	-23%	-1%	-1%	-1%	-1%	-2%	-2%
1940	Above Normal	5%	5%	5%	6%	6%	5%	2%	2%	2%	2%	4%	4%
1941	Wet	1%	1%	1%	1%	1%	1%	0%	0%	0%	1%	-1%	2%
1942	Wet	2%	1%	2%	2%	2%	1%	1%	1%	1%	2%	0%	2%
1943	Wet	1%	12%	2%	2%	2%	1%	1%	1%	1%	2%	3%	2%
1944	Dry	2%	1%	1%	2%	2%	1%	0%	1%	1%	2%	4%	3%
1945	Below Normal	2%	0%	1%	1%	1%	1%	0%	0%	0%	1%	2%	1%
1946	Below Normal	1%	1%	1%	1%	1%	1%	0%	0%	0%	1%	2%	2%
1947	Dry	2%	2%	2%	2%	2%	2%	1%	1%	1%	2%	4%	3%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	2%	1%	1%	2%	2%	2%	0%	1%	1%	0%	0%	3%
1951	Above Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	1%
1952	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-2%	1%	1%	1%	1%	1%	0%	0%	0%	1%	2%	1%
1954	Above Normal	1%	1%	1%	2%	2%	1%	1%	1%	1%	2%	3%	3%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1956	Wet	-1%	2%	2%	2%	2%	2%	1%	1%	1%	2%	3%	3%
1957	Above Normal	3%	3%	3%	3%	4%	3%	1%	1%	1%	4%	7%	5%
1958	Wet	2%	13%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1959	Below Normal	0%	18%	2%	2%	2%	2%	0%	1%	1%	2%	4%	3%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	3%	2%	2%	3%	3%	2%	1%	1%	1%	3%	5%	4%
1963	Wet	2%	2%	2%	2%	3%	2%	1%	1%	1%	3%	4%	3%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	2%	1%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1966	Below Normal	2%	15%	1%	1%	2%	1%	0%	0%	1%	2%	3%	2%
1967	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	2%	2%	3%	3%	2%	1%	1%	1%	3%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	3%
1971	Wet	2%	2%	2%	2%	3%	2%	1%	1%	1%	3%	4%	3%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	4%
1974	Wet	-1%	12%	-2%	0%	0%	-1%	0%	0%	0%	1%	1%	1%
1975	Wet	3%	2%	3%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	-2%	-3%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1979	Below Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	0%	0%
1980	Above Normal	0%	-1%	1%	2%	2%	1%	3%	1%	1%	2%	2%	2%
1981	Dry	3%	1%	1%	1%	1%	1%	0%	0%	0%	1%	2%	1%
1982	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	3%
1985	Dry	2%	2%	2%	2%	2%	2%	1%	1%	1%	2%	4%	3%
1986	Wet	-1%	0%	0%	3%	3%	2%	1%	1%	1%	3%	4%	3%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%	-1%	-1%
1989	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	2%	4%	3%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	1%	-2%	-3%	-1%	-2%	-2%	-1%	-1%	-1%	-1%	-1%	-2%
1996	Wet	3%	11%	0%	0%	0%	-5%	-1%	0%	-1%	0%	-4%	-3%
1997	Wet	2%	7%	1%	2%	2%	-10%	0%	1%	1%	2%	3%	2%
1998	Wet	1%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1999	Wet	0%	3%	3%	3%	4%	3%	1%	1%	1%	4%	5%	5%
2000	Above Normal	2%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	3%
2001	Dry	1%	0%	1%	1%	1%	1%	0%	0%	0%	1%	1%	1%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	2%	1%	2%	2%	2%	2%	1%	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,527	3,607	4,109	5,577	5,465	5,526	4,052	3,450	3,132	2,833	1,331	1,835
1923	Below Normal	2,349	2,950	3,873	5,504	5,899	5,443	3,738	2,895	2,566	2,160	382	521
1924	Critical	780	1,508	2,039	3,025	3,139	2,590	1,718	1,071	859	704	384	542
1925	Dry	1,233	3,063	4,038	5,754	6,281	5,662	3,859	2,895	2,556	2,106	383	647
1926	Dry	1,178	1,989	3,481	4,950	5,403	4,874	3,333	2,501	2,206	1,815	425	1,125
1927	Wet	2,818	3,790	4,346	5,838	5,712	5,770	4,286	3,679	3,350	3,033	412	752
1928	Above Normal	1,026	3,739	4,231	5,665	5,563	5,587	4,162	3,568	3,248	2,935	373	510
1929	Critical	630	1,250	1,854	2,743	2,846	2,348	1,534	989	791	647	377	658
1930	Dry	858	2,238	2,984	4,322	4,617	4,021	2,714	1,893	1,617	1,338	366	582
1931	Critical	738	1,739	2,349	3,482	3,609	2,980	1,962	1,206	1,013	829	428	753
1932	Dry	1,097	2,311	3,062	4,392	4,770	4,254	2,891	2,124	1,858	1,532	374	607
1933	Critical	948	1,992	2,797	4,114	4,307	3,628	2,419	1,573	1,292	1,068	382	523
1934	Critical	800	1,866	2,519	3,733	3,868	1,572	435	1,744	2,676	2,063	387	723
1935	Below Normal	1,041	3,056	4,055	4,627	5,544	5,908	4,086	3,068	2,723	2,235	416	801
1936	Below Normal	2,702	3,871	4,522	6,066	5,935	5,998	4,461	3,832	3,489	3,158	383	635
1937	Below Normal	1,610	4,043	4,644	6,357	6,228	6,297	4,557	3,848	3,481	3,159	1,183	1,813
1938	Wet	2,539	3,926	4,613	6,384	6,268	6,362	4,509	3,840	3,431	3,114	823	1,370
1939	Dry	2,135	3,102	3,999	4,066	6,436	5,009	4,438	3,430	2,306	3,264	367	553
1940	Above Normal	1,482	3,033	4,090	5,349	6,469	5,834	3,997	3,002	2,655	2,183	924	1,614
1941	Wet	2,341	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,275	1,867
1942	Wet	2,581	3,656	4,199	5,741	5,629	5,697	4,138	3,505	3,178	2,873	574	1,933
1943	Wet	2,716	4,155	4,771	6,511	6,376	6,462	4,696	3,992	3,610	3,271	355	468
1944	Dry	836	2,334	3,096	4,442	4,796	4,250	2,888	2,090	1,818	1,501	539	757
1945	Below Normal	2,701	3,866	4,347	5,838	5,713	5,770	4,286	3,679	3,349	3,033	1,380	1,968
1946	Below Normal	2,714	3,566	4,141	5,583	5,467	5,532	4,092	3,505	3,188	2,881	447	753
1947	Dry	1,128	3,491	4,248	5,872	6,097	5,778	4,113	3,306	2,968	2,567	380	501
1948	Below Normal	642	1,884	3,071	2,628	6,144	5,586	3,974	3,003	2,679	2,190	546	755
1949	Dry	1,096	3,519	4,238	5,836	6,016	5,745	4,112	3,334	3,000	2,611	385	527
1950	Below Normal	866	2,754	3,631	2,278	6,288	5,694	3,994	2,999	2,655	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,244	4,056	5,547	5,452	5,550	3,989	3,405	3,021	2,725	1,405	1,960
1953	Wet	2,563	3,210	3,833	5,292	5,399	5,238	3,749	3,078	2,771	2,431	537	919
1954	Above Normal	1,933	3,060	4,045	5,702	6,198	5,752	3,918	2,940	2,595	2,137	469	809
1955	Dry	1,271	2,558	3,379	4,825	5,271	4,741	3,229	2,416	2,130	1,754	1,384	2,051
1956	Wet	2,957	4,159	4,747	6,426	6,288	6,377	4,687	4,004	3,638	3,290	520	759
1957	Above Normal	1,255	2,527	2,752	1,661	6,187	5,552	3,802	2,841	2,518	2,060	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	440	919
1959	Below Normal	1,904	2,911	3,845	4,092	6,297	5,688	3,935	2,958	2,623	2,152	365	482
1960	Dry	912	3,307	4,291	5,108	6,762	5,303	4,565	3,488	3,113	2,570	374	584
1961	Dry	814	2,737	3,608	4,976	5,638	4,652	2,598	1,201	2,972	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,632	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	377	1,622
1964	Dry	2,589	3,769	4,245	5,705	5,583	5,644	4,190	3,595	3,273	2,961	1,096	1,793
1965	Wet	2,178	3,417	3,918	5,233	5,272	5,266	3,872	3,281	2,977	2,669	1,125	1,785
1966	Below Normal	2,124	2,983	3,913	5,415	6,091	5,557	3,795	2,896	2,560	2,130	373	1,935
1967	Wet	2,718	3,907	4,557	6,218	6,088	6,165	4,485	3,804	3,449	3,122	1,249	1,931
1968	Below Normal	2,482	3,113	3,855	5,403	5,659	5,346	3,745	2,985	2,666	2,291	1,120	1,814
1969	Wet	2,518	3,821	4,418	5,979	5,868	5,970	4,352	3,746	3,351	3,015	1,293	1,916
1970	Wet	2,759	3,655	4,260	5,740	5,619	5,687	4,210	3,607	3,281	2,965	1,311	1,706
1971	Wet	1,740	2,850	3,835	5,481	6,026	5,440	3,680	2,768	2,436	2,009	472	1,512
1972	Below Normal	2,358	3,119	3,998	5,664	6,077	5,587	3,848	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,798	3,745	4,372	5,880	5,754	5,818	4,316	3,702	3,370	3,049	1,336	1,986
1974	Wet	2,729	3,925	4,515	6,170	6,045	6,126	4,450	3,773	3,420	3,094	599	933
1975	Wet	2,766	3,788	4,260	5,723	5,600	5,655	4,200	3,605	3,283	2,973	434	740
1976	Critical	1,117	2,876	3,794	3,853	6,224	4,809	4,177	3,150	2,811	2,293	373	510
1977	Critical	631	774	402	186	208	215	1,288	571	1,957	3,126	370	883
1978	Above Normal	2,300	3,405	3,992	5,393	5,281	5,330	3,929	3,355	3,048	2,761	503	764
1979	Below Normal	2,560	3,699	4,280	5,809	5,691	5,747	4,211	3,583	3,252	2,946	422	1,626
1980	Above Normal	2,477	3,770	4,353	5,883	5,774	5,873	4,286	3,697	3,295	2,976	396	1,064
1981	Dry	1,517	2,792	3,761	3,140	6,327	5,456	4,089	3,080	2,744	2,239	1,252	1,898
1982	Wet	2,755	4,237	4,929	6,769	6,638	6,733	4,821	4,132	3,700	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,704	3,654	4,315	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,503	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,734	4,044	4,605	6,181	6,058	6,153	4,549	3,915	3,519	3,180	355	485
1987	Dry	599	1,935	2,611	3,859	3,995	3,303	2,191	1,371	1,103	907	388	629
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	383	590
1989	Dry	664	3,163	4,234	5,245	6,723	5,805	4,274	3,218	2,855	2,341	374	568
1990	Critical	774	1,677	2,266	3,361	3,485	2,876	1,906	1,189	954	784	380	520
1991	Critical	642	1,318	1,714	2,035	2,936	2,421	1,652	1,016	791	676	379	501
1992	Critical	642	1,282	1,735	2,573	1,005	218	2,045	2,139	740	2,385	374	1,742
1993	Above Normal	2,370	3,319	3,999	4,658	5,852	5,626	4,052	3,305	2,980	2,593	537	730
1994	Critical	1,195	2,607	3,444	4,515	5,458	3,046	3,425	1,254	2,268	3,679	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,022	3,641	3,301	878	1,423
1996	Wet	2,620	3,857	4,356	5,869	5,745	5,809	4,298	3,682	3,350	3,030	1,248	1,834
1997	Wet	2,484	3,793	4,383	6,026	5,909	5,987	4,314	3,637	3,290	2,977	454	1,762
1998	Wet	2,504	3,709	4,709	6,504	6,384	6,471	4,590	3,918	3,498	3,180	1,292	1,738
1999	Wet	2,685	3,681	4,284	5,770	5,648	5,716	4,234	3,629	3,301	2,983	516	844
2000	Above Normal	1,772	3,218	4,142	5,852	6,271	5,759	3,978	3,067	2,725	2,291	359	491
2001	Dry	800	1,977	2,668	3,950	4,091	3,380	2,238	1,399	1,125	925	351	911
2002	Dry	1,399	3,820	4,274	5,716	5,591	5,639	4,209	3,623	2,588	3,683	446	952
2003	Above Normal	1,414	2,615	3,457	2,667	5,863	5,299	3,716	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 4 (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,635	3,845	4,507	6,324	6,200	6,286	4,555	3,851	3,491	3,169	1,323	1,899
1923	Below Normal	2,553	3,106	2,584	2,867	6,548	6,223	4,554	3,688	3,333	2,860	604	652
1924	Critical	838	1,747	2,361	2,866	1,774	270	496	2,571	3,151	3,777	524	721
1925	Dry	1,000	2,593	3,425	4,934	5,383	4,847	3,319	2,493	2,207	1,824	562	707
1926	Dry	1,262	2,097	3,772	5,258	5,904	5,327	3,652	2,315	2,674	2,189	483	992
1927	Wet	2,786	3,712	4,245	5,819	5,693	5,748	4,302	3,705	3,387	3,074	570	752
1928	Above Normal	962	3,547	4,263	4,526	6,347	6,100	4,471	3,674	3,333	2,909	503	576
1929	Critical	711	1,422	1,923	2,856	2,689	780	736	1,378	1,199	2,663	423	632
1930	Dry	822	2,179	2,915	4,036	4,552	3,915	2,643	1,793	1,509	1,248	413	590
1931	Critical	745	1,752	2,367	3,510	3,638	2,598	377	1,251	1,760	2,001	434	753
1932	Dry	1,100	2,311	3,062	4,508	4,884	4,369	3,009	2,239	1,977	1,647	499	611
1933	Critical	994	2,062	2,883	4,245	4,483	3,842	2,589	1,568	1,284	1,585	413	523
1934	Critical	752	1,772	2,393	3,546	3,675	1,190	434	2,343	2,305	1,789	387	736
1935	Below Normal	1,059	3,132	4,158	5,207	6,747	6,099	4,238	3,207	2,854	2,361	513	785
1936	Below Normal	2,688	3,875	4,526	6,187	6,052	6,116	4,581	3,949	3,609	3,274	382	600
1937	Below Normal	1,604	4,002	4,607	6,434	6,303	6,372	4,636	3,923	3,561	3,127	1,164	1,807
1938	Wet	2,516	3,893	4,578	6,337	6,336	6,429	4,592	3,923	3,520	3,202	775	1,226
1939	Dry	1,998	3,164	4,057	4,435	6,541	5,098	4,560	3,554	1,928	3,664	469	555
1940	Above Normal	1,479	3,032	4,088	5,453	6,578	5,943	4,111	3,112	2,769	2,268	925	1,614
1941	Wet	2,340	3,499	4,153	5,842	5,735	5,819	4,212	3,543	3,189	2,824	1,274	1,860
1942	Wet	2,569	3,634	4,168	5,808	5,693	5,760	4,225	3,596	3,276	2,969	508	1,924
1943	Wet	2,704	4,137	4,740	6,579	6,440	6,524	4,787	4,077	3,706	3,363	467	468
1944	Dry	850	2,327	3,087	4,520	4,866	4,315	2,961	2,157	1,887	1,571	622	757
1945	Below Normal	2,660	3,870	4,352	5,960	5,831	5,889	4,408	3,796	3,470	3,149	1,493	1,968
1946	Below Normal	2,726	3,582	4,159	5,725	5,604	5,669	4,227	3,633	3,319	3,007	567	744
1947	Dry	1,119	3,480	4,249	5,954	6,191	5,858	4,184	3,366	3,030	2,623	450	502
1948	Below Normal	642	1,887	3,126	2,628	6,156	5,596	3,979	3,007	2,681	2,192	544	754
1949	Dry	1,093	3,517	4,239	5,841	6,025	5,750	4,114	3,334	2,999	2,609	387	527
1950	Below Normal	867	2,753	3,631	2,344	6,357	5,762	4,061	3,064	2,723	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,893	5,768	5,836	4,348	3,736	3,412	3,091	1,179	1,515
1952	Wet	2,142	3,243	3,882	5,388	5,405	5,486	3,942	3,297	2,975	2,692	1,544	1,959
1953	Wet	2,536	3,209	3,835	5,385	5,444	5,327	3,872	3,221	2,921	2,589	641	923
1954	Above Normal	2,000	3,083	4,077	5,884	6,260	5,834	3,987	3,003	2,657	2,196	521	805
1955	Dry	1,266	2,537	3,352	4,805	5,247	4,721	3,221	2,414	2,131	1,757	1,375	2,053
1956	Wet	2,959	4,162	4,749	6,545	6,403	6,493	4,806	4,119	3,757	3,405	633	759
1957	Above Normal	1,254	2,529	2,761	1,771	6,282	5,652	3,919	2,955	2,635	2,173	543	1,976
1958	Wet	2,829	4,376	5,062	7,037	6,895	6,985	5,062	4,370	3,933	3,579	575	903
1959	Below Normal	1,783	2,836	3,746	3,633	6,306	5,707	3,997	3,024	2,697	2,221	446	482
1960	Dry	923	3,319	4,292	5,208	6,720	5,384	4,510	3,459	3,084	2,553	374	584
1961	Dry	815	2,743	3,617	4,988	5,651	4,688	2,598	1,202	2,973	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,746	6,443	5,843	4,137	3,140	2,801	2,314	1,508	1,962
1963	Wet	2,640	3,535	4,111	5,662	5,543	5,607	4,180	3,591	3,280	2,971	491	1,627
1964	Dry	2,591	3,767	4,243	5,704	5,583	5,643	4,190	3,596	3,273	2,961	1,101	1,792
1965	Wet	2,152	3,416	3,922	5,311	5,407	5,395	3,999	3,399	3,099	2,784	1,239	1,783
1966	Below Normal	2,121	2,982	3,913	5,510	6,181	5,646	3,887	2,984	2,651	2,218	461	1,935
1967	Wet	2,719	3,908	4,546	6,201	6,185	6,261	4,591	3,909	3,490	3,229	1,332	1,911
1968	Below Normal	2,437	3,054	3,859	5,557	5,893	5,496	3,839	3,028	2,707	2,309	1,138	1,791
1969	Wet	2,504	3,803	4,399	5,955	5,958	6,060	4,450	3,848	3,448	3,114	1,293	1,916
1970	Wet	2,753	3,655	4,274	5,876	5,751	5,819	4,341	3,732	3,410	3,089	1,422	1,703
1971	Wet	1,730	2,843	3,825	5,515	6,102	5,517	3,764	2,850	2,521	2,091	559	1,516
1972	Below Normal	2,359	3,119	3,997	5,664	6,076	5,587	3,849	2,971	2,637	2,216	400	2,004
1973	Above Normal	2,799	3,745	4,373	5,997	5,868	5,932	4,433	3,816	3,487	3,162	1,449	1,982
1974	Wet	2,724	3,874	4,431	6,156	6,031	6,103	4,486	3,825	3,485	3,159	703	934
1975	Wet	2,784	3,826	4,303	5,897	5,768	5,824	4,359	3,754	3,433	3,116	551	739
1976	Critical	1,111	2,860	3,773	3,826	6,190	4,806	4,148	3,127	2,790	2,276	373	510
1977	Critical	631	849	402	186	208	216	1,288	575	1,943	3,131	370	884
1978	Above Normal	2,234	3,332	4,001	5,597	5,628	5,523	4,029	3,366	3,055	2,724	594	761
1979	Below Normal	2,583	3,732	4,269	5,891	5,769	5,825	4,319	3,698	3,373	3,063	405	1,625
1980	Above Normal	2,444	3,564	4,190	5,837	5,726	5,811	4,256	3,605	3,255	2,947	467	1,091
1981	Dry	1,713	2,861	3,858	3,786	6,499	5,513	4,251	3,225	2,885	2,373	1,352	1,896
1982	Wet	2,751	4,238	4,930	6,887	6,752	6,847	4,939	4,246	3,701	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,507	3,963	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,702	3,654	4,316	5,928	5,801	5,870	4,382	3,771	3,446	3,121	1,304	975
1985	Dry	2,496	3,504	4,063	5,551	5,432	5,488	4,095	3,520	3,214	2,913	448	520
1986	Wet	2,711	4,046	4,607	6,301	6,174	6,269	4,668	4,031	3,639	3,295	468	486
1987	Dry	599	1,865	2,517	3,723	3,855	3,187	2,116	1,325	1,066	876	391	628
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	382	589
1989	Dry	662	3,160	4,229	5,225	6,719	5,712	4,302	3,240	2,876	2,357	374	568
1990	Critical	774	1,678	2,267	3,361	3,485	2,877	1,906	1,190	955	784	380	520
1991	Critical	642	1,318	1,685	2,035	2,943	2,427	1,657	1,019	763	706	379	501
1992	Critical	642	1,282	1,735	2,573	967	218	2,044	2,135	737	2,430	374	1,740
1993	Above Normal	2,362	3,317	4,001	4,745	5,980	5,749	4,175	3,420	3,099	2,707	650	731
1994	Critical	1,196	2,608	3,444	4,521	5,459	3,047	3,424	1,253	2,267	3,679	381	1,532
1995	Wet	2,043	4,204	4,806	6,657	6,517	6,598	4,851	4,134	3,757	3,414	992	1,589
1996	Wet	2,570	3,760	4,242	5,825	5,701	5,764	4,307	3,705	3,386	3,069	1,253	1,841
1997	Wet	2,495	3,799	4,389	6,149	6,027	6,105	4,437	3,756	3,413	3,095	584	1,760
1998	Wet	2,502	3,706	4,390	6,066	5,949	6,139	4,433	3,731	3,381	3,045	1,429	1,800
1999	Wet	2,725	3,667	4,295	5,904	5,778	5,847	4,361	3,751	3,426	3,104	629	851
2000	Above Normal	1,739	3,197	4,142	5,977	6,420	5,879	4,083	3,152	2,812	2,369	467	491
2001	Dry	811	1,993	2,689	4,002	4,144	3,427	2,276	1,430	1,154	952	372	909
2002	Dry	1,397	3,808	4,261	5,700	5,575	5,622	4,198	3,613	2,659	3,597	449	954
2003	Above Normal	1,414	2,615	3,456	2,745	5,939	5,375	3,794	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	108	238	398	747	735	760	504	402	359	336	-8	63
1923	Below Normal	204	156	-1,289	-2,637	648	780	816	793	767	699	223	130
1924	Critical	58	239	322	-159	-1,365	-2,320	-1,222	1,500	2,293	3,072	140	179
1925	Dry	-233	-470	-612	-819	-898	-815	-539	-402	-350	-282	179	60
1926	Dry	84	108	291	308	501	452	319	-186	469	374	58	-134
1927	Wet	-32	-78	-101	-18	-19	-22	17	26	37	41	157	0
1928	Above Normal	-64	-192	32	-1,139	784	513	308	106	85	-26	130	66
1929	Critical	81	172	69	113	-156	-1,568	-797	389	407	2,016	46	-26
1930	Dry	-35	-59	-69	-286	-65	-106	-71	-100	-108	-90	46	8
1931	Critical	7	13	17	28	29	-382	-1,586	45	746	1,172	6	0
1932	Dry	4	0	0	116	114	115	118	115	119	115	125	4
1933	Critical	46	70	86	131	176	215	169	-5	-8	517	32	0
1934	Critical	-48	-94	-126	-187	-193	-382	0	599	-371	-274	0	13
1935	Below Normal	18	77	103	579	204	191	151	140	131	126	97	-15
1936	Below Normal	-14	4	4	121	117	117	121	117	120	116	-1	-36
1937	Below Normal	-5	-41	-37	77	75	75	79	75	81	-33	-19	-6
1938	Wet	-22	-33	-35	-47	68	68	82	83	89	88	-47	-144
1939	Dry	-137	62	57	369	105	88	122	124	-378	399	102	2
1940	Above Normal	-3	-2	-3	104	109	109	110	114	114	85	1	0
1941	Wet	-2	0	0	117	113	113	117	113	117	52	-1	-7
1942	Wet	-12	-23	-31	67	64	63	87	91	98	96	-66	-9
1943	Wet	-12	-19	-31	68	64	62	92	86	96	92	113	0
1944	Dry	14	-8	-9	77	69	65	72	67	70	70	82	1
1945	Below Normal	-41	5	5	122	118	118	121	117	121	116	113	0
1946	Below Normal	12	16	18	141	137	137	135	129	131	126	120	-8
1947	Dry	-9	-11	1	82	94	80	72	60	62	56	71	0
1948	Below Normal	0	2	55	0	12	10	5	4	2	2	-2	-1
1949	Dry	-3	-2	1	5	9	5	2	0	-1	-2	2	0
1950	Below Normal	1	-1	-1	66	70	68	67	66	69	-1	0	0
1951	Above Normal	0	0	0	117	113	113	117	113	117	113	113	0
1952	Wet	-1	-1	-173	-159	-47	-65	-47	-108	-46	-33	139	-2
1953	Wet	-26	-1	2	93	45	89	122	143	150	157	104	5
1954	Above Normal	66	23	32	182	62	82	69	63	62	59	52	-4
1955	Dry	-6	-21	-27	-20	-24	-20	-8	-2	1	3	-9	1
1956	Wet	2	3	2	119	116	116	119	115	119	115	113	0
1957	Above Normal	-1	1	8	110	94	100	117	114	117	113	107	0
1958	Wet	0	0	0	117	113	113	117	113	117	113	135	-16
1959	Below Normal	-121	-75	-99	-458	10	18	62	66	74	69	80	0
1960	Dry	11	12	1	100	-41	82	-55	-29	-29	-17	0	0
1961	Dry	0	6	8	12	13	36	0	0	1	0	0	0
1962	Below Normal	0	0	0	113	109	109	113	109	113	109	109	0
1963	Wet	0	0	0	117	113	113	117	113	117	113	113	5
1964	Dry	2	-2	-2	0	0	0	0	0	0	0	5	-1
1965	Wet	-26	-2	3	78	134	128	127	119	122	115	113	-2
1966	Below Normal	-3	0	0	95	90	89	91	88	91	88	87	1
1967	Wet	1	2	-11	-17	97	95	106	105	42	107	83	-20
1968	Below Normal	-45	-59	4	154	234	150	94	43	40	19	18	-23
1969	Wet	-14	-18	-19	-24	90	90	99	101	97	99	0	0
1970	Wet	-6	1	15	136	132	132	131	126	128	123	111	-3
1971	Wet	-10	-7	-9	34	76	77	84	82	85	82	87	4
1972	Below Normal	1	0	-1	0	-1	0	1	2	2	2	2	0
1973	Above Normal	1	0	1	118	114	114	117	114	117	114	113	-4
1974	Wet	-5	-50	-84	-14	-14	-23	35	52	65	65	103	1
1975	Wet	18	38	43	174	168	169	159	149	150	143	117	-1
1976	Critical	-6	-16	-21	-27	-33	-3	-29	-23	-21	-17	0	0
1977	Critical	0	74	0	0	0	1	0	4	-14	5	0	1
1978	Above Normal	-66	-73	9	205	347	193	100	11	7	-37	91	-4
1979	Below Normal	23	33	-12	83	78	78	108	115	121	117	-17	0
1980	Above Normal	-32	-205	-164	-46	-48	-62	-29	-92	-40	-29	72	27
1981	Dry	196	69	97	646	172	57	162	145	142	134	100	-2
1982	Wet	-4	1	1	118	114	114	118	114	1	1	0	0
1983	Wet	0	0	0	0	0	113	117	0	0	0	0	0
1984	Wet	-1	0	0	117	113	113	117	113	117	113	113	0
1985	Dry	0	0	0	86	83	83	86	83	86	83	83	0
1986	Wet	-23	2	3	119	115	116	119	117	120	114	113	0
1987	Dry	1	-70	-94	-136	-140	-116	-75	-46	-37	-30	3	-1
1988	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1
1989	Dry	-1	-3	-4	-20	-4	-93	28	22	21	16	0	0
1990	Critical	0	0	1	1	1	1	0	0	0	0	0	0
1991	Critical	0	0	-29	0	7	6	6	3	-27	30	0	0
1992	Critical	0	0	0	0	-39	0	-1	-4	-4	46	0	-2
1993	Above Normal	-8	-2	1	87	128	123	123	116	119	113	113	1
1994	Critical	1	0	0	6	1	1	-2	-1	0	1	1	0
1995	Wet	0	0	0	117	113	113	117	113	117	113	114	166
1996	Wet	-50	-97	-113	-43	-44	-45	8	24	36	39	5	8
1997	Wet	11	6	6	122	118	118	123	119	123	118	130	-1
1998	Wet	-2	-3	-319	-438	-435	-332	-157	-188	-117	-135	137	62
1999	Wet	40	-14	12	134	130	130	128	122	125	120	113	6
2000	Above Normal	-33	-21	0	125	149	120	105	85	87	78	107	0
2001	Dry	11	16	21	52	53	47	38	31	29	27	20	-2
2002	Dry	-2	-12	-13	-16	-16	-16	-12	-10	71	-85	2	2
2003	Above Normal	1	0	-1	79	76	76	79	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	4%	7%	10%	13%	13%	14%	12%	12%	11%	12%	-1%	3%
1923	Below Normal	9%	5%	-33%	-48%	11%	14%	22%	27%	30%	32%	58%	-25%
1924	Critical	7%	16%	16%	-5%	-43%	-90%	-71%	140%	267%	436%	36%	33%
1925	Dry	-19%	-15%	-15%	-14%	-14%	-14%	-14%	-14%	-14%	-13%	47%	9%
1926	Dry	7%	5%	8%	6%	9%	9%	10%	-7%	21%	21%	14%	-12%
1927	Wet	-1%	-2%	-2%	0%	0%	0%	0%	1%	1%	1%	38%	0%
1928	Above Normal	-6%	-5%	1%	-20%	14%	9%	7%	3%	3%	-1%	35%	13%
1929	Critical	13%	14%	4%	4%	-5%	-67%	-52%	39%	51%	311%	12%	-4%
1930	Dry	-4%	-3%	-2%	-7%	-1%	-3%	-3%	-5%	-7%	-7%	13%	1%
1931	Critical	1%	1%	1%	1%	1%	-13%	-81%	4%	74%	141%	1%	0%
1932	Dry	0%	0%	0%	3%	2%	3%	4%	5%	6%	7%	34%	1%
1933	Critical	5%	4%	3%	3%	4%	6%	7%	0%	-1%	48%	8%	0%
1934	Critical	-6%	-5%	-5%	-5%	-5%	-24%	0%	34%	-14%	-13%	0%	2%
1935	Below Normal	2%	3%	3%	13%	3%	3%	4%	5%	5%	6%	23%	-2%
1936	Below Normal	-1%	0%	0%	2%	2%	2%	3%	3%	3%	4%	0%	-6%
1937	Below Normal	0%	-1%	-1%	1%	1%	1%	2%	2%	2%	-1%	-2%	0%
1938	Wet	-1%	-1%	-1%	-1%	1%	1%	2%	2%	3%	3%	-6%	-11%
1939	Dry	-6%	2%	1%	9%	2%	2%	3%	4%	-16%	12%	28%	0%
1940	Above Normal	0%	0%	0%	2%	2%	2%	3%	4%	4%	4%	0%	0%
1941	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	2%	0%	0%
1942	Wet	0%	-1%	-1%	1%	1%	1%	2%	3%	3%	3%	-12%	0%
1943	Wet	0%	0%	-1%	1%	1%	1%	2%	2%	3%	3%	32%	0%
1944	Dry	2%	0%	0%	2%	1%	2%	2%	3%	4%	5%	15%	0%
1945	Below Normal	-2%	0%	0%	2%	2%	2%	3%	3%	4%	4%	8%	0%
1946	Below Normal	0%	0%	0%	3%	3%	2%	3%	4%	4%	4%	27%	-1%
1947	Dry	-1%	0%	0%	1%	2%	1%	2%	2%	2%	2%	19%	0%
1948	Below Normal	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1950	Below Normal	0%	0%	0%	3%	1%	1%	2%	2%	3%	0%	0%	0%
1951	Above Normal	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	11%	0%
1952	Wet	0%	0%	-4%	-3%	-1%	-1%	-1%	-3%	-2%	-1%	10%	0%
1953	Wet	-1%	0%	0%	2%	1%	2%	3%	5%	5%	6%	19%	0%
1954	Above Normal	3%	1%	1%	3%	1%	1%	2%	2%	2%	3%	11%	0%
1955	Dry	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1956	Wet	0%	0%	0%	2%	2%	2%	3%	3%	3%	3%	22%	0%
1957	Above Normal	0%	0%	0%	7%	2%	2%	3%	4%	5%	5%	24%	0%
1958	Wet	0%	0%	0%	2%	2%	2%	3%	3%	3%	3%	31%	-2%
1959	Below Normal	-6%	-3%	-3%	-11%	0%	0%	2%	2%	3%	3%	22%	0%
1960	Dry	1%	0%	0%	2%	-1%	2%	-1%	-1%	-1%	-1%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	4%	2%	2%	3%	4%	4%	5%	8%	0%
1963	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	30%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-1%	0%	0%	1%	3%	2%	3%	4%	4%	4%	10%	0%
1966	Below Normal	0%	0%	0%	2%	1%	2%	2%	3%	4%	4%	23%	0%
1967	Wet	0%	0%	0%	0%	2%	2%	2%	3%	1%	3%	7%	-1%
1968	Below Normal	-2%	-2%	0%	3%	4%	3%	3%	1%	2%	1%	2%	-1%
1969	Wet	-1%	0%	0%	0%	2%	2%	2%	3%	3%	3%	0%	0%
1970	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	8%	0%
1971	Wet	-1%	0%	0%	1%	1%	1%	2%	3%	3%	4%	19%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	2%	2%	2%	3%	3%	3%	4%	8%	0%
1974	Wet	0%	-1%	-2%	0%	0%	0%	1%	1%	2%	2%	17%	0%
1975	Wet	1%	1%	1%	3%	3%	3%	4%	4%	5%	5%	27%	0%
1976	Critical	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1977	Critical	0%	10%	0%	0%	0%	0%	0%	1%	-1%	0%	0%	0%
1978	Above Normal	-3%	-2%	0%	4%	7%	4%	3%	0%	0%	-1%	18%	0%
1979	Below Normal	1%	1%	0%	1%	1%	1%	3%	3%	4%	4%	-4%	0%
1980	Above Normal	-1%	-5%	-4%	-1%	-1%	-1%	-1%	-2%	-1%	-1%	18%	3%
1981	Dry	13%	2%	3%	21%	3%	1%	4%	5%	5%	6%	8%	0%
1982	Wet	0%	0%	0%	2%	2%	2%	2%	3%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	9%	0%
1985	Dry	0%	0%	0%	2%	2%	2%	2%	2%	3%	3%	23%	0%
1986	Wet	-1%	0%	0%	2%	2%	2%	3%	3%	3%	4%	32%	0%
1987	Dry	0%	-4%	-4%	-4%	-4%	-4%	-3%	-3%	-3%	-3%	1%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	-3%	4%	0%	0%
1992	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	2%	0%	0%
1993	Above Normal	0%	0%	0%	2%	2%	2%	3%	4%	4%	4%	21%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	2%	2%	2%	2%	3%	3%	3%	13%	12%
1996	Wet	-2%	-3%	-3%	-1%	-1%	-1%	0%	1%	1%	1%	0%	0%
1997	Wet	0%	0%	0%	2%	2%	2%	3%	3%	4%	4%	29%	0%
1998	Wet	0%	0%	-7%	-7%	-7%	-5%	-3%	-5%	-3%	-4%	11%	4%
1999	Wet	1%	0%	0%	2%	2%	2%	3%	3%	4%	4%	22%	1%
2000	Above Normal	-2%	-1%	0%	2%	2%	2%	3%	3%	3%	3%	30%	0%
2001	Dry	1%	1%	1%	1%	1%	1%	2%	2%	3%	3%	6%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-2%	1%	0%
2003	Above Normal	0%	0%	0%	3%	1%	1%	2%	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	756	4,709	6,178	7,947	7,996	6,058	1,386	1,534	790	388	112	110
1924	Critical	452	5,425	4,848	6,248	5,968	4,500	1,404	743	540	133	144	92
1925	Dry	66	4,162	4,471	7,683	7,900	5,943	1,788	1,721	678	330	107	108
1926	Dry	345	3,086	5,265	7,876	7,364	5,440	1,831	1,165	325	345	105	106
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,708	5,916	8,011	7,762	5,874	1,988	1,615	467	245	212	112
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92
1933	Critical	346	5,520	4,400	6,176	5,903	4,444	1,362	945	685	131	159	90
1934	Critical	149	5,043	4,621	6,198	6,159	4,664	1,482	983	361	261	91	93
1935	Below Normal	60	2,732	5,467	8,037	7,528	5,689	1,862	1,253	681	300	106	104
1936	Below Normal	110	4,799	5,363	7,044	7,605	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,812	7,305	7,495	5,670	1,913	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	910	7,190	5,206	7,681	7,284	5,539	1,551	1,381	855	352	106	104
1940	Above Normal	78	4,858	5,276	8,653	8,406	6,402	2,220	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,495	6,142	8,380	8,196	6,255	2,209	1,653	739	316	116	114
1944	Dry	190	5,302	4,961	7,415	7,344	5,542	1,839	1,329	444	274	127	108
1945	Below Normal	69	5,511	5,122	7,720	8,039	6,099	2,130	997	548	169	203	112
1946	Below Normal	174	6,934	6,123	8,356	7,939	6,126	2,083	1,623	605	197	235	118
1947	Dry	96	5,561	5,688	7,129	7,708	5,807	2,005	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,686	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,316	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,823	7,748	7,436	5,613	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	325	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,348	5,790	7,808	7,461	5,637	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,981	6,353	8,147	7,891	5,871	1,024	1,744	879	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,339	5,681	7,757	7,796	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,194	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,052	5,894	7,305	7,409	5,544	1,722	1,174	406	209	106	108
1965	Wet	388	4,376	6,252	8,459	8,181	5,326	2,191	1,821	392	301	120	118
1966	Below Normal	243	6,871	6,364	8,234	7,950	6,037	2,085	1,736	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,087	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,090	5,962	5,804	7,352	7,072	4,731	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	5,001	5,962	8,252	7,868	5,888	1,953	1,073	507	167	110	108
1980	Above Normal	78	5,153	5,829	8,152	8,201	6,329	2,192	1,631	823	233	116	118
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	73	5,581	5,773	7,577	7,194	5,424	1,767	1,415	528	163	106	101
1988	Critical	560	5,188	4,652	6,846	6,909	5,184	1,645	1,528	514	248	205	174
1989	Dry	76	5,217	6,039	7,568	7,621	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,587	6,494	6,450	4,868	1,521	1,093	539	219	89	91
1992	Critical	65	4,040	5,026	6,253	6,597	5,013	1,533	791	499	136	93	96
1993	Above Normal	69	5,237	4,548	7,578	8,396	6,310	2,278	1,408	557	341	116	118
1994	Critical	280	5,617	4,280	7,201	6,968	5,312	1,766	1,219	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,723	1,962	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,859	7,562	7,513	5,677	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 4 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	748	4,692	6,147	7,913	7,954	6,024	1,376	1,528	789	387	111	109
1924	Critical	455	5,441	4,864	6,267	5,988	4,517	1,413	744	541	133	144	93
1925	Dry	66	4,165	4,480	7,699	7,919	5,958	1,794	1,725	678	330	107	108
1926	Dry	350	3,095	5,304	7,934	7,426	5,489	1,857	1,170	327	346	106	108
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,718	5,939	8,041	7,794	5,901	2,002	1,621	468	246	213	113
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,158	7,773	7,377	5,553	1,596	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,771	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,105	4,265	6,323	6,252	4,713	1,486	1,235	566	243	93	92
1933	Critical	346	5,511	4,392	6,165	5,891	4,435	1,357	943	684	130	159	89
1934	Critical	148	5,038	4,615	6,190	6,149	4,657	1,478	239	361	261	91	93
1935	Below Normal	60	2,732	5,462	8,030	7,520	5,682	1,859	1,253	681	300	106	104
1936	Below Normal	110	4,800	5,363	7,045	7,606	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,810	7,304	7,493	5,669	1,912	1,241	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	898	7,144	5,170	7,632	7,231	5,496	1,534	1,376	854	352	106	104
1940	Above Normal	78	4,861	5,279	8,659	8,413	6,407	2,222	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,493	6,137	8,373	8,188	6,249	2,206	1,652	739	316	116	114
1944	Dry	190	5,297	4,954	7,406	7,333	5,533	1,834	1,328	444	274	127	108
1945	Below Normal	69	5,497	5,103	7,688	8,004	6,070	2,115	996	548	168	202	111
1946	Below Normal	174	6,925	6,113	8,344	7,927	6,115	2,078	1,621	605	197	235	118
1947	Dry	96	5,563	5,692	7,133	7,713	5,811	2,007	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,685	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,317	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,822	7,747	7,435	5,612	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	323	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,347	5,789	7,806	7,460	5,636	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,984	6,356	8,151	7,895	5,874	1,024	1,745	880	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,338	5,681	7,757	7,795	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,193	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,053	5,896	7,307	7,411	5,545	1,723	1,174	406	209	106	108
1965	Wet	387	4,371	6,237	8,439	8,160	5,311	2,182	1,817	392	301	120	118
1966	Below Normal	244	6,880	6,375	8,247	7,964	6,048	2,091	1,738	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,086	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,328	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,089	5,962	5,803	7,351	7,071	4,730	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	4,992	5,944	8,229	7,843	5,868	1,943	1,072	506	166	110	107
1980	Above Normal	78	5,149	5,820	8,140	8,188	6,318	2,187	1,629	823	233	116	118
1981	Dry	69	4,758	5,667	8,608	8,260	6,301	1,947	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	72	5,579	5,770	7,573	7,190	5,420	1,765	1,414	528	163	106	101
1988	Critical	559	5,185	4,649	6,842	6,904	5,181	1,643	1,527	514	248	205	174
1989	Dry	76	5,217	6,038	7,567	7,620	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,586	6,493	6,449	4,867	1,521	1,093	539	219	89	91
1992	Critical	65	4,039	5,025	6,251	6,595	4,998	1,532	791	499	136	93	96
1993	Above Normal	69	5,235	4,545	7,575	8,391	6,306	2,276	1,408	557	341	116	118
1994	Critical	280	5,616	4,280	7,200	6,968	5,311	1,766	1,218	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,722	1,961	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,860	7,563	7,514	5,678	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	-8	-18	-30	-35	-42	-34	-10	-6	-2	-1	-1	-1
1924	Critical	4	16	16	19	20	17	9	1	1	1	1	1
1925	Dry	0	3	9	15	19	15	6	3	1	1	0	0
1926	Dry	6	9	38	58	62	49	27	5	1	1	1	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	11	23	30	33	27	14	6	1	1	1	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	1	1	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
1933	Critical	0	-9	-8	-11	-11	-9	-5	-1	-1	0	0	0
1934	Critical	0	-5	-7	-8	-9	-7	-4	-744	0	0	0	0
1935	Below Normal	0	0	-5	-8	-9	-7	-3	-1	0	0	0	0
1936	Below Normal	0	0	0	1	1	1	0	0	0	0	0	0
1937	Below Normal	0	0	-1	-2	-2	0	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-12	-46	-36	-49	-53	-43	-17	-6	-1	0	0	0
1940	Above Normal	0	2	4	6	6	5	2	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	-2	-5	-7	-8	-6	-3	-1	0	0	0	0
1944	Dry	0	-5	-7	-10	-11	-9	-5	-1	0	0	0	0
1945	Below Normal	0	-14	-20	-33	-36	-29	-15	-1	0	-1	-1	-1
1946	Below Normal	0	-8	-10	-12	-13	-10	-5	-2	0	0	0	0
1947	Dry	0	3	4	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	-1	-1	-1	-1	-1	0	0	-1	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1954	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-1	-1	-2	-2	-1	-1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	3	3	4	4	3	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	2	2	2	2	2	1	0	0	0	0	0
1965	Wet	-1	-5	-16	-20	-22	-14	-9	-4	0	0	0	0
1966	Below Normal	0	9	11	13	14	11	6	2	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	0	0	0	-1	-1	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-1	0	0	0	0	0	0	0	0	0	0	0
1979	Below Normal	0	-9	-18	-24	-25	-20	-10	-1	-1	-1	-1	-1
1980	Above Normal	0	-5	-8	-11	-13	-11	-5	-2	0	0	0	0
1981	Dry	0	1	3	5	5	4	2	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	-2	-3	-4	-4	-3	-2	0	0	0	0	0
1988	Critical	-1	-2	-3	-4	-5	-4	-2	-1	0	0	0	0
1989	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1992	Critical	0	-1	-1	-2	-2	-16	-1	0	0	0	0	0
1993	Above Normal	0	-2	-2	-4	-5	-4	-2	0	0	0	0	0
1994	Critical	0	0	0	-1	-1	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%
1924	Critical	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	2%	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	-76%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1940	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	-1%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	5
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,450	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,656	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,406	3,336	2,532	968	267	74	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	116	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	6
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	12	74
1939	Dry	629	3,398	2,274	3,179	3,001	2,410	1,653	444	83	14	4	5
1940	Above Normal	24	2,165	2,597	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	39	974	2,483	3,743	3,538	2,844	2,317	697	19	18	11	16
1943	Wet	35	1,419	2,967	3,444	3,295	2,664	2,200	657	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	19	2,280	2,965	3,206	3,348	2,487	2,223	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,022	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,014	3,146	3,211	2,600	2,138	733	23	22	16	16
1953	Wet	104	1,995	2,723	3,311	3,343	2,507	2,219	416	15	15	6	10
1954	Above Normal	28	1,323	2,982	3,460	3,322	2,523	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,313	3,091	2,475	1,000	726	90	13	4	4
1960	Dry	14	1,813	2,677	3,447	3,208	2,589	2,133	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,779	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,366	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,552	2,837	2,302	707	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,178	3,232	2,404	2,131	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,935	3,252	3,485	2,830	2,725	2,260	147	20	20	11	11
1975	Wet	34	2,086	3,152	3,436	3,189	2,517	2,126	62	23	17	7	35
1976	Critical	876	3,048	2,952	3,363	3,332	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,144	3,648	3,428	2,757	1,473	809	16	16	6	7
1979	Below Normal	33	1,845	3,131	3,564	3,319	2,546	2,090	86	18	17	10	15
1980	Above Normal	41	2,418	2,870	3,181	3,108	2,509	2,022	596	74	22	8	12
1981	Dry	25	1,937	3,030	3,584	3,340	2,678	1,883	28	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	39	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,993	3,225	2,995	2,396	1,984	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,672	1,928	3,751	3,540	2,826	2,307	103	18	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,175	3,515	3,492	2,790	2,046	290	23	22	15	14
1999	Wet	39	2,465	2,972	3,068	3,055	2,431	2,023	570	18	17	6	10
2000	Above Normal	28	1,835	2,727	3,529	3,473	2,786	2,139	32	14	14	4	4
2001	Dry	39	2,223	3,136	3,305	3,144	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,999	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 4 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	40	2,753	2,709	3,332	3,136	2,527	2,087	128	21	20	15	16
1923	Below Normal	281	2,035	3,039	3,321	3,311	2,657	1,508	553	38	14	5	6
1924	Critical	25	2,028	1,721	1,998	1,965	1,487	586	10	6	5	6	6
1925	Dry	16	1,697	2,619	3,329	3,436	2,710	1,959	689	11	11	6	6
1926	Dry	183	1,125	2,919	3,699	3,454	2,742	2,282	170	12	12	7	11
1927	Wet	34	2,252	2,821	3,254	3,304	2,654	2,180	109	17	16	7	8
1928	Above Normal	16	2,048	3,032	3,248	3,079	2,474	2,045	608	12	12	5	5
1929	Critical	24	2,975	3,053	2,786	3,437	2,600	1,009	449	83	6	5	6
1930	Dry	13	1,896	2,814	3,423	3,182	2,546	1,893	647	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	582	231	6	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	8	4	5
1933	Critical	46	3,390	2,492	3,407	3,338	2,534	969	268	74	7	4	5
1934	Critical	53	1,766	1,582	2,037	2,100	1,594	591	116	6	5	4	7
1935	Below Normal	17	1,137	2,987	3,640	3,398	2,725	2,163	435	14	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	5
1937	Below Normal	26	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	14	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	11	74
1939	Dry	628	3,398	2,274	3,179	3,001	2,410	1,653	444	83	11	4	5
1940	Above Normal	24	2,165	2,596	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	38	974	2,483	3,743	3,536	2,842	2,316	696	19	18	11	16
1943	Wet	34	1,419	2,967	3,443	3,293	2,662	2,199	656	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	18	2,280	2,965	3,206	3,348	2,487	2,222	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,021	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,011	3,140	3,199	2,586	2,129	727	20	20	17	16
1953	Wet	104	1,995	2,723	3,312	3,344	2,508	2,219	417	16	15	6	10
1954	Above Normal	29	1,323	2,982	3,460	3,323	2,524	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,312	3,089	2,473	999	726	90	12	4	4
1960	Dry	15	1,813	2,677	3,447	3,208	2,589	2,134	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,778	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,365	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,551	2,837	2,302	706	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,177	3,230	2,403	2,130	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,997	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,934	3,251	3,483	2,827	2,722	2,258	146	20	19	11	11
1975	Wet	34	2,087	3,153	3,436	3,190	2,518	2,126	62	23	17	7	34
1976	Critical	876	3,048	2,952	3,363	3,331	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,143	3,647	3,425	2,753	1,471	807	16	15	5	7
1979	Below Normal	32	1,845	3,131	3,564	3,317	2,544	2,089	85	18	17	9	15
1980	Above Normal	41	2,414	2,867	3,176	3,098	2,498	2,014	591	73	20	8	12
1981	Dry	27	1,938	3,031	3,585	3,342	2,680	1,885	29	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	37	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,992	3,224	2,993	2,395	1,983	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,671	1,927	3,751	3,539	2,825	2,306	102	17	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,173	3,512	3,487	2,785	2,043	285	20	20	15	15
1999	Wet	39	2,465	2,972	3,068	3,056	2,431	2,024	570	18	17	6	10
2000	Above Normal	27	1,834	2,726	3,529	3,473	2,785	2,138	31	14	14	4	4
2001	Dry	39	2,223	3,137	3,305	3,145	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,998	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
 Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	6	4	4	8	17	18	13	4	3	3	0	1
1923	Below Normal	1	1	1	1	3	3	2	1	0	1	1	1
1924	Critical	0	1	1	2	5	5	4	1	1	1	2	2
1925	Dry	-4	-2	-2	-4	-9	-10	-7	-4	-2	-2	2	1
1926	Dry	1	1	1	2	5	5	4	1	1	1	0	-1
1927	Wet	-1	0	0	-1	-2	-2	-2	0	0	0	0	0
1928	Above Normal	-1	-1	-1	-2	-4	-4	-3	-2	-1	-1	1	1
1929	Critical	1	1	0	1	2	2	1	1	0	0	1	0
1930	Dry	-1	0	0	-1	-2	-2	-1	-1	0	0	1	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	-2	0	0
1933	Critical	0	0	1	1	2	2	2	1	0	0	0	0
1934	Critical	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1935	Below Normal	0	0	0	1	2	2	1	1	0	0	0	0
1936	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Normal	0	0	0	0	0	0	0	0	0	0	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	-3	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	-1	-1	-1	-1	0	0	0	0	0
1943	Wet	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-3	-6	-12	-13	-10	-6	-3	-2	0	0
1953	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1954	Above Normal	0	0	0	0	1	1	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1975	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	0	0	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1979	Below Normal	0	0	0	-1	-1	-2	-1	0	0	0	0	0
1980	Above Normal	0	-4	-2	-5	-10	-11	-8	-5	-2	-2	0	0
1981	Dry	2	0	0	1	2	2	1	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-2	-3	-5	-5	-3	-6	-3	-2	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	-1	-1	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	16%	0%	0%	0%	1%	1%	1%	3%	19%	19%	2%	6%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	4%	32%	28%
1924	Critical	2%	0%	0%	0%	0%	0%	1%	17%	17%	17%	41%	37%
1925	Dry	-19%	0%	0%	0%	0%	0%	0%	-1%	-15%	-15%	39%	11%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	1%	9%	9%	-4%	-6%
1927	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-5%	-5%
1928	Above Normal	-7%	0%	0%	0%	0%	0%	0%	0%	-5%	-5%	15%	14%
1929	Critical	2%	0%	0%	0%	0%	0%	0%	0%	0%	6%	14%	-4%
1930	Dry	-4%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	14%	2%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	1%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	4%	1%
1933	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%
1934	Critical	-1%	0%	0%	0%	0%	0%	0%	-1%	-5%	-5%	0%	2%
1935	Below Normal	2%	0%	0%	0%	0%	0%	0%	0%	3%	3%	-3%	-2%
1936	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%
1943	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	-1%	-11%	-11%	2%	-1%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%
1954	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1968	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	2%	-1%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-5%	-3%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-5%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-9%	5%	1%
1981	Dry	8%	0%	0%	0%	0%	0%	0%	3%	3%	3%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%
1996	Wet	-1%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	-11%	-11%	2%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2000	Above Normal	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Existing Condition (taf)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,066	2,971	3,107	3,306	3,437	3,563	4,010	3,739	3,363	2,917	2,586	2,547
1924	Critical	2,464	2,357	2,307	2,509	2,719	2,704	2,466	2,155	1,733	1,294	987	834
1925	Dry	813	975	1,089	1,422	2,605	2,984	3,692	3,832	3,592	3,130	2,768	2,690
1926	Dry	2,582	2,561	2,593	2,632	3,380	3,581	3,907	3,780	3,297	2,684	2,304	2,199
1927	Wet	2,127	2,583	3,023	3,473	3,462	4,090	4,552	4,552	4,233	3,759	3,378	2,861
1928	Above Normal	2,778	2,869	2,979	3,204	3,707	3,965	4,552	4,505	4,003	3,311	2,939	2,591
1929	Critical	2,471	2,372	2,434	2,698	2,886	3,060	3,096	3,001	2,712	2,278	1,819	1,733
1930	Dry	1,616	1,545	2,088	2,285	2,686	3,181	3,284	3,230	2,862	2,417	2,147	2,091
1931	Critical	2,001	1,966	1,951	2,033	2,121	2,294	1,981	1,701	1,347	877	638	602
1932	Dry	581	584	762	902	1,038	1,518	1,628	1,812	1,608	1,370	1,127	1,027
1933	Critical	936	907	896	905	942	1,540	1,683	1,760	1,593	1,327	860	658
1934	Critical	632	616	735	1,025	1,345	1,604	1,576	1,443	1,122	650	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,710	1,795
1936	Below Normal	1,706	1,646	1,640	2,297	3,188	3,490	3,702	3,631	3,381	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,656	3,461	3,060	2,718	2,635
1938	Wet	2,588	3,118	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,222
1939	Dry	3,203	3,111	3,225	3,347	3,409	3,826	3,653	3,470	3,128	2,576	2,176	2,137
1940	Above Normal	2,093	2,004	2,143	3,038	3,252	3,435	4,162	4,165	3,773	3,173	2,792	2,702
1941	Wet	2,614	2,589	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,129	2,881	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,108	3,541	3,848	4,118	4,552	4,552	4,273	3,729	3,379	2,870
1944	Dry	2,801	2,537	2,542	2,581	2,895	3,277	3,272	3,260	3,085	2,683	2,422	2,412
1945	Below Normal	2,344	2,483	2,779	2,980	3,680	3,922	4,053	4,161	3,915	3,430	3,074	2,934
1946	Below Normal	2,876	3,138	3,265	3,622	3,805	4,124	4,282	4,251	3,880	3,396	3,063	2,992
1947	Dry	2,879	2,926	3,006	3,005	3,271	3,796	3,880	3,578	3,380	2,813	2,465	2,354
1948	Below Normal	2,400	2,406	2,399	2,965	3,054	3,390	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,390	3,093	3,073
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,222	2,967	3,345	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,058	3,215	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,978	3,249	3,435	3,586	3,754	3,964	4,103	3,817	3,240	2,908	2,878
1956	Wet	2,821	2,911	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,908	2,956	3,648	3,777	4,221	4,229	4,081	3,615	3,073	2,711	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,254	4,333	4,470	4,038	3,427	3,143	3,040
1961	Dry	2,956	3,065	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,814	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,095
1964	Dry	3,089	3,252	3,289	3,669	3,898	4,048	3,841	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,546	4,208	3,722	3,453	2,985
1966	Below Normal	2,903	2,972	3,093	3,577	3,989	4,229	4,552	4,436	3,897	3,268	2,884	2,884
1967	Wet	2,749	3,075	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,343
1968	Below Normal	3,250	3,098	3,189	3,366	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,949	3,603	3,200
1970	Wet	3,240	3,185	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,183
1974	Wet	3,212	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,902	3,021	3,122	3,771	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,022	3,101	3,362	3,417	3,649	3,701	3,581	3,200	2,713	2,419	2,819
1977	Critical	2,670	2,597	2,548	2,524	2,389	2,355	1,955	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,043	3,014	3,093	3,445	3,951	4,214	4,377	3,949	3,505	3,299	3,245
1980	Above Normal	3,250	3,252	3,354	3,528	3,292	3,940	4,229	4,219	3,871	3,434	3,094	3,102
1981	Dry	3,026	2,767	2,890	3,162	3,569	4,172	4,385	4,178	3,523	2,914	2,653	2,584
1982	Wet	2,623	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,816
1987	Dry	2,814	2,687	2,674	2,796	3,137	3,872	3,800	3,529	2,981	2,456	2,189	2,143
1988	Critical	1,980	1,952	2,451	2,857	2,915	3,058	3,052	3,035	2,619	2,068	1,647	1,605
1989	Dry	1,468	1,673	1,759	1,938	2,044	3,425	3,878	3,650	3,309	2,724	2,446	2,488
1990	Critical	2,592	2,599	2,566	2,811	2,908	3,173	2,989	3,161	2,991	2,430	2,054	2,062
1991	Critical	1,978	1,937	1,921	1,820	1,850	2,270	2,432	2,388	2,103	1,755	1,568	1,516
1992	Critical	1,399	1,256	1,253	1,287	1,935	2,379	2,626	2,284	1,684	1,068	581	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,028	3,100	3,235	3,460	3,637	3,420	3,270	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,604	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	3,011	3,368	3,723	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,114	3,005	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,897	2,712	2,293
1998	Wet	2,176	2,100	2,283	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,959	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,194	2,860	2,944	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,948	3,072	3,501	3,995	4,097	3,886	3,323	2,831	2,666	2,647
2002	Dry	2,492	2,667	3,314	3,678	4,022	4,411	4,468	4,296	3,823	3,357	3,101	3,022
2003	Above Normal	2,880	2,826	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,637	3,355	3,200

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Alternative 4 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,110
1923	Below Normal	3,056	2,919	3,054	3,254	3,396	3,522	3,969	3,731	3,388	2,945	2,640	2,631
1924	Critical	2,579	2,503	2,484	2,614	2,824	2,809	2,542	2,230	1,797	1,343	1,020	901
1925	Dry	880	1,041	1,156	1,489	2,671	3,050	3,758	3,898	3,656	3,196	2,834	2,743
1926	Dry	2,634	2,612	2,645	2,684	3,432	3,632	3,958	3,798	3,330	2,716	2,384	2,294
1927	Wet	2,222	2,677	3,117	3,558	3,462	4,090	4,552	4,552	4,233	3,759	3,376	2,860
1928	Above Normal	2,778	2,868	2,978	3,203	3,706	3,965	4,552	4,504	4,001	3,322	2,947	2,596
1929	Critical	2,507	2,406	2,469	2,733	2,921	3,094	3,130	3,035	2,745	2,312	1,828	1,740
1930	Dry	1,624	1,554	2,097	2,294	2,695	3,189	3,292	3,239	2,870	2,424	2,151	2,095
1931	Critical	2,005	1,970	1,955	2,037	2,125	2,299	1,985	1,705	1,351	885	641	605
1932	Dry	583	586	764	904	1,040	1,521	1,631	1,815	1,612	1,373	1,130	1,026
1933	Critical	936	907	896	905	942	1,539	1,681	1,774	1,624	1,373	856	666
1934	Critical	600	584	713	1,003	1,323	1,582	1,554	1,400	1,079	717	552	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,711	2,290	1,903	1,797
1936	Below Normal	1,709	1,649	1,643	2,300	3,190	3,492	3,704	3,633	3,383	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,657	3,461	3,061	2,720	2,637
1938	Wet	2,590	3,120	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,230
1939	Dry	3,214	3,075	3,200	3,322	3,384	3,801	3,630	3,450	3,117	2,565	2,180	2,137
1940	Above Normal	2,077	1,986	2,125	3,020	3,252	3,435	4,162	4,165	3,773	3,172	2,791	2,675
1941	Wet	2,585	2,559	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,130	2,882	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,109	3,541	3,848	4,118	4,552	4,552	4,274	3,732	3,382	2,866
1944	Dry	2,797	2,509	2,515	2,553	2,867	3,257	3,252	3,241	3,067	2,669	2,411	2,402
1945	Below Normal	2,334	2,474	2,769	2,970	3,670	3,912	4,073	4,215	4,000	3,517	3,192	3,079
1946	Below Normal	3,049	3,252	3,265	3,622	3,805	4,124	4,283	4,253	3,882	3,399	3,067	2,996
1947	Dry	2,883	2,930	3,011	3,009	3,275	3,800	3,884	3,582	3,383	2,816	2,467	2,354
1948	Below Normal	2,400	2,405	2,398	2,965	3,053	3,389	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,104	4,098	3,795	3,388	3,091	3,071
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,221	2,894	3,338	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,192
1954	Above Normal	3,200	3,064	3,222	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,977	3,248	3,434	3,585	3,753	3,963	4,102	3,816	3,240	2,909	2,882
1956	Wet	2,824	2,915	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,903	2,952	3,648	3,777	4,221	4,229	4,081	3,615	3,072	2,710	2,844
1960	Dry	2,726	2,683	2,666	2,882	3,588	4,253	4,333	4,470	4,037	3,426	3,143	3,039
1961	Dry	2,956	3,064	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,815	3,100	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,097
1964	Dry	3,090	3,252	3,290	3,670	3,899	4,049	3,842	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,547	4,210	3,725	3,456	2,989
1966	Below Normal	2,906	2,984	3,104	3,588	4,000	4,229	4,552	4,436	3,896	3,267	2,900	2,886
1967	Wet	2,752	3,079	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,336
1968	Below Normal	3,250	3,033	3,125	3,302	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,948	3,602	3,200
1970	Wet	3,243	3,188	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,995	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,132
1974	Wet	3,200	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,908	3,028	3,129	3,778	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,021	3,100	3,360	3,415	3,648	3,699	3,580	3,200	2,709	2,717	2,817
1977	Critical	2,670	2,596	2,548	2,523	2,388	2,354	1,954	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,013	2,983	3,072	3,423	3,929	4,192	4,366	3,939	3,498	3,294	3,220
1980	Above Normal	3,243	3,252	3,354	3,528	3,292	3,940	4,223	4,213	3,866	3,429	3,131	3,055
1981	Dry	2,973	2,815	2,938	3,210	3,618	4,220	4,433	4,225	3,571	2,953	2,681	2,616
1982	Wet	2,655	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,033	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,461	2,406	2,541	3,072	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,820
1987	Dry	2,818	2,667	2,654	2,776	3,116	3,852	3,780	3,510	2,982	2,456	2,186	2,138
1988	Critical	1,971	1,943	2,442	2,848	2,910	3,053	3,045	3,028	2,612	2,064	1,644	1,602
1989	Dry	1,464	1,670	1,756	1,933	2,040	3,420	3,873	3,645	3,305	2,720	2,442	2,484
1990	Critical	2,588	2,596	2,562	2,808	2,905	3,170	2,986	3,157	2,987	2,426	2,050	2,058
1991	Critical	1,974	1,932	1,917	1,816	1,845	2,265	2,427	2,383	2,099	1,754	1,567	1,516
1992	Critical	1,398	1,255	1,251	1,286	1,934	2,378	2,625	2,283	1,682	1,066	579	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,029	3,101	3,236	3,461	3,638	3,421	3,271	2,805	2,219	1,748	1,725
1995	Wet	1,615	1,556	1,603	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	2,944	3,310	3,676	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,121	3,013	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,911	2,727	2,301
1998	Wet	2,172	2,138	2,330	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,980	3,980	4,522	4,552	4,330	3,900	3,641	3,242
2000	Above Normal	3,189	2,858	2,941	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,946	3,070	3,498	3,993	4,095	3,884	3,321	2,828	2,666	2,647
2002	Dry	2,492	2,667	3,315	3,678	4,022	4,411	4,467	4,296	3,823	3,357	3,100	3,022
2003	Above Normal	2,874	2,821	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,638	3,356	3,200

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Existing Condition (cfs)

SAC		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219		
1923	Below Normal	4,756	6,356	3,282	3,048	3,175	3,427	2,992	10,586	10,637	10,737	8,530	3,960		
1924	Critical	4,977	5,343	4,683	689	2,922	4,076	7,613	8,005	9,846	9,844	7,730	5,402		
1925	Dry	3,875	2,869	2,826	0	1,633	2,821	2,539	5,327	8,881	10,566	8,966	4,781		
1926	Dry	5,257	4,148	3,485	3,184	1,710	3,073	2,965	6,172	10,988	12,491	8,638	4,329		
1927	Wet	4,215	2,802	3,514	3,721	24,504	3,396	9,170	8,633	10,800	11,234	9,214	11,809		
1928	Above Normal	4,571	5,897	3,647	3,772	2,128	11,349	3,051	6,809	12,239	14,437	8,915	8,804		
1929	Critical	5,067	5,597	3,134	0	3,115	3,212	6,087	6,541	8,466	9,797	10,080	4,127		
1930	Dry	4,734	4,110	2,457	3,067	2,581	2,869	5,170	5,860	9,519	10,015	7,003	3,762		
1931	Critical	4,346	3,690	3,334	3,023	3,069	3,017	9,117	7,536	8,659	10,060	6,288	3,107		
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	5,272	4,366	7,218	6,602	6,439	4,139		
1933	Critical	4,020	3,466	3,238	3,373	3,251	3,253	5,624	5,513	7,263	7,114	10,081	5,936		
1934	Critical	3,122	3,103	3,287	2,964	2,958	3,095	5,797	6,097	8,366	10,175	3,584	2,828		
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,024	9,504	9,886	8,940	4,423		
1936	Below Normal	4,284	3,942	3,481	2,091	2,661	4,046	4,637	6,433	8,815	11,758	8,535	4,701		
1937	Below Normal	5,177	4,812	3,484	3,251	3,252	2,779	4,602	8,389	9,519	8,054	3,842			
1938	Wet	3,627	2,922	14,555	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	11,002		
1939	Dry	4,542	6,108	3,933	3,434	4,345	3,137	8,541	6,990	8,903	11,789	9,197	3,530		
1940	Above Normal	3,757	4,667	3,321	2,176	25,264	19,297	3,432	6,580	10,854	13,086	9,241	4,637		
1941	Wet	4,926	4,489	6,405	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145		
1942	Wet	5,354	8,604	10,067	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,148		
1943	Wet	5,240	9,514	2,984	7,665	7,464	11,264	5,051	7,691	10,330	12,727	9,152	12,023		
1944	Dry	4,739	8,615	3,899	3,964	2,773	2,093	6,764	5,775	7,591	10,025	7,336	3,116		
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	6,104	9,545	11,213	8,827	5,409	5,008		
1946	Below Normal	5,283	3,574	19,377	6,831	4,260	4,420	7,129	7,820	10,740	11,539	8,799	4,369		
1947	Dry	5,181	4,100	3,632	3,770	3,029	2,971	5,885	9,045	9,334	12,517	8,632	4,788		
1948	Below Normal	3,864	3,854	3,924	2,798	3,148	3,066	2,602	9,646	9,094	11,893	8,970	7,014		
1949	Dry	6,416	4,476	4,001	3,862	3,069	7,104	5,195	6,740	10,599	10,932	8,219	3,616		
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	8,785	9,360	7,495	3,077			
1951	Above Normal	6,363	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683		
1952	Wet	4,245	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565		
1953	Wet	6,565	8,314	4,042	26,911	3,195	2,409	4,978	9,929	9,575	11,208	9,576	12,086		
1954	Above Normal	3,738	8,900	3,058	9,956	16,981	8,256	9,789	7,431	10,282	13,531	9,432	7,790		
1955	Dry	4,998	5,744	3,658	2,466	3,126	3,255	5,983	5,724	8,995	12,585	8,125	3,731		
1956	Wet	4,126	3,355	24,919	28,406	20,332	3,269	3,201	10,773	9,560	9,323	8,904	10,724		
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025		
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104		
1959	Below Normal	6,741	10,076	3,841	4,172	12,726	2,537	8,218	8,132	11,972	12,221	9,037	1,924		
1960	Dry	5,509	4,432	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,895		
1961	Dry	4,907	3,803	5,400	3,071	9,119	5,610	5,954	7,039	10,725	13,544	9,822	4,655		
1962	Below Normal	5,632	5,538	3,797	3,955	13,507	3,832	6,320	7,690	10,264	11,758	8,304	3,755		
1963	Wet	6,733	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,935	8,508	9,149		
1964	Dry	4,116	5,374	4,219	3,451	2,140	3,227	9,436	7,558	9,327	10,226	7,871	3,950		
1965	Wet	4,029	3,742	16,133	19,879	4,223	4,503	6,116	6,884	10,129	11,676	7,701	11,253		
1966	Below Normal	4,882	7,156	3,599	3,815	3,397	10,474	6,253	8,028	13,103	13,585	8,030	4,514		
1967	Wet	5,542	3,606	10,304	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,624		
1968	Below Normal	5,675	6,708	3,631	3,796	12,939	2,447	6,842	7,268	10,856	12,764	6,629	3,763		
1969	Wet	4,143	3,416	4,039	22,168	19,852	5,140	11,360	10,987	10,021	10,436	9,076	10,785		
1970	Wet	3,629	5,265	13,043	48,536	12,335	3,481	6,824	7,285	10,107	12,863	8,020	9,932		
1971	Wet	6,429	4,568	5,248	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829		
1972	Below Normal	6,344	8,210	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,148		
1973	Above Normal	4,836	5,090	6,670	13,394	17,113	5,950	4,051	6,302	11,608	13,216	7,050	4,455		
1974	Wet	4,455	25,743	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325		
1975	Wet	6,616	10,849	3,835	3,872	3,572	22,950	3,882	9,184	10,621	8,993	9,637	9,999		
1976	Critical	6,957	8,735	3,461	298	5,299	3,257	5,594	6,646	9,823	11,083	3,665	1,907		
1977	Critical	6,119	4,999	4,520	4,144	6,375	4,483	9,943	5,707	12,989	11,929	5,024	3,883		
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,713	8,589	4,498		
1979	Below Normal	6,505	6,484	4,050	4,361	2,869	2,765	3,254	5,354	10,609	10,205	6,196	3,886		
1980	Above Normal	4,201	5,546	3,917	17,330	28,377	3,796	4,501	6,840	10,119	10,538	8,533	3,377		
1981	Dry	4,572	7,978	3,679	3,337	2,578	2,604	3,643	8,217	14,298	12,563	6,685	3,966		
1982	Wet	3,019	7,081	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,677	8,649		
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580		
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,699	13,410	7,444	10,695		
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,116	9,739	7,538	4,045		
1986	Wet	4,614	5,090	3,860	3,367	40,440	18,882	2,088	7,941	11,492	10,364	8,637	3,580		
1987	Dry	3,951	5,978	4,304	3,330	2,838	2,615	7,249	8,787	12,303	11,899	6,907	3,992		
1988	Critical	5,917	4,250	2,837	3,147	5,313	3,369	5,326	5,870	11,090	11,560	9,559	3,792		
1989	Dry	5,284	2,764	3,384	1,996	3,199	1,903	3,255	8,952	9,075	12,139	7,256	2,636		
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,986	8,417	12,190	9,053	2,875		
1991	Critical	4,435	3,980	3,251	4,930	3,252	2,971	3,254	6,188	8,050	8,412	5,648	3,554		
1992	Critical	4,868	5,344	3,251	3,251	1,955	2,257	3,311	9,861	13,252	12,967	10,414	1,732		
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,593	7,352	8,425		
1994	Critical	6,194	6,689	3,971	3,051	2,909	3,189	8,070	6,776	10,750	11,966	10,172	2,995		
1995	Wet	4,598	4,470	3,225	7,863	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572		
1996	Wet	6,372	7,648	2,285	3,226	32,058	8,782	4,171	10,888	9,350	10,361	7,957	10,590		
1997	Wet	6,831	8,472	24,150	32,560	4,019	4,479	6,578	9,159	10,133	12,229	6,653	10,921		
1998	Wet	6,126	8,518	4,023	8,604	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764		
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,460	8,159	10,877		
2000	Above Normal	5,277	11,064	3,940	2,621	32,514	6,438	2,878	7,748	11,146	13,556	8,685	6,574		
2001	Dry	5,664	8,600	4,125	3,439	2,262	2,292	5,271	8,920	13,488	11,777	6,072	3,449		
2002	Dry	5,660	3,485	2,972	8,218	2,981	3,083	6,707	8,266	11,296	10,626	7,285	4,192		
2003	Above Normal	5,232	4,663	10,159	13,692	2,901	2,936	9,735	12,870	10,070	13,738	7,542	5,853		

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Alternative 4 (cfs)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,233
1923	Below Normal	4,916	7,059	3,282	3,048	2,972	3,427	2,992	10,058	10,076	10,696	8,107	3,440
1924	Critical	4,458	4,832	4,175	1,851	2,922	4,085	8,075	8,017	10,041	10,077	7,984	4,841
1925	Dry	3,873	2,869	2,826	0	1,633	2,821	2,539	5,333	8,893	10,522	8,975	5,013
1926	Dry	5,260	4,147	3,485	3,184	1,710	3,073	2,965	6,705	10,729	12,505	7,868	4,071
1927	Wet	4,221	2,802	3,513	3,871	26,034	3,396	9,170	8,633	10,797	11,233	9,255	11,786
1928	Above Normal	4,569	5,899	3,647	3,772	2,128	11,334	3,051	6,829	12,252	14,228	8,961	8,844
1929	Critical	4,572	5,621	3,134	0	3,115	3,212	6,085	6,545	8,467	9,793	10,497	4,151
1930	Dry	4,716	4,096	2,457	3,067	2,581	2,869	5,169	5,860	9,519	10,040	7,051	3,762
1931	Critical	4,346	3,688	3,333	3,023	3,069	3,017	9,119	7,536	8,655	9,993	6,381	3,107
1932	Dry	3,129	2,873	3,373	3,251	3,042	2,745	5,272	4,357	7,206	6,613	6,435	4,211
1933	Critical	3,998	3,461	3,238	3,373	3,251	3,268	5,655	5,255	6,978	6,855	10,892	5,736
1934	Critical	3,774	3,112	3,124	2,964	2,958	3,095	5,789	6,461	8,351	8,387	5,050	2,438
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,018	9,495	9,875	8,932	4,421
1936	Below Normal	4,283	3,939	3,481	2,091	2,661	4,046	4,636	6,433	8,814	11,797	8,536	4,701
1937	Below Normal	5,176	4,811	3,484	3,251	3,252	2,779	4,600	8,386	9,503	8,050	3,841	
1938	Wet	3,627	2,922	14,583	3,530	28,967	32,392	10,694	7,578	9,543	11,387	9,155	10,869
1939	Dry	4,494	6,890	3,768	3,434	4,341	3,137	8,493	6,957	8,758	11,789	8,947	3,584
1940	Above Normal	4,047	4,685	3,321	2,176	24,953	19,297	3,432	6,584	10,860	13,086	9,246	5,081
1941	Wet	4,952	4,518	5,910	22,828	20,463	11,263	11,900	10,937	9,442	9,897	11,329	12,145
1942	Wet	5,326	8,629	10,071	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,147
1943	Wet	5,241	9,502	2,984	7,677	7,464	11,264	5,051	7,691	10,323	12,692	9,145	12,137
1944	Dry	4,742	9,017	3,899	3,964	2,773	1,966	6,758	5,767	7,572	9,961	7,282	3,109
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	5,005	5,557	8,999	11,182	8,323	4,933
1946	Below Normal	4,831	4,575	21,222	6,831	4,260	4,420	7,114	7,808	10,727	11,531	8,788	4,364
1947	Dry	5,179	4,098	3,632	3,769	3,029	2,971	5,888	9,048	9,350	12,519	8,637	4,830
1948	Below Normal	3,866	3,854	3,924	2,798	3,147	3,066	2,602	9,641	9,094	11,899	8,970	7,007
1949	Dry	6,411	4,476	4,001	3,862	3,069	7,109	5,196	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	4,439	6,446	8,784	9,394	7,496	3,077
1951	Above Normal	6,328	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,244	6,699	9,969	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,588	9,510	2,980	26,795	3,195	2,409	4,978	9,930	9,575	11,209	9,575	12,086
1954	Above Normal	3,738	8,785	3,058	10,067	16,981	8,256	9,789	7,431	10,282	13,531	9,433	7,790
1955	Dry	4,989	5,771	3,658	2,461	3,126	3,255	5,983	5,723	8,994	12,583	8,264	3,678
1956	Wet	4,123	3,355	24,978	28,406	20,332	3,269	3,201	10,773	9,559	9,323	8,905	10,724
1957	Above Normal	5,629	10,433	4,001	3,941	2,170	8,485	5,760	8,549	10,330	13,503	8,612	6,024
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,150	3,841	4,100	12,726	2,537	8,216	8,135	11,973	12,221	9,041	1,925
1960	Dry	5,503	4,434	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,897
1961	Dry	4,906	3,803	5,395	3,071	9,119	5,610	5,954	7,039	10,724	13,544	9,822	4,654
1962	Below Normal	5,631	5,538	3,797	3,954	13,510	3,832	6,320	7,689	10,264	11,758	8,303	3,754
1963	Wet	6,735	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,936	8,508	9,115
1964	Dry	4,133	5,390	4,204	3,456	2,140	3,227	9,437	7,559	9,329	10,227	7,873	3,951
1965	Wet	4,029	3,742	16,134	19,879	4,223	4,503	6,116	6,868	10,109	11,663	7,687	11,247
1966	Below Normal	4,895	7,013	3,599	3,815	3,397	10,666	6,253	8,036	13,112	13,585	8,036	4,457
1967	Wet	5,520	3,606	10,357	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,745
1968	Below Normal	5,559	7,793	3,631	3,796	11,819	2,447	6,845	7,269	10,856	12,764	6,630	3,763
1969	Wet	4,142	3,416	4,039	22,165	19,852	5,140	11,360	10,987	10,021	10,453	9,077	10,766
1970	Wet	3,583	5,276	13,079	48,536	12,335	3,481	6,824	7,286	10,115	12,860	8,021	9,932
1971	Wet	6,435	4,553	5,251	13,470	3,970	16,508	5,477	8,449	9,325	12,065	8,077	9,829
1972	Below Normal	6,346	8,208	3,637	3,420	3,526	8,540	7,445	6,880	12,091	13,454	7,845	3,149
1973	Above Normal	4,834	5,090	6,670	13,394	17,113	5,950	6,302	11,609	13,215	7,050	5,324	
1974	Wet	3,815	25,537	18,915	34,416	4,622	33,288	5,235	6,237	9,745	8,351	11,429	9,325
1975	Wet	6,616	10,741	3,835	3,872	3,572	23,054	3,882	9,184	10,621	8,994	9,836	10,000
1976	Critical	6,956	8,759	3,461	298	5,299	3,257	5,594	6,646	9,800	11,144	6,335	1,907
1977	Critical	6,088	5,007	4,516	4,148	6,375	4,483	9,944	5,708	12,985	11,927	5,021	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,714	8,589	4,499
1979	Below Normal	6,504	6,978	4,080	4,211	2,869	2,765	3,254	5,187	10,587	10,147	6,175	4,225
1980	Above Normal	3,899	5,432	3,917	17,330	28,377	3,796	4,606	6,832	10,108	10,525	7,870	4,789
1981	Dry	4,672	6,264	3,679	3,337	2,578	2,604	3,648	8,222	14,298	12,702	6,842	3,905
1982	Wet	3,019	7,621	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,678	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,700	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,115	9,739	7,539	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,439	18,882	2,088	7,941	11,492	10,365	8,637	3,508
1987	Dry	3,946	6,392	4,304	3,330	2,838	2,615	7,247	8,775	11,971	11,899	6,960	4,034
1988	Critical	5,979	4,250	2,837	3,147	5,255	3,365	5,360	5,869	11,088	11,515	9,549	3,792
1989	Dry	5,287	2,764	3,384	2,012	3,199	1,903	3,255	8,949	9,074	12,135	7,256	2,632
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,987	8,418	12,192	9,056	2,876
1991	Critical	4,438	3,983	3,251	4,936	3,252	2,971	3,254	6,188	8,050	8,351	5,644	3,554
1992	Critical	4,869	5,349	3,251	3,251	1,955	2,257	3,312	9,870	13,262	12,958	10,415	1,700
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,591	7,354	8,424
1994	Critical	6,194	6,673	3,971	3,051	2,909	3,188	8,071	6,786	10,761	11,963	10,175	3,001
1995	Wet	4,602	4,472	3,225	7,845	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	8,770	2,141	3,050	31,243	8,782	4,171	10,888	9,351	10,361	9,755	10,590
1997	Wet	6,716	8,449	24,287	32,560	4,019	4,479	6,579	9,160	10,134	11,994	6,643	11,045
1998	Wet	6,310	7,812	3,873	9,373	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,923	11,461	8,160	10,877
2000	Above Normal	5,348	11,028	3,951	2,572	32,514	6,438	2,878	7,748	11,147	13,556	6,685	6,574
2001	Dry	5,660	8,599	4,167	3,439	2,262	2,292	5,272	8,918	13,490	11,777	6,025	3,449
2002	Dry	5,661	3,485	2,972	8,227	2,981	3,083	6,708	8,267	11,297	10,626	7,286	4,193
2003	Above Normal	5,317	4,669	10,063	13,692	2,901	2,936	9,735	12,870	10,070	13,732	7,542	5,858

Change in Simulated Shasta Reservoir Release to Sacramento River (Node C4)
 Alternative 4 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	14
1923	Below Normal	159	703	0	0	-204	0	0	-528	-561	-41	-423	-520
1924	Critical	-519	-511	-508	1,162	0	9	462	12	195	234	254	-561
1925	Dry	-2	0	0	0	0	0	0	6	13	-43	9	232
1926	Dry	2	-1	0	0	0	0	0	533	-259	14	-770	-258
1927	Wet	5	0	0	150	1,530	0	0	0	-3	-1	41	-23
1928	Above Normal	-2	2	0	0	0	-15	0	21	13	-209	46	40
1929	Critical	-495	24	0	0	0	0	-2	4	2	-5	417	23
1930	Dry	-19	-14	0	0	0	0	0	0	0	25	49	-1
1931	Critical	0	-1	0	0	0	0	2	0	-5	-67	94	0
1932	Dry	0	-1	0	0	0	0	0	-9	-12	11	-4	72
1933	Critical	-22	-5	0	0	0	15	31	-258	-284	-259	811	-200
1934	Critical	651	9	-163	0	0	0	-8	364	-15	-1,788	1,466	-390
1935	Below Normal	0	0	0	0	0	0	-6	-9	-9	-11	-8	-2
1936	Below Normal	-2	-3	0	0	0	0	-1	-1	-1	40	2	0
1937	Below Normal	-1	-1	0	0	0	0	0	-2	-3	-16	-3	-1
1938	Wet	0	0	28	0	0	0	0	0	-1	-1	-1	-134
1939	Dry	-48	782	-164	0	-4	0	-47	-33	-146	0	-250	54
1940	Above Normal	290	18	0	0	-311	0	0	4	6	0	4	444
1941	Wet	26	29	-495	0	0	0	0	0	0	0	0	0
1942	Wet	-27	25	3	0	0	0	0	0	0	0	0	-1
1943	Wet	1	-12	0	12	0	0	0	0	-7	-35	-8	114
1944	Dry	3	402	0	0	0	-127	-6	-8	-19	-64	-54	-7
1945	Below Normal	0	0	0	0	0	0	-503	-548	-546	-31	-504	-476
1946	Below Normal	-452	1,001	1,845	0	0	0	-16	-12	-13	-8	-11	-5
1947	Dry	-2	-2	0	0	0	0	3	4	16	2	6	42
1948	Below Normal	2	0	0	0	0	0	0	-5	0	6	0	-6
1949	Dry	-5	0	0	0	0	5	0	0	1	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	-1	-1	34	1	-1
1951	Above Normal	-36	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	-1	1	0	0	0	0	0	0	0	0	0
1953	Wet	24	1,195	-1,062	-117	0	0	-1	1	0	0	0	0
1954	Above Normal	0	-115	0	111	0	0	0	0	0	0	1	0
1955	Dry	-9	27	0	-5	0	0	0	-1	-2	-3	-10	-53
1956	Wet	-3	0	59	0	0	0	0	0	0	0	0	-1
1957	Above Normal	0	1	1	0	0	-2	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	74	0	-72	0	0	-2	4	1	0	5	1
1960	Dry	-5	2	0	0	0	0	-1	0	0	-1	0	2
1961	Dry	-1	0	-5	0	0	0	0	0	-1	0	0	-1
1962	Below Normal	0	0	0	-1	4	0	0	0	0	0	0	0
1963	Wet	2	0	0	0	0	0	0	0	0	0	0	-34
1964	Dry	17	16	-15	5	-1	0	2	2	2	2	2	1
1965	Wet	0	0	1	0	0	0	0	-15	-20	-14	-14	-6
1966	Below Normal	14	-143	0	0	0	191	0	8	9	0	6	-58
1967	Wet	-22	0	54	0	0	0	0	0	0	0	0	121
1968	Below Normal	-117	1,085	0	0	-1,120	0	3	1	0	0	0	0
1969	Wet	-2	0	0	-3	0	0	0	0	0	17	1	-19
1970	Wet	-46	11	36	0	0	0	0	0	8	-3	0	0
1971	Wet	5	-15	3	0	0	0	0	0	0	0	0	0
1972	Below Normal	2	-2	0	0	0	-1	1	1	0	0	0	1
1973	Above Normal	-2	0	0	0	0	0	0	0	0	-1	0	869
1974	Wet	-640	-206	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	-107	0	0	0	103	0	0	0	0	-1	1
1976	Critical	-1	24	0	0	0	0	0	-1	-23	61	-31	1
1977	Critical	-31	9	-3	4	0	0	0	0	-4	-2	-3	0
1978	Above Normal	0	0	0	0	0	0	0	0	0	1	0	1
1979	Below Normal	-1	494	29	-150	0	0	0	-167	-23	-58	-21	339
1980	Above Normal	-302	-114	0	0	0	0	104	-8	-11	-13	-663	1,412
1981	Dry	101	-1,714	0	0	0	0	4	5	0	139	157	-61
1982	Wet	0	540	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	-1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-1	0	0	0	0	0	0	-72
1987	Dry	-4	414	0	0	0	0	-2	-11	-332	0	52	41
1988	Critical	62	1	0	0	-59	-4	34	-1	-2	-46	-9	-1
1989	Dry	2	0	0	16	0	0	0	-4	0	-4	0	-5
1990	Critical	0	0	0	0	0	0	1	1	1	2	4	1
1991	Critical	3	3	0	6	0	0	0	0	0	-61	-4	0
1992	Critical	1	5	0	0	0	0	1	10	11	-8	1	-32
1993	Above Normal	0	0	0	0	0	0	0	0	0	-2	2	0
1994	Critical	0	-16	0	0	0	0	1	9	12	-3	3	6
1995	Wet	4	2	0	-18	0	0	0	0	0	0	0	0
1996	Wet	0	1,121	-144	-176	-815	0	0	0	1	0	-2	0
1997	Wet	-115	-23	137	0	0	0	0	1	1	-235	-10	124
1998	Wet	184	-706	-150	769	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	1	0	1	0
2000	Above Normal	71	-36	11	-49	0	0	0	0	1	0	0	1
2001	Dry	-4	-1	42	0	0	0	1	-2	2	0	-47	0
2002	Dry	0	0	0	9	0	0	1	1	1	1	1	1
2003	Above Normal	85	6	-96	0	0	0	0	0	1	-6	1	4

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,619	2,820	3,178	3,315	3,289	2,731	2,250	2,101
1924	Critical	1,988	1,881	1,808	1,861	2,041	2,035	2,001	1,883	1,720	1,240	1,153	1,132
1925	Dry	1,139	1,184	1,245	1,342	1,957	2,225	2,522	2,664	2,485	1,917	1,639	1,341
1926	Dry	1,248	1,251	1,252	1,360	1,860	2,108	2,733	2,647	3,329	1,702	1,370	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,512	1,913
1928	Above Normal	1,720	1,827	1,800	1,974	2,085	2,797	3,233	3,361	3,081	2,456	1,950	1,459
1929	Critical	1,248	1,238	1,231	1,253	1,356	1,485	1,465	1,406	1,289	1,172	1,079	1,051
1930	Dry	1,023	1,015	1,477	1,757	1,913	2,375	2,718	2,866	2,631	2,030	1,753	1,461
1931	Critical	1,390	1,403	1,429	1,562	1,687	1,890	1,789	1,733	1,602	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,384	1,655	1,922	2,260	2,316	1,780	1,446	1,377
1933	Critical	1,276	1,251	1,253	1,336	1,424	1,390	1,459	1,517	1,453	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,292	1,379	1,643	1,634	1,517	1,341	1,232	1,126	1,103
1935	Below Normal	1,071	1,120	1,184	1,376	1,569	1,840	2,855	3,339	3,343	2,747	2,244	1,918
1936	Below Normal	1,816	1,756	1,746	2,258	2,788	2,954	3,353	3,538	3,538	2,964	2,473	2,351
1937	Below Normal	2,115	2,011	1,761	1,803	1,973	2,324	2,707	3,048	2,750	2,178	1,806	1,707
1938	Wet	1,511	1,688	2,584	2,864	2,788	2,788	3,277	3,538	3,538	3,411	3,198	2,771
1939	Dry	2,687	2,711	2,733	2,830	2,916	3,108	3,057	2,924	2,723	2,108	1,682	1,275
1940	Above Normal	1,248	1,230	1,252	1,718	2,707	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,598	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,544
1943	Wet	2,423	2,535	2,848	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,513	1,945
1944	Dry	1,818	1,801	1,567	1,641	1,779	1,998	2,124	2,351	2,176	1,587	1,241	1,178
1945	Below Normal	1,129	1,204	1,333	1,494	2,097	2,389	2,632	2,893	2,898	2,337	1,899	1,735
1946	Below Normal	1,585	1,636	2,283	2,685	2,888	3,063	3,387	3,538	3,441	2,870	2,383	2,155
1947	Dry	1,937	1,955	2,045	2,111	2,387	2,715	2,870	2,773	2,603	1,997	1,623	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,019
1949	Dry	1,917	1,900	1,916	1,969	2,050	2,336	2,615	2,793	2,574	1,986	1,656	1,283
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,706	2,243	2,048
1951	Above Normal	2,074	2,643	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,528	3,109
1953	Wet	2,982	3,002	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,036	2,815	2,306
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,626	1,650	1,743	1,872	1,959	2,097	2,167	2,346	2,249	1,688	1,461	1,261
1956	Wet	1,229	1,208	2,706	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,478
1957	Above Normal	2,410	2,444	2,220	2,330	2,730	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,354	2,862
1959	Below Normal	2,733	2,754	2,558	2,884	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,563
1960	Dry	1,417	1,321	1,304	1,430	2,027	2,591	2,774	2,853	2,638	2,052	1,650	1,258
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,981	2,023	2,175	2,303	2,436	2,539	2,644	2,582	2,000	1,738	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,135
1966	Below Normal	2,050	2,165	2,287	2,467	2,557	2,785	3,091	3,124	2,864	2,247	1,755	1,338
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,959
1968	Below Normal	2,849	2,866	2,800	2,922	2,962	3,036	3,181	3,266	3,036	2,398	1,978	1,680
1969	Wet	1,592	1,652	1,874	2,788	2,788	3,027	3,470	3,538	3,538	3,445	3,347	2,941
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,041	1,666
1971	Wet	1,543	1,740	2,119	2,455	2,718	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,243	2,788
1975	Wet	2,669	2,728	2,799	2,875	2,884	2,833	3,277	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,523	2,631	2,582	2,700	2,831	2,990	2,912	2,799	2,608	2,027	1,737	1,425
1977	Critical	1,248	1,246	1,214	1,195	1,179	1,191	1,079	1,020	803	746	746	754
1978	Above Normal	742	766	971	1,839	2,347	2,944	3,218	3,536	3,538	3,001	2,629	2,286
1979	Below Normal	2,147	2,127	1,879	2,082	2,398	2,766	2,991	3,276	3,021	2,466	2,066	1,971
1980	Above Normal	1,961	2,019	2,142	2,813	2,788	3,028	3,294	3,491	3,464	3,124	3,042	2,990
1981	Dry	2,826	2,800	2,816	2,947	3,075	3,024	3,189	3,175	2,872	2,247	1,882	1,503
1982	Wet	1,516	2,447	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,015	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,431	1,972
1987	Dry	1,861	1,888	1,637	1,653	1,813	2,136	2,157	1,967	1,645	1,241	1,087	1,020
1988	Critical	1,061	1,171	1,468	1,717	1,780	1,866	1,901	1,877	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,127	3,030	2,750	2,154	1,750	1,462
1990	Critical	1,495	1,514	1,457	1,598	1,682	1,946	1,921	1,940	1,862	1,272	1,232	1,160
1991	Critical	1,179	1,217	1,235	1,207	1,222	1,567	1,766	1,897	1,719	1,240	1,185	1,165
1992	Critical	1,169	1,186	1,210	1,247	1,466	1,706	1,846	1,688	1,396	1,234	1,093	967
1993	Above Normal	1,018	1,051	1,221	1,762	2,272	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,331
1996	Wet	3,163	3,054	3,122	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,215	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,203	2,622	2,369	1,817
1998	Wet	1,700	1,770	1,968	2,706	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,552
2000	Above Normal	2,414	2,478	2,266	2,523	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,526	1,591	1,690	1,900	1,966	1,895	1,615	1,240	1,131	1,041
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,506	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated End-of-Month Oroville Reservoir Storage (Node S6)
 Alternative 4 (taf)
 SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,117	2,861	2,372
1923	Below Normal	2,270	2,270	2,346	2,598	2,601	2,802	3,160	3,297	3,271	2,714	2,234	2,038
1924	Critical	1,849	1,742	1,534	1,586	1,766	1,759	1,725	1,607	1,443	1,241	1,156	1,135
1925	Dry	1,141	1,185	1,246	1,344	1,958	2,226	2,524	2,666	2,467	1,899	1,631	1,333
1926	Dry	1,251	1,266	1,273	1,411	1,911	2,159	2,784	2,700	2,380	1,772	1,375	1,244
1927	Wet	1,240	1,516	1,501	1,802	2,788	2,999	3,396	3,538	3,538	2,984	2,513	1,914
1928	Above Normal	1,720	1,828	1,802	1,976	2,086	2,797	3,233	3,362	3,080	2,455	1,949	1,457
1929	Critical	1,248	1,236	1,230	1,253	1,354	1,489	1,469	1,409	1,292	1,175	1,084	1,057
1930	Dry	1,028	1,020	1,482	1,762	1,918	2,380	2,723	2,871	2,636	2,035	1,753	1,461
1931	Critical	1,398	1,418	1,444	1,577	1,703	1,906	1,805	1,748	1,617	1,240	1,112	1,083
1932	Dry	1,070	1,086	1,037	1,240	1,383	1,654	1,922	2,260	2,315	1,780	1,302	1,244
1933	Critical	1,237	1,224	1,246	1,306	1,394	1,359	1,429	1,487	1,424	1,240	1,155	1,126
1934	Critical	1,109	1,112	1,106	1,292	1,378	1,644	1,635	1,518	1,343	1,234	1,128	1,106
1935	Below Normal	1,058	1,107	1,171	1,364	1,557	1,828	2,843	3,327	3,331	2,734	2,232	1,906
1936	Below Normal	1,801	1,739	1,729	2,241	2,788	2,954	3,353	3,538	3,538	2,963	2,473	2,346
1937	Below Normal	2,110	2,006	1,757	1,798	1,969	2,319	2,702	3,044	2,707	2,135	1,777	1,678
1938	Wet	1,481	1,659	2,555	2,835	2,788	2,788	3,277	3,538	3,538	3,397	3,187	2,702
1939	Dry	2,618	2,641	2,680	2,776	2,862	3,054	3,004	2,875	2,675	2,060	1,637	1,244
1940	Above Normal	1,238	1,221	1,246	1,711	2,700	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,597	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,516
1943	Wet	2,395	2,507	2,820	2,788	2,890	2,937	3,350	3,526	3,538	2,966	2,514	1,947
1944	Dry	1,820	1,803	1,567	1,641	1,780	1,998	2,125	2,352	2,176	1,588	1,241	1,172
1945	Below Normal	1,123	1,198	1,327	1,488	2,091	2,383	2,626	2,887	2,892	2,332	1,863	1,665
1946	Below Normal	1,515	1,602	2,249	2,651	2,846	3,063	3,387	3,538	3,431	2,860	2,373	2,148
1947	Dry	1,931	1,949	2,038	2,104	2,380	2,709	2,864	2,766	2,597	1,990	1,619	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,018
1949	Dry	1,917	1,900	1,915	1,968	2,049	2,336	2,614	2,793	2,574	1,986	1,653	1,280
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,708	2,246	2,051
1951	Above Normal	2,076	2,645	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,529	3,088
1953	Wet	2,963	2,983	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,037	2,815	2,366
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,624	1,648	1,741	1,870	1,957	2,095	2,165	2,345	2,247	1,686	1,459	1,271
1956	Wet	1,239	1,218	2,716	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,476
1957	Above Normal	2,409	2,443	2,218	2,328	2,729	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	3,235	3,538	3,538	3,420	3,353	2,861	2,861
1959	Below Normal	2,733	2,754	2,558	2,883	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,564
1960	Dry	1,421	1,327	1,312	1,438	2,035	2,599	2,782	2,861	2,646	2,061	1,656	1,263
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,982	2,024	2,176	2,304	2,437	2,540	2,645	2,583	2,001	1,739	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,136
1966	Below Normal	2,050	2,165	2,287	2,467	2,558	2,785	3,092	3,125	2,864	2,247	1,755	1,340
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,957
1968	Below Normal	2,846	2,863	2,789	2,922	2,962	3,036	3,181	3,266	3,038	2,400	1,980	1,682
1969	Wet	1,614	1,673	1,896	2,788	2,788	3,027	3,470	3,538	3,538	3,439	3,345	2,944
1970	Wet	2,907	2,985	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,040	1,667
1971	Wet	1,544	1,742	2,120	2,456	2,719	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,749	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,244	2,756
1975	Wet	2,637	2,697	2,767	2,844	2,884	2,833	3,276	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,521	2,629	2,580	2,698	2,829	2,988	2,910	2,797	2,606	2,027	1,737	1,426
1977	Critical	1,248	1,247	1,215	1,196	1,180	1,192	1,081	1,021	805	748	747	755
1978	Above Normal	743	768	973	1,840	2,349	2,944	3,218	3,536	3,538	3,001	2,628	2,284
1979	Below Normal	2,147	2,126	1,878	2,081	2,396	2,764	2,990	3,274	3,020	2,466	2,066	1,916
1980	Above Normal	1,829	1,887	2,009	2,813	2,788	3,028	3,295	3,492	3,465	3,204	3,122	2,905
1981	Dry	2,743	2,717	2,740	2,888	3,075	3,024	3,189	3,175	2,872	2,247	1,881	1,505
1982	Wet	1,508	2,439	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,014	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,354	1,962
1987	Dry	1,851	1,878	1,627	1,642	1,802	2,125	2,146	1,957	1,634	1,241	1,087	1,020
1988	Critical	1,061	1,172	1,468	1,718	1,780	1,866	1,901	1,878	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,128	3,030	2,750	2,154	1,757	1,468
1990	Critical	1,500	1,519	1,460	1,601	1,685	1,948	1,924	1,943	1,865	1,275	1,235	1,163
1991	Critical	1,182	1,219	1,238	1,209	1,225	1,569	1,768	1,900	1,721	1,240	1,187	1,167
1992	Critical	1,172	1,189	1,212	1,250	1,469	1,709	1,849	1,690	1,399	1,237	1,096	970
1993	Above Normal	1,021	1,054	1,224	1,765	2,275	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,330
1996	Wet	3,163	3,055	3,122	2,788	2,788	2,995	3,252	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,216	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,212	2,615	2,362	1,809
1998	Wet	1,693	1,763	1,961	2,699	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,561
2000	Above Normal	2,422	2,486	2,274	2,531	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,538	1,604	1,702	1,912	1,979	1,907	1,627	1,240	1,131	1,040
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,511	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,986

Simulated Oroville Reservoir Release to Feather River (Node C6)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,300	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,314	1,614	2,572	3,480	3,737	10,799	9,331	3,801
1924	Critical	2,814	2,535	2,011	1,594	1,595	2,468	3,408	3,997	4,672	9,071	2,824	1,421
1925	Dry	849	842	845	1,416	756	647	2,029	2,863	6,057	10,892	6,215	6,405
1926	Dry	2,495	1,276	1,766	1,202	707	1,445	1,523	5,444	7,648	11,808	6,958	3,396
1927	Wet	1,023	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	10,994	10,138	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,170	2,589	3,546	7,588	12,519	10,017	9,502
1929	Critical	4,304	1,301	1,642	2,062	1,783	1,709	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,948	11,365	6,082	6,157
1931	Critical	2,053	1,092	841	793	798	682	4,853	3,485	4,291	7,166	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	7,041	2,459
1933	Critical	2,535	1,406	1,190	1,081	813	4,623	3,618	4,142	5,055	5,122	2,794	1,530
1934	Critical	1,087	870	2,667	1,397	3,551	765	4,062	4,593	5,040	3,102	3,087	1,400
1935	Below Normal	1,294	839	812	1,400	824	665	1,789	3,432	4,939	11,416	9,796	6,661
1936	Below Normal	2,592	2,071	1,644	1,500	5,741	5,375	2,603	3,318	4,101	10,931	9,540	3,392
1937	Below Normal	4,684	2,648	5,237	1,621	1,523	1,546	2,690	3,624	9,354	10,901	7,691	2,855
1938	Wet	4,142	1,601	1,540	1,522	13,275	19,226	14,276	19,855	11,317	6,286	6,514	9,859
1939	Dry	4,139	2,566	2,878	1,614	1,621	1,596	5,521	5,032	5,581	11,448	8,327	7,943
1940	Above Normal	1,286	1,200	1,187	1,651	1,006	19,615	5,524	3,154	5,599	12,718	10,461	10,011
1941	Wet	3,944	2,495	1,526	1,516	15,064	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,926	5,590	11,502
1943	Wet	4,577	2,422	1,538	16,676	7,325	15,925	5,252	3,425	4,820	12,358	9,890	11,928
1944	Dry	4,581	2,694	5,419	2,012	1,979	1,962	3,680	3,664	6,761	11,285	7,384	2,416
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,080	11,239	9,502	3,715
1946	Below Normal	4,074	2,204	1,534	1,525	1,552	3,468	3,262	4,250	5,204	11,881	10,122	5,293
1947	Dry	4,569	2,503	1,534	1,607	1,509	1,527	2,856	4,590	5,621	11,395	7,661	7,418
1948	Below Normal	1,725	1,447	1,357	1,543	1,234	864	1,423	2,620	3,852	11,792	9,858	2,860
1949	Dry	2,629	1,708	1,561	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,942	7,420
1950	Below Normal	1,356	980	1,164	1,351	705	619	2,844	3,350	3,825	11,598	9,804	5,097
1951	Above Normal	2,069	1,560	12,245	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,346	9,625
1953	Wet	4,637	2,556	6,321	20,841	1,529	6,079	6,072	5,485	8,275	12,284	6,545	11,126
1954	Above Normal	4,331	2,493	5,708	2,778	1,517	6,612	7,182	3,421	7,667	12,724	9,990	9,910
1955	Dry	4,148	1,675	1,526	1,540	1,608	1,594	3,572	3,550	4,936	10,817	5,337	4,737
1956	Wet	1,403	1,685	2,172	19,481	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,879
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,868	3,131	3,156	4,110	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,182	4,082	10,841
1959	Below Normal	4,699	2,636	6,481	1,462	7,663	2,117	4,258	3,598	6,803	12,349	9,768	5,397
1960	Dry	3,269	2,569	1,614	1,092	969	777	3,602	3,575	6,566	11,326	8,047	7,880
1961	Dry	1,132	1,698	1,400	1,077	963	889	2,999	3,599	5,141	11,642	5,525	1,757
1962	Below Normal	1,427	885	1,373	853	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,618	16,187	8,109	13,695	5,499	5,266	12,671	9,453	11,639
1964	Dry	4,029	2,002	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,803	8,155
1965	Wet	2,140	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,084	7,630	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,060	6,344	12,386	9,934	8,130
1967	Wet	2,319	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,608	11,496
1968	Below Normal	4,643	2,424	4,192	2,385	11,573	6,449	3,904	3,657	6,671	12,693	9,284	7,179
1969	Wet	3,320	1,577	1,524	9,511	12,367	6,318	9,203	15,400	6,407	4,368	4,460	9,940
1970	Wet	4,012	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,982	11,988	9,654	8,698
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,367	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,891	2,347	1,501	1,492	1,495	2,001	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,310	7,077
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,104	3,203	10,153
1975	Wet	4,078	2,404	1,578	1,626	7,873	12,729	2,610	10,960	8,991	10,775	3,012	11,268
1976	Critical	2,724	2,391	4,606	1,482	1,597	1,645	3,672	3,724	4,085	9,861	5,367	6,692
1977	Critical	3,691	1,106	1,213	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,391	6,175	3,629	4,679	10,476	8,726	8,535
1979	Below Normal	4,689	2,454	6,143	1,175	1,062	885	2,487	3,657	7,057	11,264	8,572	3,126
1980	Above Normal	2,713	1,760	1,675	9,616	17,951	5,136	2,897	3,344	3,613	7,885	2,988	2,663
1981	Dry	4,684	2,602	3,375	1,863	3,516	6,762	2,604	3,470	7,208	11,308	7,144	8,226
1982	Wet	2,105	1,069	13,343	8,118	17,776	13,215	20,114	10,721	6,684	6,400	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,676
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,580	5,775
1986	Wet	4,527	2,485	1,513	1,452	20,984	22,561	2,634	3,547	4,475	11,339	5,359	11,230
1987	Dry	4,742	2,480	5,738	1,652	1,578	1,490	2,812	4,659	6,014	6,887	2,878	2,638
1988	Critical	1,433	990	1,617	956	1,154	1,480	2,045	2,636	4,118	8,248	2,365	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,261	6,251
1990	Critical	1,952	2,439	3,292	668	664	574	3,757	2,256	3,614	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,292	883	1,255	1,689	2,055	4,768	9,334	2,599	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,420	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,509	4,954	9,632	6,981	11,930	9,925	10,217
1994	Critical	4,322	2,359	3,741	1,066	982	785	3,525	3,046	4,008	10,737	3,773	2,942
1995	Wet	2,129	1,100	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,263
1996	Wet	5,228	4,525	3,915	11,720	20,967	9,934	7,963	11,925	5,528	11,470	5,717	11,293
1997	Wet	4,183	2,528	14,828	40,731	10,066	5,233	3,529	3,385	4,834	11,284	6,299	11,027
1998	Wet	4,436	2,574	2,054	1,449	16,957	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,148	2,927	3,390	4,206	11,176	4,779	7,182
2000	Above Normal	4,420	2,412	6,319	1,538	8,638	9,179	2,368	3,684	6,517	12,832	9,661	9,422
2001	Dry	3,933	2,457	6,286	1,587	1,556	1,462	2,788	4,622	6,102	7,452	2,973	2,552
2002	Dry	2,637	1,230	1,653	996	1,078	776	3,327	2,837	4,105	10,616	3,385	6,422
2003	Above Normal	2,325	1,853	2,124	1,455	1,457	1,477	2,012	6,847	4,988	12,672	9,298	10,125

Simulated Oroville Reservoir Release to Feather River (Node C6)
 Alternative 4 (cfs)
 SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	5,007	2,507	3,271	1,521	2,614	4,626	3,494	18,978	9,293	10,329	6,827	10,578
1923	Below Normal	4,191	2,568	3,836	1,522	3,489	1,617	2,574	3,482	3,739	10,778	9,317	4,592
1924	Critical	4,043	2,553	4,197	1,596	1,598	2,484	3,414	4,002	4,684	4,576	2,784	1,430
1925	Dry	855	847	849	1,420	759	641	2,025	2,857	6,388	10,885	6,071	6,409
1926	Dry	2,297	1,089	1,668	703	709	1,448	1,524	5,421	7,674	11,496	8,016	3,476
1927	Wet	1,028	1,567	4,107	705	2,645	6,935	6,543	6,337	4,734	11,992	10,130	11,691
1928	Above Normal	4,148	2,543	3,026	1,506	4,239	8,190	2,587	3,543	7,601	12,514	10,033	9,518
1929	Critical	4,267	1,327	1,640	2,038	1,813	1,625	4,366	5,564	4,916	3,477	2,888	1,536
1930	Dry	1,237	857	4,518	700	3,819	619	2,238	3,099	6,950	11,367	6,168	6,150
1931	Critical	1,929	960	840	794	798	682	4,853	3,487	4,291	7,414	3,374	1,511
1932	Dry	1,046	847	4,423	772	1,459	2,772	3,328	2,480	3,482	10,289	9,377	2,280
1933	Critical	1,003	1,222	852	1,460	813	4,624	3,619	4,143	5,044	4,641	2,798	1,534
1934	Critical	1,090	873	2,668	1,397	3,551	744	4,058	4,588	5,033	3,095	3,081	1,397
1935	Below Normal	1,540	837	811	1,400	824	666	1,790	3,433	4,942	11,416	9,797	6,661
1936	Below Normal	2,633	2,100	1,645	1,500	5,446	5,375	2,603	3,318	4,101	10,941	9,540	3,463
1937	Below Normal	4,684	2,648	5,234	1,621	1,546	1,546	2,690	3,624	9,999	10,902	7,472	2,855
1938	Wet	4,142	1,601	1,540	1,521	12,749	19,226	14,276	19,855	11,317	6,518	6,461	10,840
1939	Dry	4,139	2,566	2,622	1,613	1,620	1,595	5,521	4,962	5,569	11,434	8,297	7,713
1940	Above Normal	928	1,201	1,138	1,651	1,006	19,507	5,524	3,154	5,599	12,718	10,462	10,012
1941	Wet	3,948	2,495	1,526	1,516	15,058	11,296	4,633	10,666	6,264	9,457	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,924	5,588	11,979
1943	Wet	4,575	2,421	1,537	16,223	7,325	15,925	5,252	3,424	4,821	12,344	9,887	11,925
1944	Dry	4,578	2,695	5,429	2,015	1,981	1,965	3,680	3,664	6,759	11,282	7,392	2,517
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,079	11,229	9,501	4,813
1946	Below Normal	4,074	1,596	1,534	1,525	1,699	2,778	3,263	4,250	5,382	11,878	10,120	5,230
1947	Dry	4,570	2,504	1,534	1,606	1,509	1,527	2,856	4,590	5,622	11,397	7,631	7,337
1948	Below Normal	1,725	1,447	1,357	1,543	1,232	864	1,423	2,620	3,852	11,793	9,860	2,863
1949	Dry	2,633	1,712	1,562	1,616	1,612	1,571	3,268	3,329	6,546	11,268	9,979	7,420
1950	Below Normal	1,309	980	1,164	1,351	705	619	2,844	3,350	3,825	11,558	6,804	5,097
1951	Above Normal	2,068	1,560	12,286	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,333	9,995
1953	Wet	4,615	2,540	6,013	20,841	1,529	6,079	6,072	5,485	8,275	12,282	6,545	11,124
1954	Above Normal	4,333	2,494	5,706	2,778	1,517	6,615	7,182	3,421	7,668	12,724	9,991	9,911
1955	Dry	4,175	1,675	1,526	1,539	1,608	1,593	3,572	3,550	4,935	10,816	5,356	4,542
1956	Wet	1,403	1,685	2,172	19,644	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,908
1957	Above Normal	4,165	2,606	6,806	1,592	3,695	4,840	3,131	3,156	4,111	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,184	4,082	10,843
1959	Below Normal	4,699	2,636	6,482	1,462	7,658	2,117	4,258	3,597	6,804	12,352	9,767	5,368
1960	Dry	3,237	2,518	1,591	1,092	969	777	3,602	3,575	6,565	11,325	8,092	7,882
1961	Dry	1,216	1,698	1,401	1,077	963	888	2,999	3,599	5,141	11,642	5,524	1,757
1962	Below Normal	1,427	886	1,372	854	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,617	16,187	8,109	13,695	5,499	5,267	12,735	9,453	11,679
1964	Dry	4,029	1,983	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,808	8,156
1965	Wet	2,152	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,080	7,632	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,061	6,347	12,386	9,934	8,105
1967	Wet	2,342	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,607	11,535
1968	Below Normal	4,642	2,424	4,329	2,212	6,449	3,903	3,656	6,334	9,588	11,573	9,288	7,178
1969	Wet	3,004	1,575	1,523	9,865	12,367	6,318	9,203	15,400	6,407	4,479	4,388	9,843
1970	Wet	4,192	2,452	13,343	35,711	10,502	3,980	3,503	3,526	4,985	11,986	9,654	8,677
1971	Wet	4,239	2,729	2,142	2,122	2,104	6,386	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,889	2,347	1,501	1,492	1,495	2,004	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,252	5,948	2,915	5,074	6,759	11,148	9,710	7,076
1974	Wet	3,948	1,576	8,005	20,369	5,602	26,162	9,959	8,485	7,265	9,101	3,199	10,694
1975	Wet	4,072	2,400	1,577	1,626	7,311	12,729	2,610	10,960	8,991	10,776	3,013	11,269
1976	Critical	2,751	2,392	4,607	1,482	1,597	1,645	3,672	3,724	4,085	9,829	5,363	6,690
1977	Critical	3,699	1,083	1,212	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,413	6,175	3,627	4,681	10,482	8,732	8,542
1979	Below Normal	4,683	2,450	6,157	1,174	1,062	885	2,487	3,656	7,049	11,256	8,569	4,050
1980	Above Normal	3,970	1,758	1,675	7,461	17,951	5,136	2,891	3,337	3,604	6,608	2,976	5,440
1981	Dry	4,665	2,589	3,266	1,587	2,444	6,762	2,605	3,472	7,212	11,312	7,151	8,173
1982	Wet	2,265	1,071	13,216	8,118	17,776	13,215	20,114	10,721	6,684	6,401	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	7,770	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,678
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,579	5,775
1986	Wet	4,527	2,484	1,514	1,452	20,984	22,560	2,634	3,547	4,475	11,339	6,612	10,108
1987	Dry	4,742	2,480	5,751	1,652	1,578	1,490	2,812	4,658	6,010	6,717	2,877	2,635
1988	Critical	1,431	988	1,616	956	1,154	1,480	2,045	2,635	4,118	8,257	2,364	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,158	6,249
1990	Critical	1,974	2,439	3,330	668	664	574	3,757	2,256	3,615	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,294	883	1,255	1,689	2,055	4,767	9,377	2,217	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,416	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,555	4,954	9,632	6,981	11,929	9,925	10,217
1994	Critical	4,322	2,359	3,742	1,066	982	785	3,525	3,046	4,008	10,736	3,774	2,942
1995	Wet	2,129	1,099	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,266
1996	Wet	5,225	4,521	3,912	11,726	20,967	9,934	7,963	11,925	5,528	11,469	5,715	11,295
1997	Wet	4,179	2,525	14,839	40,731	10,066	5,233	3,529	3,385	4,697	11,519	6,300	11,043
1998	Wet	4,436	2,574	2,054	1,448	16,824	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,149	2,927	3,390	4,206	11,176	4,780	7,038
2000	Above Normal	4,421	2,412	6,319	1,538	8,784	9,179	2,367	3,685	6,518	12,832	9,662	9,423
2001	Dry	3,932	2,456	6,089	1,587	1,556	1,462	2,788	4,622	6,104	7,646	2,974	2,552
2002	Dry	2,637	1,230	1,654	996	1,078	776	3,326	2,836	4,105	10,616	3,309	6,506
2003	Above Normal	2,326	1,845	2,123	1,456	1,457	1,477	2,012	6,847	4,988	12,673	9,298	10,125

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	562	518	575	575	494	554	800	975	975	802	789	650
1924	Critical	576	515	448	387	393	376	371	366	347	327	308	295
1925	Dry	305	334	388	403	556	652	800	975	915	715	618	612
1926	Dry	602	567	533	489	575	634	800	779	628	475	389	387
1927	Wet	361	495	574	575	559	656	800	975	975	806	797	595
1928	Above Normal	577	492	512	518	546	644	800	953	832	563	496	426
1929	Critical	384	349	316	275	300	351	415	465	461	400	346	314
1930	Dry	300	280	415	493	557	669	770	793	701	484	443	447
1931	Critical	412	386	331	305	300	341	342	356	359	322	275	199
1932	Dry	154	161	293	405	575	671	793	975	975	906	770	650
1933	Critical	604	518	458	415	388	431	487	584	566	397	329	300
1934	Critical	263	229	317	422	519	624	596	483	295	273	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	936	789	605
1939	Dry	601	553	509	469	457	582	636	621	556	413	348	354
1940	Above Normal	344	324	316	571	555	634	800	975	975	760	720	518
1941	Wet	490	379	550	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	795	793	592
1944	Dry	505	409	357	329	393	520	583	690	656	510	434	401
1945	Below Normal	371	439	494	497	563	667	800	975	975	782	764	557
1946	Below Normal	546	571	575	571	563	659	800	975	975	764	699	564
1947	Dry	529	544	543	495	564	672	751	767	652	496	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	588	569
1950	Below Normal	533	484	426	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	653	517	553	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	539	523	552	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	510	520	581	703	708	615	529	508
1956	Wet	473	430	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	502	440	493	575	654	737	757	720	447	398	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	497	560	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	568	575	559	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	515	518	512	534	541	638	800	838	796	536	503	489
1967	Wet	448	466	575	570	555	646	800	975	975	950	800	636
1968	Below Normal	637	549	540	569	547	649	712	735	690	428	422	410
1969	Wet	378	412	479	543	522	647	800	975	975	876	766	600
1970	Wet	607	570	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	595
1974	Wet	597	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	500	483	482	575	673	800	975	975	938	800	640
1976	Critical	680	531	498	442	417	442	456	482	464	432	407	386
1977	Critical	378	356	313	281	250	245	233	236	214	177	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	536	487	559	575	668	800	975	908	712	692	611
1980	Above Normal	609	575	575	459	426	627	800	975	975	950	752	603
1981	Dry	550	467	426	425	433	576	667	693	654	497	431	424
1982	Wet	417	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	619	490
1987	Dry	489	437	380	341	375	492	552	536	469	287	243	261
1988	Critical	260	263	340	447	442	473	512	512	470	402	350	336
1989	Dry	328	402	453	481	529	631	800	833	645	480	417	399
1990	Critical	404	391	349	356	374	469	530	532	503	422	390	368
1991	Critical	317	271	218	157	116	309	451	583	612	484	290	232
1992	Critical	241	244	250	238	409	561	589	520	421	113	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	474	410	414	428	458	483	502	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	519	575	562	478	628	800	975	975	879	800	622
1997	Wet	555	501	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	585	484	432	571	538	644	800	975	940	683	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	477	410	415
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	600
2003	Above Normal	501	488	575	563	539	621	800	975	975	754	737	600

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Alternative 4 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	559	505	575	575	492	552	800	975	975	802	772	650
1924	Critical	530	470	402	342	348	331	326	322	313	305	299	294
1925	Dry	304	334	387	402	556	652	800	975	935	734	635	636
1926	Dry	625	575	541	497	575	634	800	808	638	486	407	372
1927	Wet	347	485	570	575	559	656	800	975	975	806	795	593
1928	Above Normal	574	492	512	517	546	644	800	953	831	562	497	427
1929	Critical	386	350	318	276	300	353	416	467	462	401	347	315
1930	Dry	300	280	414	492	556	669	770	793	701	485	449	453
1931	Critical	418	392	337	311	306	347	348	362	366	324	280	205
1932	Dry	160	166	299	410	575	671	793	975	975	906	800	620
1933	Critical	509	383	323	282	255	299	356	454	422	243	231	201
1934	Critical	196	161	264	371	469	574	545	433	245	224	94	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	950	800	607
1939	Dry	603	544	500	460	448	572	626	609	546	405	347	352
1940	Above Normal	343	324	316	571	555	634	800	975	975	760	701	499
1941	Wet	471	369	540	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	796	793	593
1944	Dry	511	402	351	322	386	513	576	683	649	506	431	399
1945	Below Normal	369	437	493	497	563	667	800	975	975	782	733	566
1946	Below Normal	557	575	575	571	563	659	800	975	975	764	698	560
1947	Dry	529	545	543	496	564	672	751	767	653	497	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	590	572
1950	Below Normal	536	487	428	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	650	499	535	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	541	525	554	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	509	520	581	703	708	615	529	509
1956	Wet	474	431	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	501	439	492	575	654	737	757	720	447	397	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	496	559	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	575	482	618	800	975	975	802	788	590
1964	Dry	569	575	560	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	516	521	515	537	544	641	800	838	796	534	502	488
1967	Wet	447	465	575	570	555	646	800	975	975	950	800	634
1968	Below Normal	636	533	528	557	547	649	712	735	690	426	419	407
1969	Wet	375	410	478	543	522	647	800	975	975	875	765	600
1970	Wet	607	571	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	554
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	581
1974	Wet	582	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	502	485	483	575	673	800	975	975	938	800	640
1976	Critical	680	530	497	442	417	441	456	482	464	431	407	385
1977	Critical	377	356	313	281	249	244	233	236	214	176	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	528	479	551	575	668	800	975	907	710	690	605
1980	Above Normal	603	575	575	459	426	627	800	975	975	873	675	558
1981	Dry	535	479	438	437	445	588	679	705	666	509	438	433
1982	Wet	426	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	624	492
1987	Dry	490	438	381	341	375	492	552	535	469	290	246	264
1988	Critical	263	266	343	450	442	472	511	511	469	401	349	336
1989	Dry	328	402	453	481	530	631	800	833	645	480	416	398
1990	Critical	404	390	349	355	374	468	529	531	503	421	389	368
1991	Critical	317	271	218	158	116	309	452	583	612	485	288	230
1992	Critical	239	242	248	236	406	558	587	519	420	112	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	878	800	648
1994	Critical	641	511	475	410	415	428	458	483	503	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	503	575	562	478	628	800	975	975	879	800	622
1997	Wet	557	504	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	584	483	432	571	538	644	800	975	940	684	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	478	410	416
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	593
2003	Above Normal	500	486	575	563	539	621	800	975	975	754	737	600

Simulated Folsom Reservoir Release to American River (Node C8)

Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,782	2,655	5,866	4,511	4,484	1,875	3,093	4,510	2,907	5,062	1,808	4,041
1924	Critical	2,500	1,957	2,025	1,725	1,473	832	843	847	825	831	827	782
1925	Dry	870	825	822	820	6,205	2,147	4,783	4,490	3,872	5,063	3,168	1,681
1926	Dry	1,535	1,957	2,024	1,724	2,907	1,065	3,158	1,726	3,120	3,079	2,168	1,085
1927	Wet	1,534	1,592	1,610	3,567	13,419	4,633	7,644	4,714	5,387	4,760	1,807	5,051
1928	Above Normal	1,698	4,069	2,024	1,772	1,762	12,186	4,785	1,796	2,993	5,062	2,521	2,537
1929	Critical	1,535	1,676	1,775	1,509	1,295	1,316	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,107	1,132	1,167	1,123	1,128	2,638	1,790	1,796	2,872	4,473	2,282	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,290	1,063	1,074	1,077	1,112	1,357	1,229	1,901
1932	Dry	1,600	925	773	845	2,424	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,918	2,540	2,025	1,723	1,472	1,489	1,590	1,490	3,171	3,691	2,700	1,549
1934	Critical	1,723	1,718	1,035	872	809	826	2,078	2,566	3,728	860	2,184	1,622
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,909	1,956	2,025	5,123	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,515	2,778
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,668	4,266	4,869
1939	Dry	1,534	2,299	2,025	1,724	1,466	860	1,633	1,466	1,768	2,887	1,318	921
1940	Above Normal	1,355	1,352	1,345	3,086	10,582	10,509	6,190	3,157	1,962	5,062	2,262	5,051
1941	Wet	1,719	3,324	2,016	5,318	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,785	3,118	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,020	3,277	10,807	7,305	11,938	5,195	2,549	3,074	5,062	1,808	5,052
1944	Dry	2,732	2,760	2,025	1,725	1,450	1,441	1,481	1,492	2,322	3,709	2,944	1,974
1945	Below Normal	1,535	1,645	1,688	1,691	7,817	2,034	3,461	3,461	2,758	5,063	1,891	5,052
1946	Below Normal	1,891	2,762	8,731	5,147	2,574	3,053	3,589	3,637	2,039	5,062	2,687	3,928
1947	Dry	1,897	1,957	2,024	1,725	1,468	2,240	1,452	1,461	3,024	3,229	2,407	1,771
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,399	3,115	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,514	1,889
1950	Below Normal	1,535	1,957	2,025	2,632	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,567	3,900	2,020	6,815	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,034	2,025	1,722	3,014	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,500	1,776	1,786	1,794	1,806	2,725	3,065	1,726
1956	Wet	1,535	1,924	16,422	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,741	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,620	2,025	1,719	1,796	1,040	1,054	1,059	1,501	4,974	1,219	1,108
1960	Dry	1,536	1,605	1,677	1,429	1,240	3,364	1,949	1,778	1,807	1,866	2,844	1,847
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,164
1962	Below Normal	948	948	980	788	2,792	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	5,062	1,808	5,052
1964	Dry	1,913	3,674	2,280	2,356	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,887	2,204	2,017	1,762	1,762	1,176	1,362	1,194	1,220	4,658	1,611	1,216
1967	Wet	1,536	1,840	3,051	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,716
1968	Below Normal	1,536	3,583	2,090	1,717	6,808	2,047	1,505	1,513	1,544	4,711	1,545	1,540
1969	Wet	1,535	1,703	1,751	14,934	9,269	3,489	6,485	9,173	6,663	4,110	3,542	4,537
1970	Wet	1,535	2,297	5,558	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,189	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	3,226	4,305	3,115	4,663	1,807	3,486
1974	Wet	1,534	7,094	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,701	2,024	1,722	2,543	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,622	2,025	1,725	1,473	881	889	895	958	1,169	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,464	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,585	2,025	1,706	3,276	3,419	1,844	4,293	2,716	4,574	1,807	2,883
1980	Above Normal	1,534	2,436	2,268	17,695	13,166	3,708	2,961	2,964	3,261	2,993	5,057	4,148
1981	Dry	2,194	2,857	2,024	1,757	1,771	960	995	1,002	1,154	3,051	1,620	1,085
1982	Wet	1,534	5,331	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,234	4,115
1987	Dry	1,536	1,931	1,998	1,699	1,443	815	843	1,229	1,555	3,236	853	848
1988	Critical	833	909	841	794	1,340	910	816	840	1,279	1,188	858	851
1989	Dry	923	917	904	909	821	9,424	4,025	3,525	4,686	3,575	2,524	2,133
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,891	1,645	1,384
1991	Critical	1,454	1,411	1,442	1,231	1,041	1,020	1,062	1,070	1,804	3,550	4,402	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,630	1,902	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,816	2,684	4,072
1994	Critical	1,536	3,679	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,888	1,469	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,671	2,427	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,558	3,788	13,200	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,968	2,643	4,937
2000	Above Normal	1,769	3,224	2,025	2,507	11,529	4,098	2,474	2,209	2,028	5,062	1,926	2,637
2001	Dry	1,616	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,123	1,309	1,065
2002	Dry	1,170	829	1,316	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,608
2003	Above Normal	2,343	1,955	2,274	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Folsom Reservoir Release to American River (Node C8)

Alternative 4 (cfs)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,831	2,824	5,653	4,511	4,524	1,875	3,060	4,512	2,910	5,062	2,092	3,756
1924	Critical	3,243	1,957	2,025	1,725	1,473	832	843	847	646	652	610	640
1925	Dry	870	825	822	820	6,191	2,147	4,783	4,489	3,534	5,063	3,197	1,588
1926	Dry	1,535	2,209	2,024	1,724	3,051	1,068	3,153	1,246	3,442	3,048	2,067	1,617
1927	Wet	1,527	1,521	1,516	3,499	13,418	4,633	7,644	4,714	5,387	4,758	1,828	5,051
1928	Above Normal	1,724	4,027	2,024	1,772	1,762	12,183	4,783	1,796	2,999	5,062	2,493	2,523
1929	Critical	1,535	1,680	1,772	1,509	1,318	1,295	1,301	1,496	1,805	1,812	1,807	1,584
1930	Dry	1,131	1,127	1,177	1,133	1,137	2,615	1,790	1,796	2,871	4,460	2,197	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,291	1,060	1,072	1,075	1,113	1,423	1,175	1,900
1932	Dry	1,600	923	773	845	2,516	2,217	1,790	3,466	5,007	3,455	3,353	4,553
1933	Critical	2,978	3,228	2,025	1,686	1,471	1,473	1,589	1,490	3,430	3,869	1,806	1,583
1934	Critical	1,213	1,738	783	846	809	826	2,081	2,569	3,729	860	2,191	806
1935	Below Normal	1,021	911	825	846	824	1,762	5,787	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,897	1,956	2,025	5,135	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,512	2,780
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,437	4,318	5,019
1939	Dry	1,534	2,482	2,025	1,724	1,466	863	1,645	1,502	1,745	2,850	1,213	923
1940	Above Normal	1,343	1,341	1,334	3,091	10,582	10,509	6,190	3,157	1,962	5,062	2,577	5,051
1941	Wet	1,726	3,169	2,016	5,151	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,777	3,126	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,017	3,280	10,807	7,305	11,938	5,195	2,549	3,074	5,054	1,808	5,052
1944	Dry	2,644	2,976	2,025	1,725	1,450	1,441	1,481	1,492	2,324	3,672	2,914	1,966
1945	Below Normal	1,535	1,634	1,673	1,676	7,821	2,034	2,212	3,463	2,760	5,063	2,393	4,404
1946	Below Normal	1,848	2,871	8,802	5,148	2,575	3,053	3,589	3,637	2,039	5,062	2,691	3,992
1947	Dry	1,822	1,957	2,024	1,725	1,468	2,250	1,452	1,461	3,011	3,232	2,409	1,779
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,402	3,113	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,476	1,889
1950	Below Normal	1,535	1,957	2,025	2,669	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,534
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,624	4,146	2,020	6,521	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,006	2,025	1,722	3,045	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,501	1,776	1,786	1,794	1,806	2,726	3,063	1,710
1956	Wet	1,535	1,929	16,433	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,748
1957	Above Normal	1,575	3,742	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,638	2,025	1,719	1,776	1,040	1,054	1,059	1,502	4,986	1,213	1,108
1960	Dry	1,536	1,603	1,674	1,427	1,238	3,365	1,950	1,778	1,807	1,867	2,844	1,848
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,163
1962	Below Normal	950	948	980	788	2,791	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,566	1,808	5,052
1964	Dry	1,908	3,678	2,277	2,359	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,979	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,872	2,170	2,017	1,762	1,762	1,175	1,412	1,193	1,220	4,685	1,601	1,216
1967	Wet	1,536	1,836	3,040	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,747
1968	Below Normal	1,536	3,824	2,024	1,717	6,599	2,047	1,505	1,513	1,544	4,755	1,545	1,450
1969	Wet	1,535	1,690	1,734	14,921	9,269	3,489	6,485	9,173	6,663	4,116	3,559	4,513
1970	Wet	1,535	2,285	5,570	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,190	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	2,326	4,305	3,115	4,663	1,807	3,734
1974	Wet	1,534	6,847	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,674	2,024	1,722	2,572	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,628	2,025	1,725	1,473	881	890	895	956	1,171	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,458	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,987	1,808	4,021
1979	Below Normal	1,713	2,706	2,025	1,706	3,144	3,419	1,846	4,295	2,720	4,612	1,807	2,952
1980	Above Normal	1,534	2,331	2,269	17,695	13,167	3,708	2,961	2,964	3,261	4,253	5,057	3,612
1981	Dry	1,717	2,396	2,024	1,757	1,771	956	991	998	1,161	3,059	1,693	1,047
1982	Wet	1,534	5,485	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,300	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,139	4,192
1987	Dry	1,536	1,937	2,004	1,704	1,447	815	843	1,238	1,550	3,184	853	848
1988	Critical	833	909	841	794	1,399	912	816	840	1,279	1,184	858	851
1989	Dry	921	915	902	907	821	9,428	4,025	3,529	4,686	3,578	2,523	2,135
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,890	1,644	1,384
1991	Critical	1,452	1,409	1,440	1,229	1,043	1,019	1,060	1,068	1,804	3,551	4,445	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,620	1,891	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,815	2,685	4,072
1994	Critical	1,536	3,676	2,020	1,719	1,452	1,403	1,411	1,414	1,551	1,890	1,169	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,932	2,175	5,550	13,751	6,458	4,784	8,163	3,337	3,697	2,919	4,758
1997	Wet	2,520	3,786	13,241	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,969	2,643	4,937
2000	Above Normal	1,788	3,213	2,025	2,498	11,529	4,098	2,474	2,209	2,027	5,062	1,927	2,637
2001	Dry	1,615	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,104	1,315	1,065
2002	Dry	1,182	829	1,318	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,720
2003	Above Normal	2,260	1,955	2,250	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,119	16,634	25,948	25,447	17,370	11,333	20,994	15,796	12,691	20,085	15,348	14,149
1924	Critical	10,952	10,445	9,869	12,157	14,852	9,160	7,903	7,225	7,974	14,693	7,547	6,636
1925	Dry	7,262	7,575	12,380	12,052	49,385	16,631	23,176	13,706	12,502	19,398	13,269	13,395
1926	Dry	9,291	9,250	9,365	17,347	37,280	11,826	20,238	10,870	13,524	19,312	12,625	10,441
1927	Wet	7,945	21,302	18,523	31,633	73,779	41,778	42,649	24,401	18,451	22,024	16,348	29,746
1928	Above Normal	11,668	20,228	14,734	23,952	21,105	66,337	24,141	10,419	15,598	24,460	16,985	22,470
1929	Critical	11,331	13,477	11,628	12,618	16,071	12,112	8,435	8,917	10,286	9,514	9,665	6,784
1930	Dry	6,494	6,673	17,552	20,056	17,766	30,550	13,070	11,073	13,149	18,579	11,456	12,938
1931	Critical	8,190	8,313	8,222	13,389	11,476	8,436	9,593	7,514	7,701	12,698	7,564	6,650
1932	Dry	6,479	6,557	18,894	20,305	15,040	12,297	9,347	12,500	13,433	15,602	13,649	9,910
1933	Critical	8,057	7,924	9,490	14,084	12,304	13,985	9,501	8,540	10,550	10,400	9,785	8,180
1934	Critical	6,611	6,701	14,088	17,851	14,771	11,624	10,933	9,560	10,749	9,098	7,163	6,699
1935	Below Normal	6,484	11,077	9,903	26,605	13,222	25,791	40,882	18,841	15,094	19,834	14,841	14,987
1936	Below Normal	10,484	9,228	10,423	37,142	60,249	33,017	20,989	13,714	14,809	20,328	14,895	13,933
1937	Below Normal	10,819	9,673	13,893	13,300	33,771	35,918	20,818	13,896	16,271	19,039	13,117	9,775
1938	Wet	10,703	24,446	57,343	28,406	70,448	72,225	54,553	53,026	34,605	15,079	15,226	27,334
1939	Dry	12,536	13,232	13,791	10,713	12,179	9,609	9,064	9,998	9,651	19,787	14,697	15,105
1940	Above Normal	8,044	7,984	9,262	26,617	52,897	67,423	54,259	14,997	12,562	23,629	16,200	21,042
1941	Wet	10,989	13,586	34,251	62,267	65,241	60,969	49,696	38,615	16,023	17,457	15,190	30,471
1942	Wet	12,429	17,544	41,308	56,837	68,591	22,062	41,490	31,932	24,830	16,728	15,420	29,847
1943	Wet	12,742	19,386	18,276	59,674	47,791	57,277	25,373	15,479	12,439	23,112	15,782	29,616
1944	Dry	12,938	16,035	14,751	15,107	24,178	19,155	9,789	9,442	11,944	19,277	13,810	8,953
1945	Below Normal	7,959	14,527	15,976	13,141	43,597	20,961	12,312	12,687	11,925	19,744	15,819	14,210
1946	Below Normal	11,802	13,578	49,368	45,003	16,432	18,292	14,128	13,666	11,349	20,688	16,709	14,865
1947	Dry	11,855	11,379	15,154	11,571	17,513	19,660	12,724	9,628	13,147	20,150	15,133	14,731
1948	Below Normal	10,200	11,102	9,444	14,898	10,352	15,869	23,266	28,614	21,153	20,425	17,692	15,420
1949	Dry	10,948	10,274	13,339	11,364	11,828	40,246	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,892	9,509	10,015	20,039	34,080	19,962	14,593	13,889	21,057	16,339	14,887	15,877
1951	Above Normal	13,266	45,429	74,758	55,406	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,335
1952	Wet	12,005	17,509	36,467	58,575	59,093	52,707	53,626	58,987	36,121	18,325	16,353	26,355
1953	Wet	14,459	17,341	32,470	63,573	23,060	19,541	16,406	24,431	24,944	16,820	16,820	19,949
1954	Above Normal	11,992	19,182	14,845	24,346	45,036	43,628	38,790	12,296	14,223	24,719	17,093	22,851
1955	Dry	12,000	17,134	21,729	18,862	12,758	10,748	11,502	11,925	9,872	19,833	13,278	13,362
1956	Wet	8,304	11,036	49,606	75,069	59,456	34,215	18,077	39,217	20,637	17,385	15,396	29,692
1957	Above Normal	13,292	18,893	15,019	13,341	15,242	42,370	11,687	18,507	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,387	42,062	30,065	17,823	17,194	26,983
1959	Below Normal	14,999	18,084	15,271	21,633	41,662	15,896	10,338	10,616	13,509	23,554	17,298	14,083
1960	Dry	10,486	9,604	9,530	12,886	27,062	19,473	11,495	11,370	13,067	19,912	15,035	15,788
1961	Dry	8,602	12,706	19,169	12,644	33,442	18,048	10,191	10,464	11,180	20,708	12,888	10,975
1962	Below Normal	8,068	10,035	16,536	10,764	44,338	22,969	13,280	13,310	11,965	22,565	17,342	14,801
1963	Wet	34,384	16,242	27,945	16,909	61,938	25,006	64,449	26,359	14,140	24,311	16,509	28,674
1964	Dry	13,428	23,093	13,907	22,212	13,084	10,888	10,342	11,432	10,903	19,846	14,302	15,468
1965	Wet	8,927	15,562	44,229	70,874	32,673	19,743	40,271	17,537	15,172	22,261	15,881	29,819
1966	Below Normal	12,859	20,988	13,188	24,741	22,377	20,824	13,029	11,569	12,551	22,908	17,025	15,542
1967	Wet	10,350	15,097	36,472	36,587	46,618	45,914	34,380	43,172	38,246	14,633	15,713	28,484
1968	Below Normal	14,165	15,634	15,482	23,563	50,215	31,980	10,787	11,587	12,535	23,630	16,348	14,133
1969	Wet	11,556	12,017	22,849	64,355	69,086	42,925	39,682	45,518	22,432	13,631	13,745	27,734
1970	Wet	12,054	12,989	44,286	76,866	62,399	33,434	10,847	12,694	12,735	24,896	16,547	26,485
1971	Wet	13,805	19,596	47,245	46,379	22,418	39,151	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,107	15,292	15,877	17,107	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,047	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,278	15,375	18,445
1974	Wet	13,611	48,137	59,345	72,443	39,328	67,942	56,272	20,677	19,499	19,851	17,257	27,985
1975	Wet	14,685	19,011	15,116	14,187	49,321	58,498	20,190	28,779	24,124	19,537	15,314	29,391
1976	Critical	15,878	19,004	15,548	11,041	12,650	13,513	10,160	6,663	8,255	16,967	9,516	11,534
1977	Critical	10,906	8,010	8,201	9,722	10,768	8,117	8,658	5,448	8,239	8,882	9,904	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,877	54,972	33,814	18,604	15,959	20,042	16,287	21,504
1979	Below Normal	12,554	14,450	15,005	21,149	28,771	24,730	13,656	14,460	12,784	20,592	16,040	12,234
1980	Above Normal	10,682	15,797	19,733	68,349	67,316	43,189	16,867	14,116	12,751	16,017	15,070	13,166
1981	Dry	12,223	14,441	15,564	20,831	26,450	25,299	13,219	9,758	13,567	19,893	15,326	15,880
1982	Wet	9,923	33,633	67,946	59,224	66,794	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,286	76,341	47,363	33,779	34,019	13,369	12,142	12,200	23,632	15,875	28,006
1985	Dry	11,243	24,682	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,508	76,675	70,753	18,197	12,973	13,207	20,919	14,103	23,663
1987	Dry	12,002	11,989	15,111	13,732	19,283	22,742	9,359	10,802	13,471	17,792	9,350	8,689
1988	Critical	7,833	7,735	17,578	25,017	13,273	7,427	11,357	9,096	10,763	16,159	9,705	6,702
1989	Dry	6,623	9,572	12,282	8,837	45,550	21,142	13,700	13,635	20,815	15,033	15,879	15,879
1990	Critical	9,876	9,184	11,125	18,387	13,395	12,270	11,389	7,988	8,003	17,815	10,502	6,894
1991	Critical	6,595	6,686	7,181	9,618	8,977	28,664	11,738	7,176	9,636	17,363	9,725	6,843
1992	Critical	6,547	6,571	6,598	10,394	27,982	18,328	11,166	9,475	13,709	14,480	10,418	7,621
1993	Above Normal	7,688	6,672	12,616	46,928	48,092	38,920	37,440	26,003	26,194	19,731	16,502	22,740
1994	Critical	13,143	14,088	15,776	12,795	21,603	11,824	12,828	10,289	8,280	19,268	13,712	10,782
1995	Wet	7,610	8,336	15,277	63,130	49,951	77,297	50,308	58,378	38,017	17,119	18,024	23,059
1996	Wet	15,724	14,072	22,238	42,595	72,189	57,284	32,959	40,904	15,310	21,547	15,584	31,355
1997	Wet	11,692	17,501	50,733	77,914	51,973	22,127	16,219	12,074	12,716	24,528	16,386	28,994
1998	Wet	12,399	17,728	20,020	26,829	68,230	60,524	45,021	42,782	61,518	23,530	20,460	26,639
1999	Wet	16,285	26,797	34,936	38,330	61,292	54,457	22,714	18,635	16,896	21,508	15,902	26,763
2000	Above Normal	11,052	18,111	14,507	21,734	62,490	48,327	17,808	16,081	12,262	22,767	16,790	22,183
2001	Dry	9,224	14,023	14,419	16,674	23,517	22,304	11,493	9,348	13,401	19,337	9,680	9,601
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Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Alternative 4 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,557	30,020	27,513	22,710	49,265	35,401	18,463	15,447	23,851
1923	Below Normal	12,350	17,507	25,697	25,470	17,391	11,358	20,961	15,300	12,195	20,077	15,226	14,149
1924	Critical	12,439	9,948	11,557	12,154	14,786	9,172	7,910	7,229	7,984	10,166	7,580	6,641
1925	Dry	7,267	7,586	12,385	12,055	49,374	16,630	23,171	13,702	12,502	19,342	13,127	13,280
1926	Dry	8,801	9,023	9,363	17,349	37,424	11,825	20,227	10,872	13,529	19,703	12,751	10,605
1927	Wet	7,953	21,213	19,906	31,572	73,949	41,764	42,661	24,409	18,455	22,024	16,430	29,724
1928	Above Normal	11,692	20,186	14,734	23,954	21,106	66,337	24,131	10,418	15,607	24,430	17,000	22,502
1929	Critical	11,326	13,501	11,626	12,620	16,072	12,030	8,435	8,918	10,289	9,511	10,049	6,785
1930	Dry	6,495	6,674	17,563	20,066	17,776	30,527	13,070	11,073	13,152	18,594	11,458	12,933
1931	Critical	8,068	8,183	8,223	13,390	11,476	8,434	9,593	7,514	7,701	12,947	7,581	6,650
1932	Dry	6,479	6,557	18,896	20,307	15,134	12,298	9,347	12,500	13,434	15,602	15,494	10,983
1933	Critical	8,057	7,924	9,495	14,086	12,307	13,987	9,502	8,291	10,547	9,897	9,723	7,938
1934	Critical	6,622	6,708	13,890	17,801	14,779	11,608	10,933	9,559	10,745	9,062	7,166	6,697
1935	Below Normal	6,482	11,104	9,897	26,604	13,222	25,791	40,884	18,841	15,096	19,831	14,840	14,985
1936	Below Normal	10,512	9,256	10,424	37,155	60,014	33,020	20,989	13,714	14,809	20,377	14,895	14,006
1937	Below Normal	10,818	9,673	13,891	13,301	33,772	35,919	20,819	13,896	16,916	19,022	12,895	9,780
1938	Wet	10,704	24,446	57,358	28,406	70,386	72,225	54,553	53,027	34,605	15,079	15,226	28,332
1939	Dry	12,486	14,198	13,321	10,744	12,179	9,628	9,076	9,997	9,652	19,789	14,327	14,937
1940	Above Normal	8,043	7,984	9,212	26,627	52,670	67,414	54,258	14,996	12,561	23,623	16,515	21,482
1941	Wet	11,000	13,469	33,811	62,114	65,241	60,969	49,696	38,615	16,023	17,458	15,190	30,471
1942	Wet	12,395	17,578	41,308	56,837	68,591	22,063	41,492	31,935	24,833	16,728	15,419	30,324
1943	Wet	12,739	19,369	18,279	59,437	47,795	57,278	25,374	15,485	12,442	23,065	15,781	29,731
1944	Dry	12,848	16,657	14,738	15,120	24,186	19,161	9,790	9,443	11,945	19,186	13,821	8,944
1945	Below Normal	7,958	14,515	15,961	13,127	43,599	20,961	11,814	12,189	11,430	19,745	15,820	14,210
1946	Below Normal	11,334	13,988	49,992	44,990	16,596	17,609	14,131	13,666	11,527	20,689	16,710	14,865
1947	Dry	11,780	11,380	15,155	11,571	17,514	19,670	12,723	9,629	13,148	20,150	15,109	14,698
1948	Below Normal	10,210	11,103	9,444	14,898	10,350	15,869	23,266	28,609	21,153	20,433	17,692	15,416
1949	Dry	10,947	10,278	13,338	11,363	11,828	40,251	12,881	12,539	12,515	19,984	15,600	15,477
1950	Below Normal	8,844	9,509	10,015	20,077	34,080	19,962	14,593	14,593	13,890	21,052	16,339	14,884
1951	Above Normal	13,264	45,429	74,765	55,405	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,334
1952	Wet	12,005	17,510	36,469	58,575	59,093	52,708	53,627	58,992	36,130	18,337	16,353	26,737
1953	Wet	14,524	18,773	31,170	63,289	23,066	19,544	16,407	24,432	24,943	22,448	16,818	29,946
1954	Above Normal	11,993	19,038	14,846	24,455	45,066	43,630	38,790	12,297	14,224	24,719	17,093	22,852
1955	Dry	12,018	17,162	21,728	18,862	12,759	10,748	11,502	11,925	9,872	19,832	13,265	13,100
1956	Wet	8,305	11,041	49,621	75,088	59,456	34,216	18,078	39,217	20,637	17,385	15,396	29,721
1957	Above Normal	13,292	18,893	15,019	13,341	15,241	42,344	11,687	18,507	11,701	24,534	17,172	22,452
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,388	42,063	30,066	17,284	17,194	26,985
1959	Below Normal	14,999	18,177	15,269	21,562	41,641	15,895	10,338	10,615	13,509	23,566	17,296	14,055
1960	Dry	10,449	9,554	9,505	12,884	27,060	19,474	11,495	11,370	13,066	19,912	15,880	15,791
1961	Dry	8,685	12,706	19,164	12,644	33,442	18,047	10,191	10,464	11,180	20,709	12,087	10,974
1962	Below Normal	8,067	10,037	16,538	10,764	44,338	22,969	13,280	13,310	11,964	22,566	17,342	14,802
1963	Wet	34,385	16,242	27,945	16,909	61,935	25,006	64,450	26,359	14,140	24,312	16,509	28,641
1964	Dry	13,442	23,093	13,889	22,216	13,084	10,888	10,342	11,432	10,904	19,846	14,311	15,469
1965	Wet	8,939	15,561	44,229	70,874	32,673	19,744	40,276	17,537	15,172	22,265	15,883	29,822
1966	Below Normal	12,861	20,810	13,193	24,739	22,375	21,013	13,063	11,569	22,522	12,551	22,027	15,453
1967	Wet	10,353	15,094	36,499	36,587	46,618	45,914	34,380	43,172	38,247	14,634	15,713	28,674
1968	Below Normal	14,044	16,968	15,482	23,415	49,401	32,002	10,787	11,587	12,500	23,674	16,350	14,134
1969	Wet	11,240	12,004	22,830	64,427	69,085	42,924	39,682	45,518	22,432	13,765	13,745	27,595
1970	Wet	12,189	12,989	44,236	76,866	62,399	33,433	10,847	12,694	12,745	24,894	16,547	26,644
1971	Wet	13,810	19,581	47,248	46,379	22,418	39,162	22,663	27,623	21,215	17,282	17,085	29,790
1972	Below Normal	13,860	16,104	15,291	15,876	17,106	28,192	11,446	10,963	12,644	23,381	17,049	15,296
1973	Above Normal	11,045	19,896	25,895	57,646	64,317	46,818	15,319	16,757	15,618	22,277	15,375	19,561
1974	Wet	12,917	47,863	59,346	72,442	39,326	67,942	56,272	20,678	19,501	19,850	17,256	28,528
1975	Wet	14,678	18,872	15,117	14,185	48,981	58,525	20,188	28,778	24,123	19,537	15,312	29,392
1976	Critical	15,903	19,035	15,548	11,041	12,650	13,514	10,160	6,663	8,255	17,010	9,470	11,537
1977	Critical	10,860	8,006	8,191	9,727	10,761	8,117	8,658	5,448	8,239	8,882	9,896	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,878	54,981	33,814	18,603	15,964	20,053	16,296	21,514
1979	Below Normal	12,551	15,064	15,018	21,160	28,646	24,734	13,667	14,461	12,782	20,591	16,039	13,575
1980	Above Normal	11,691	15,600	19,739	67,705	67,318	43,187	16,863	14,113	12,749	16,010	14,413	16,869
1981	Dry	11,724	12,541	15,564	20,525	25,368	25,292	13,214	9,754	13,569	19,897	15,273	15,730
1982	Wet	10,083	34,099	67,908	59,222	66,795	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,285	76,341	47,363	33,778	34,019	13,369	12,142	12,200	23,632	15,875	28,008
1985	Dry	11,243	24,681	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,152	22,508	76,675	70,754	18,197	12,973	13,207	20,919	15,261	22,539
1987	Dry	12,008	12,405	15,102	13,746	19,291	22,744	9,360	10,801	13,469	17,575	9,304	8,684
1988	Critical	7,832	7,734	17,577	25,017	13,272	7,429	11,357	9,096	10,763	16,122	9,700	6,702
1989	Dry	6,623	9,568	9,949	12,280	8,836	45,553	21,142	13,700	13,635	20,815	14,928	15,874
1990	Critical	9,897	9,181	11,161	18,385	13,394	12,269	11,389	7,988	8,003	17,815	10,504	6,894
1991	Critical	6,595	6,686	7,179	9,623	8,975	28,662	11,736	7,175	9,636	17,320	9,744	6,840
1992	Critical	6,547	6,571	6,593	10,391	27,980	18,326	11,166	9,475	13,709	14,472	10,417	7,616
1993	Above Normal	7,687	6,672	12,614	46,927	48,090	38,963	37,441	26,004	26,197	19,732	16,502	22,741
1994	Critical	13,143	14,066	15,776	12,792	21,601	11,823	12,878	10,289	8,280	19,268	13,715	10,782
1995	Wet	7,610	8,336	15,276	63,126	49,950	77,297	50,307	58,377	38,016	17,075	18,025	23,060
1996	Wet	15,719	15,449	21,769	42,516	72,094	57,290	32,957	40,904	15,311	21,546	15,583	31,354
1997	Wet	11,535	17,480	50,817	77,914	51,972	22,126	16,219	12,074	12,579	24,528	16,387	29,057
1998	Wet	12,579	17,010	20,045	27,046	68,213	60,524	45,022	42,786	61,521	23,535	20,465	26,643
1999	Wet	16,292	26,804	34,937	38,329	61,291	54,456	22,713	18,634	16,895	21,508	15,902	26,619
2000	Above Normal	11,142	18,058	14,518	21,674	62,510	48,327	17,806	16,080	12,262	22,766	16,792	22,184
2001	Dry	9,217	14,020	14,263	16,672	23,517	22,303	11,493	9,349	13,401			

Change in Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
 Alternative 4 - Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	3	-9	-5	-3	-7	-13	12	13	10
1923	Below Normal	231	873	-251	23	21	25	-33	-496	-496	-8	-122	0
1924	Critical	1,486	-496	1,688	-4	-67	12	7	4	10	-4,527	32	4
1925	Dry	5	10	5	3	-11	-2	-4	-4	-1	-57	-142	-115
1926	Dry	-490	-227	-2	2	145	-1	-11	1	4	391	126	164
1927	Wet	8	-88	1,383	-61	171	-14	12	8	4	-1	82	-22
1928	Above Normal	24	-41	0	2	2	0	-10	0	9	-30	14	32
1929	Critical	-5	24	-2	2	2	-82	0	1	3	-3	384	1
1930	Dry	1	0	11	11	10	-23	0	0	3	15	2	-5
1931	Critical	-122	-130	0	1	0	-2	0	0	1	249	17	0
1932	Dry	0	0	2	2	94	0	0	0	0	0	1,845	1,072
1933	Critical	0	0	4	2	2	2	1	-249	-3	-503	-62	-242
1934	Critical	11	6	-198	-49	8	-16	0	-1	-4	-36	3	-2
1935	Below Normal	-1	28	-6	-1	0	1	2	1	2	-3	-1	-2
1936	Below Normal	28	28	2	13	-234	3	0	0	0	49	0	73
1937	Below Normal	0	0	-2	1	1	1	1	0	646	-16	-221	5
1938	Wet	1	1	15	0	-61	0	0	0	0	0	0	998
1939	Dry	-50	966	-470	31	0	19	12	-1	1	2	-370	-168
1940	Above Normal	-1	0	-50	10	-228	-9	-10	0	-1	-6	315	440
1941	Wet	11	-117	-440	-152	0	0	0	0	0	1	1	0
1942	Wet	-35	34	0	0	0	1	2	3	3	-1	-1	477
1943	Wet	-3	-16	3	-237	4	1	1	5	3	-47	-1	114
1944	Dry	-90	622	-14	13	7	7	1	0	1	-92	10	-9
1945	Below Normal	-1	-12	-15	-14	2	0	-498	-498	-495	1	1	0
1946	Below Normal	-468	410	624	-13	164	-683	3	-1	177	1	1	0
1947	Dry	-75	1	1	0	0	10	0	1	0	1	-23	-33
1948	Below Normal	11	1	0	0	-3	0	0	-5	0	8	0	-4
1949	Dry	0	4	-1	0	0	5	0	0	0	0	0	0
1950	Below Normal	-47	0	0	37	0	0	0	0	0	-5	1	0
1951	Above Normal	-2	0	6	0	0	0	0	0	1	0	0	0
1952	Wet	0	1	3	0	0	0	1	5	9	13	0	382
1953	Wet	65	1,432	-1,300	-285	7	3	1	1	0	-1	-2	-3
1954	Above Normal	1	-144	2	110	29	2	0	1	0	0	1	1
1955	Dry	18	27	-1	0	1	0	0	0	-1	-1	-14	-262
1956	Wet	1	5	15	19	0	0	0	0	0	0	0	29
1957	Above Normal	0	1	0	0	0	-26	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	1	0	0	1	0	2
1959	Below Normal	0	92	-2	-71	-20	-1	0	0	0	12	-2	-28
1960	Dry	-37	-50	-24	-2	-2	1	0	0	0	-1	45	4
1961	Dry	83	0	-5	0	0	0	0	0	0	0	-1	-1
1962	Below Normal	0	2	1	0	0	0	0	0	0	0	0	1
1963	Wet	1	0	0	-1	-3	0	0	0	0	1	0	-34
1964	Dry	14	0	-19	4	0	0	0	0	0	0	9	1
1965	Wet	12	-2	0	0	0	1	5	0	0	4	2	3
1966	Below Normal	2	-178	5	-2	-1	189	35	0	0	14	0	-89
1967	Wet	3	-3	27	0	0	0	0	0	0	0	0	190
1968	Below Normal	-121	1,334	0	-147	-815	22	0	0	-36	45	5	1
1969	Wet	-317	-13	-19	72	0	0	0	0	0	133	0	-139
1970	Wet	136	0	-50	0	0	0	0	0	10	-3	0	-22
1971	Wet	6	-15	3	0	0	11	0	0	0	0	0	0
1972	Below Normal	0	-3	-1	-1	-1	2	0	0	0	0	0	0
1973	Above Normal	-2	0	-1	0	0	0	0	0	0	-1	0	1,116
1974	Wet	-694	-273	1	0	-2	0	0	1	2	-1	0	543
1975	Wet	-7	-138	2	-2	-340	28	-3	-1	-1	0	-2	0
1976	Critical	25	31	0	0	0	0	0	0	0	43	-46	2
1977	Critical	-46	-4	-9	5	-7	0	0	0	0	0	-8	0
1978	Above Normal	0	0	0	0	0	9	0	-1	4	11	9	11
1979	Below Normal	-3	613	13	11	-125	4	11	1	-1	-1	-1	1,341
1980	Above Normal	1,009	-197	5	-644	2	-2	-3	-3	-2	-7	-658	3,704
1981	Dry	-499	-1,900	0	-306	-1,082	-7	-5	-4	2	4	-53	-150
1982	Wet	160	466	-38	-2	1	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	1
1985	Dry	0	-1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	1,158	-1,124
1987	Dry	6	416	-9	14	8	2	1	-1	-3	-217	-45	-5
1988	Critical	-1	0	-1	-1	0	2	0	0	0	-37	-6	0
1989	Dry	0	-4	-3	-3	-1	3	0	0	0	0	-105	-4
1990	Critical	21	-3	36	-2	-1	-1	0	0	0	0	2	0
1991	Critical	0	0	-2	5	-2	-2	-2	-1	0	-44	18	-3
1992	Critical	0	0	-5	-3	-2	-2	0	0	0	-8	-1	-5
1993	Above Normal	-1	0	-2	-1	-1	42	0	1	3	0	0	0
1994	Critical	0	-22	0	-2	-2	-1	0	0	0	0	3	0
1995	Wet	0	-1	-1	-4	0	0	-1	-1	-1	-44	1	1
1996	Wet	-5	1,377	-470	-80	-95	6	-2	0	1	0	-1	-1
1997	Wet	-158	-21	84	0	-1	-1	0	0	-137	0	0	63
1998	Wet	180	-718	25	218	-17	0	0	4	3	4	4	5
1999	Wet	7	6	1	-1	-1	-1	-1	-1	-1	0	0	-144
2000	Above Normal	90	-53	11	-60	21	-1	-2	-1	0	-1	1	2
2001	Dry	-7	-3	-156	-3	0	-1	0	0	1	173	-43	2
2002	Dry	0	-1	-1	5	-2	-1	0	0	0	0	-104	197
2003	Above Normal	0	-7	-72	1	-1	-1	-1	-1	0	0	0	4

X2 Position (Node X2_PRV)

Existing Condition (km)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	90	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	89
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	58	53	60	63	73	81	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	84	82	79	78	79	83	86	88	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	65	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	65	68	76	82	86	89
1946	Below Normal	90	90	56	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	49	57	70	83	74
1953	Wet	74	76	63	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	91	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	70	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	52	56	68	83	74
1968	Below Normal	74	76	81	71	52	58	67	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	51	58	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	68	77	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	91	83	78	50	47	49	61	65	70	78	84	81
1981	Dry	81	81	83	74	64	62	68	74	81	85	88	89
1982	Wet	90	71	49	48	48	48	47	52	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	64	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	54	62	73	74
1996	Wet	74	75	70	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	61	65	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	60	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

X2 Position (Node X2_PRV)

Alternative 4 (km)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	89	90	90	87	79	76	79	85	89	90	91	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	90
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	77	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	90	91	90	83	59	53	60	64	73	80	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	85	82	79	78	79	83	86	89	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	66	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	66	69	77	82	86	89
1946	Below Normal	90	90	55	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	50	57	70	83	74
1953	Wet	74	76	64	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	92	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	69	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	53	57	69	84	74
1968	Below Normal	74	76	81	71	52	58	68	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	52	59	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	69	78	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	90	83	78	50	47	50	61	65	70	78	84	81
1981	Dry	81	81	83	74	65	62	68	74	81	85	88	89
1982	Wet	90	70	49	48	48	48	47	53	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	65	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	55	62	74	74
1996	Wet	74	75	71	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	62	66	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	61	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

CalSim II Modeling Attachment: Alternative Plan 5, Existing Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

August 2014

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 5 (cfs)
 SVI

Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1927	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	466	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1936	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1937	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1938	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1939	Dry	1,015	350	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1941	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1942	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1943	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1952	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1956	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1967	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	100	362
1969	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1970	Above Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1974	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	466	121	100	362
1978	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1979	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1980	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1982	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1983	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1986	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1995	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1996	Wet	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1997	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1998	Wet	1,015	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
 Alternative 5 - Existing Condition (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	2	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	79	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Restoration Release from Millerton Reservoir to San Joaquin River (Node C18M)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%
1978	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Below Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,057	1,618	1,489	679	350	350	350	350	466	121	246	431
1923	Above Normal	1,015	1,618	350	350	350	350	350	160	136	121	100	110
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1926	Dry	1,015	984	350	350	350	350	350	350	466	121	100	379
1927	Above Normal	1,015	1,618	352	494	350	350	350	350	466	121	100	350
1928	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	465	121	100	350
1932	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1933	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,015	1,618	350	485	350	350	350	350	466	121	100	1,190
1936	Above Normal	1,123	1,680	1,429	350	350	350	350	350	466	121	100	1,780
1937	Wet	2,556	2,817	3,437	1,420	350	350	350	350	466	198	482	2,460
1938	Wet	5,363	6,640	7,684	5,072	1,224	350	350	350	466	121	144	362
1939	Dry	1,015	358	350	350	350	350	350	350	466	121	100	350
1940	Above Normal	1,015	1,618	973	350	350	350	350	350	466	121	100	2,361
1941	Wet	1,083	1,618	2,704	2,089	350	350	350	350	466	121	803	520
1942	Wet	1,015	1,618	350	402	350	350	350	350	466	121	2,192	651
1943	Wet	2,799	2,042	1,266	350	350	350	350	350	466	121	100	350
1944	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	2,512
1945	Above Normal	1,015	1,618	350	350	350	350	350	350	466	219	419	372
1946	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	108	391
1947	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1950	Below Normal	1,015	984	350	350	350	350	350	350	466	3,226	1,220	719
1951	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	463
1952	Wet	2,207	3,064	4,691	3,444	350	350	350	350	466	121	201	378
1953	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1954	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1955	Dry	1,015	984	350	350	350	350	350	350	466	2,210	4,253	724
1956	Wet	1,045	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1957	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1958	Wet	2,292	2,807	4,261	2,462	350	350	350	350	466	121	100	362
1959	Dry	1,015	984	350	350	350	350	350	350	466	121	100	350
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	503
1963	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
1964	Dry	1,015	350	350	350	350	350	350	350	466	121	681	876
1965	Wet	1,015	1,618	350	350	350	350	350	350	466	121	234	378
1966	Below Normal	1,015	984	350	350	350	350	350	350	466	121	154	508
1967	Wet	1,095	3,064	4,095	3,379	3,869	350	350	350	466	121	100	350
1968	Dry	1,015	350	350	350	350	350	350	350	466	121	2,199	3,546
1969	Wet	5,334	7,014	7,385	8,220	1,758	350	350	350	466	121	249	373
1970	Above Normal	1,032	984	350	350	350	350	350	350	466	121	100	362
1971	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	350
1972	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
1973	Above Normal	1,015	1,618	1,424	445	350	350	350	350	466	121	1,294	422
1974	Wet	1,015	1,814	470	350	350	350	350	350	466	121	100	362
1975	Wet	1,015	1,618	350	356	350	350	350	160	136	121	100	110
1976	Critical	1,015	200	215	215	255	255	260	160	82	121	100	104
1977	Critical	130	150	190	190	230	230	210	350	387	121	100	2,083
1978	Wet	2,404	4,393	4,479	4,962	1,727	350	350	350	466	121	245	396
1979	Above Normal	1,214	1,618	1,153	350	350	350	350	350	466	121	2,757	3,692
1980	Wet	2,168	1,618	1,658	2,265	1,092	350	350	350	466	121	118	365
1981	Dry	1,015	984	350	350	350	350	350	350	466	121	100	1,139
1982	Wet	1,196	5,512	4,741	3,119	350	350	350	1,309	1,641	3,430	3,652	3,689
1983	Wet	5,582	7,467	7,667	9,052	5,367	350	350	350	889	3,112	886	373
1984	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
1985	Dry	1,015	984	350	350	350	350	350	350	466	121	100	4,798
1986	Wet	4,367	1,819	3,244	2,452	350	350	350	350	466	121	100	362
1987	Critical	1,015	350	350	350	350	350	350	350	466	121	100	350
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	427
1993	Wet	1,047	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1994	Critical	1,015	350	350	350	350	350	350	350	466	121	181	720
1995	Wet	3,743	3,476	4,724	5,024	6,422	350	350	350	466	121	100	464
1996	Wet	2,549	1,668	1,012	496	350	350	350	350	466	2,241	10,309	2,294
1997	Wet	1,050	1,618	2,337	1,658	350	350	350	350	466	121	100	2,732
1998	Wet	2,344	2,839	3,986	4,979	5,121	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	350
2000	Above Normal	1,015	1,618	350	350	350	350	350	350	466	121	100	362
2001	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2002	Dry	1,015	984	350	350	350	350	350	350	466	121	100	362
2003	Below Normal	1,015	1,618	350	350	350	350	350	n/a	n/a	n/a	n/a	n/a

Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)

Alternative 5 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,093	1,698	480	578	623	532	390	389	493	173	119	463
1923	Above Normal	1,112	1,718	512	636	691	578	400	209	170	186	213	232
1924	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1925	Below Normal	1,119	1,091	523	654	713	592	404	402	502	190	221	496
1926	Dry	1,120	1,092	525	657	717	595	404	402	503	191	222	498
1927	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	472
1928	Below Normal	1,116	1,088	518	646	703	586	402	400	501	188	217	493
1929	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1930	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1931	Critical	1,015	200	215	215	255	255	260	350	466	121	100	350
1932	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1933	Dry	1,119	1,092	524	656	716	594	404	402	502	190	222	498
1934	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1935	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	472
1936	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	100	362
1937	Wet	1,112	1,618	383	636	691	578	400	399	500	121	100	505
1938	Wet	2,441	4,525	4,752	3,442	1,158	350	350	350	466	121	100	362
1939	Dry	1,015	451	512	636	691	578	400	399	500	186	213	472
1940	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	100	377
1941	Wet	1,093	1,698	1,788	1,886	623	532	390	389	493	173	100	463
1942	Wet	1,093	1,698	480	578	623	532	390	389	493	173	100	463
1943	Wet	1,101	1,706	493	601	650	550	394	393	496	178	200	457
1944	Below Normal	1,112	1,085	512	636	691	578	400	399	500	186	213	488
1945	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1946	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1947	Dry	1,112	1,085	512	636	691	578	400	399	500	186	213	472
1948	Below Normal	1,015	984	350	350	350	350	350	350	466	121	100	362
1949	Below Normal	1,104	1,076	499	612	663	558	396	395	497	180	204	478
1950	Below Normal	1,117	1,089	520	649	707	588	403	401	502	121	100	494
1951	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	377
1952	Wet	1,093	1,618	1,658	1,658	350	350	350	350	466	121	100	362
1953	Below Normal	1,015	1,085	512	636	691	578	400	399	500	186	213	488
1954	Below Normal	1,115	1,088	517	644	702	584	402	400	501	188	217	492
1955	Dry	1,120	1,092	525	658	718	595	404	402	503	191	222	350
1956	Wet	1,015	1,698	1,788	1,886	623	532	390	389	493	173	191	463
1957	Below Normal	1,112	1,085	512	636	691	578	400	399	500	186	213	488
1958	Wet	1,112	1,718	1,658	1,658	350	350	350	350	466	121	100	362
1959	Dry	1,015	1,085	512	636	691	578	400	399	500	186	213	472
1960	Critical	1,015	350	350	350	350	350	350	160	136	121	100	114
1961	Critical	1,015	200	215	215	255	255	260	350	466	121	100	362
1962	Below Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1963	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	472
1964	Dry	1,113	451	513	637	694	579	401	399	500	186	214	489
1965	Wet	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1966	Below Normal	1,112	1,085	512	636	691	578	400	399	500	186	213	488
1967	Wet	1,093	1,618	1,658	1,658	350	350	350	350	466	121	100	350
1968	Dry	1,015	451	512	636	691	578	400	399	500	186	100	362
1969	Wet	2,241	2,776	4,531	4,532	1,683	350	350	350	466	121	100	362
1970	Above Normal	1,015	1,079	504	621	674	566	398	396	498	182	208	482
1971	Below Normal	1,112	1,085	512	636	691	578	400	399	500	186	213	472
1972	Dry	1,104	1,076	498	611	661	558	396	394	497	180	203	477
1973	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
1974	Wet	1,112	1,718	350	636	691	578	400	399	500	186	213	488
1975	Wet	1,112	1,718	512	636	691	578	400	209	170	186	213	232
1976	Critical	1,118	307	387	518	617	496	313	212	118	190	220	237
1977	Critical	130	150	190	190	230	230	210	350	466	121	100	362
1978	Wet	1,015	1,618	1,658	1,886	623	532	390	389	493	173	191	463
1979	Above Normal	1,104	1,710	499	611	662	558	396	394	497	180	100	350
1980	Wet	1,015	1,618	1,788	1,886	623	532	390	389	493	173	191	463
1981	Dry	1,112	1,085	512	636	691	578	400	399	500	186	213	488
1982	Wet	1,093	1,618	1,658	1,658	350	350	350	350	1,667	3,029	3,497	3,530
1983	Wet	5,449	7,290	7,489	8,487	5,281	350	350	350	891	3,087	861	350
1984	Above Normal	1,015	1,698	480	578	623	532	390	389	493	173	191	463
1985	Dry	1,112	1,085	512	636	691	578	400	399	500	186	213	488
1986	Wet	1,015	1,618	1,658	1,886	623	532	390	389	493	173	191	463
1987	Critical	1,112	451	512	636	691	578	400	399	500	186	213	472
1988	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1989	Critical	1,015	984	350	350	350	350	350	350	466	121	100	362
1990	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1991	Critical	1,015	984	350	350	350	350	350	350	466	121	100	350
1992	Critical	1,015	350	350	350	350	350	350	350	466	121	100	362
1993	Wet	1,112	1,718	1,820	1,943	691	578	400	399	500	186	213	488
1994	Critical	1,115	453	516	642	699	583	401	400	501	187	216	491
1995	Wet	1,093	1,618	1,658	1,886	2,772	532	390	389	493	173	191	447
1996	Wet	2,273	1,868	646	578	623	532	390	389	493	173	4,988	1,065
1997	Wet	1,093	1,698	1,822	1,886	623	532	390	389	493	173	191	463
1998	Wet	1,078	1,618	1,658	1,658	4,396	350	350	350	466	121	100	362
1999	Above Normal	1,015	1,710	499	612	663	559	396	395	497	180	204	462
2000	Above Normal	1,112	1,718	512	636	691	578	400	399	500	186	213	488
2001	Dry	1,112	1,085	512	636	691	578	400	399	500	186	213	488
2002	Dry	1,096	1,067	485	587	633	539	392	390	494	175	194	467
2003	Below Normal	1,117	1,723	519	648	706	587	402	n/a	n/a	n/a	n/a	n/a

Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	36	81	-1,010	-100	273	182	40	39	27	52	-127	32
1923	Above Normal	98	101	163	286	342	228	50	49	34	65	114	122
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	104	107	173	304	363	242	54	52	36	69	121	134
1926	Dry	105	109	175	307	368	245	54	53	36	70	123	119
1927	Above Normal	98	101	161	142	342	228	50	49	34	65	114	122
1928	Below Normal	101	104	168	296	354	236	52	51	35	67	118	130
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	2	0	0	0
1932	Above Normal	98	101	163	286	342	228	50	49	34	65	114	126
1933	Dry	105	108	174	306	366	244	54	52	36	70	122	135
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	98	101	163	151	342	228	50	49	34	65	114	-718
1936	Above Normal	-11	39	-916	286	342	228	50	49	34	65	0	-1,418
1937	Wet	-1,444	-1,200	-3,055	-785	342	228	50	49	34	-77	-382	-1,955
1938	Wet	-2,922	-2,115	-2,932	-1,630	-66	0	0	0	0	0	-45	0
1939	Dry	0	93	163	286	342	228	50	49	34	65	114	122
1940	Above Normal	98	101	-460	286	342	228	50	49	34	65	0	-1,984
1941	Wet	10	81	-916	-203	273	182	40	39	27	52	-703	-57
1942	Wet	78	81	130	177	273	182	40	39	27	52	-2,093	-187
1943	Wet	-1,698	-336	-774	251	300	200	44	43	30	57	100	107
1944	Below Normal	98	101	163	286	342	228	50	49	34	65	114	-2,023
1945	Above Normal	98	101	163	286	342	228	50	49	34	-34	-206	116
1946	Above Normal	98	101	163	286	342	228	50	49	34	65	105	98
1947	Dry	98	101	163	286	342	228	50	49	34	65	114	122
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	89	92	149	262	313	209	46	45	31	60	104	115
1950	Below Normal	102	106	170	299	358	238	53	51	35	-3,105	-1,121	-225
1951	Above Normal	98	101	163	286	342	228	50	49	34	65	114	-86
1952	Wet	-1,114	-1,446	-3,033	-1,786	0	0	0	0	0	0	-101	-15
1953	Below Normal	0	101	163	286	342	228	50	49	34	65	114	126
1954	Below Normal	100	104	167	294	352	234	52	50	35	67	117	130
1955	Dry	105	109	175	308	368	245	54	53	36	-2,019	-4,031	-374
1956	Wet	-31	81	130	229	273	182	40	39	27	52	91	101
1957	Below Normal	98	101	163	286	342	228	50	49	34	65	114	126
1958	Wet	-1,179	-1,088	-2,604	-805	0	0	0	0	0	0	0	0
1959	Dry	0	101	163	286	342	228	50	49	34	65	114	122
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	98	101	163	286	342	228	50	49	34	65	114	-15
1963	Above Normal	98	101	163	286	342	228	50	49	34	65	114	122
1964	Dry	98	101	164	287	344	229	51	49	34	65	-467	-386
1965	Wet	98	101	163	286	342	228	50	49	34	65	-21	110
1966	Below Normal	98	101	163	286	342	228	50	49	34	65	59	-19
1967	Wet	-2	-1,447	-2,437	-1,722	-3,519	0	0	0	0	0	0	0
1968	Dry	0	101	163	286	342	228	50	49	34	65	-2,099	-3,183
1969	Wet	-3,093	-4,238	-2,854	-3,687	-75	0	0	0	0	0	-150	-11
1970	Above Normal	-17	96	154	271	324	216	48	46	32	62	108	120
1971	Below Normal	98	101	163	286	342	228	50	49	34	65	114	122
1972	Dry	89	92	148	261	312	208	46	45	31	59	104	115
1973	Above Normal	98	101	-911	190	342	228	50	49	34	65	-1,081	67
1974	Wet	98	-95	-120	286	342	228	50	49	34	65	114	126
1975	Wet	98	101	163	280	342	228	50	49	34	65	114	122
1976	Critical	103	107	172	303	362	241	53	52	36	69	121	133
1977	Critical	0	0	0	0	0	0	0	0	79	0	0	-1,720
1978	Wet	-1,389	-2,775	-2,822	-3,076	-1,104	182	40	39	27	52	-55	67
1979	Above Normal	-110	92	-654	261	312	208	46	45	31	60	-2,657	-3,342
1980	Wet	-1,153	0	130	-379	-469	182	40	39	27	52	73	99
1981	Dry	98	101	163	286	342	228	50	49	34	65	114	-651
1982	Wet	-103	-3,894	-3,084	-1,462	0	0	0	-959	26	-400	-154	-159
1983	Wet	-133	-177	-179	-565	-86	0	0	0	2	-25	-25	-23
1984	Above Normal	0	81	130	229	273	182	40	39	27	52	91	101
1985	Dry	98	101	163	286	342	228	50	49	34	65	114	-4,310
1986	Wet	-3,352	-202	-1,587	-566	273	182	40	39	27	52	91	101
1987	Critical	98	101	163	286	342	228	50	49	34	65	114	122
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-64
1993	Wet	65	101	163	286	342	228	50	49	34	65	114	126
1994	Critical	100	103	166	292	350	233	52	50	34	67	35	-228
1995	Wet	-2,650	-1,859	-3,066	-3,138	-3,650	182	40	39	27	52	91	-16
1996	Wet	-276	199	-366	82	273	182	40	39	27	-2,068	-5,321	-1,230
1997	Wet	43	81	-515	229	273	182	40	39	27	52	91	-2,269
1998	Wet	-1,265	-1,222	-2,328	-3,321	-724	0	0	0	0	0	0	0
1999	Above Normal	0	92	149	262	313	209	46	45	31	60	104	112
2000	Above Normal	98	101	163	286	342	228	50	49	34	65	114	126
2001	Dry	98	101	163	286	342	228	50	49	34	65	114	126
2002	Dry	81	84	135	237	283	189	42	40	28	54	94	105
2003	Below Normal	102	105	170	298	356	237	53	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated Total Millerton Release to San Joaquin River (Node C18 + C18_Extra)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	3%	5%	-68%	-15%	78%	52%	12%	11%	6%	43%	-52%	7%
1923	Above Normal	10%	6%	46%	82%	98%	65%	14%	30%	25%	54%	114%	110%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Below Normal	10%	11%	49%	87%	104%	69%	15%	15%	8%	57%	122%	37%
1926	Dry	10%	11%	50%	88%	105%	70%	16%	15%	8%	58%	123%	31%
1927	Above Normal	10%	6%	46%	29%	98%	65%	14%	14%	7%	54%	114%	35%
1928	Below Normal	10%	11%	48%	85%	101%	67%	15%	14%	7%	56%	118%	36%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1933	Dry	10%	11%	50%	88%	105%	70%	15%	15%	8%	58%	123%	37%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Above Normal	10%	6%	46%	31%	98%	65%	14%	14%	7%	54%	114%	-60%
1936	Above Normal	-1%	2%	-64%	82%	98%	65%	14%	14%	7%	54%	0%	-80%
1937	Wet	-56%	-43%	-89%	-55%	98%	65%	14%	14%	7%	-53%	-79%	-79%
1938	Wet	-54%	-32%	-38%	-32%	-5%	0%	0%	0%	0%	0%	-31%	0%
1939	Dry	0%	26%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1940	Above Normal	10%	6%	-47%	82%	98%	65%	14%	14%	7%	54%	0%	-84%
1941	Wet	1%	5%	-34%	-10%	78%	52%	12%	11%	6%	43%	-88%	-11%
1942	Wet	8%	5%	37%	44%	78%	52%	12%	11%	6%	43%	-95%	-29%
1943	Wet	-61%	-16%	-61%	72%	86%	57%	13%	12%	6%	47%	100%	31%
1944	Below Normal	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	-81%
1945	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	-15%	-49%	31%
1946	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	97%	25%
1947	Dry	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Below Normal	9%	9%	43%	75%	89%	60%	13%	13%	7%	49%	105%	32%
1950	Below Normal	10%	11%	49%	85%	102%	68%	15%	15%	8%	-96%	-92%	-31%
1951	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	114%	-19%
1952	Wet	-50%	-47%	-65%	-52%	0%	0%	0%	0%	0%	0%	-50%	-4%
1953	Below Normal	0%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1954	Below Normal	10%	11%	48%	84%	101%	67%	15%	14%	7%	56%	118%	36%
1955	Dry	10%	11%	50%	88%	105%	70%	16%	15%	8%	-91%	-85%	-52%
1956	Wet	-3%	5%	8%	14%	78%	52%	12%	11%	6%	43%	91%	28%
1957	Below Normal	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1958	Wet	-51%	-39%	-61%	-33%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1960	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	114%	-3%
1963	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1964	Dry	10%	29%	47%	82%	98%	65%	14%	14%	7%	54%	-69%	-44%
1965	Wet	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	-9%	29%
1966	Below Normal	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	38%	-4%
1967	Wet	0%	-47%	-60%	-51%	-91%	0%	0%	0%	0%	0%	0%	0%
1968	Dry	0%	29%	46%	82%	98%	65%	14%	14%	7%	54%	-95%	-90%
1969	Wet	-58%	-60%	-39%	-45%	-4%	0%	0%	0%	0%	0%	-60%	-3%
1970	Above Normal	-2%	10%	44%	78%	93%	62%	14%	13%	7%	51%	109%	33%
1971	Below Normal	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1972	Dry	9%	9%	42%	74%	89%	59%	13%	13%	7%	49%	104%	32%
1973	Above Normal	10%	6%	-64%	43%	98%	65%	14%	14%	7%	54%	-84%	16%
1974	Wet	10%	-5%	-26%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1975	Wet	10%	6%	46%	79%	98%	65%	14%	30%	25%	54%	114%	110%
1976	Critical	10%	53%	80%	141%	142%	95%	21%	32%	43%	57%	121%	129%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	-83%
1978	Wet	-58%	-63%	-63%	-62%	-64%	52%	12%	11%	6%	43%	-22%	17%
1979	Above Normal	-9%	6%	-57%	75%	89%	60%	13%	13%	7%	49%	-96%	-91%
1980	Wet	-53%	0%	8%	-17%	-43%	52%	12%	11%	6%	43%	62%	27%
1981	Dry	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	-57%
1982	Wet	-9%	-71%	-65%	-47%	0%	0%	0%	-73%	2%	-12%	-4%	-4%
1983	Wet	-2%	-2%	-2%	-6%	-2%	0%	0%	0%	0%	-1%	-3%	-6%
1984	Above Normal	0%	5%	37%	65%	78%	52%	12%	11%	6%	43%	91%	28%
1985	Dry	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	-90%
1986	Wet	-77%	-11%	-49%	-23%	78%	52%	12%	11%	6%	43%	91%	28%
1987	Critical	10%	29%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-15%
1993	Wet	6%	6%	10%	17%	98%	65%	14%	14%	7%	54%	114%	35%
1994	Critical	10%	29%	48%	84%	100%	67%	15%	14%	7%	55%	114%	-32%
1995	Wet	-71%	-53%	-65%	-62%	-57%	52%	12%	11%	6%	43%	91%	-4%
1996	Wet	-11%	12%	-36%	17%	78%	52%	12%	11%	6%	43%	-92%	-52%
1997	Wet	4%	5%	-22%	14%	78%	52%	12%	11%	6%	43%	91%	-83%
1998	Wet	-54%	-43%	-58%	-67%	-14%	0%	0%	0%	0%	0%	0%	0%
1999	Above Normal	0%	6%	43%	75%	89%	60%	13%	13%	7%	49%	105%	32%
2000	Above Normal	10%	6%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
2001	Dry	10%	10%	46%	82%	98%	65%	14%	14%	7%	54%	114%	35%
2002	Dry	8%	9%	39%	68%	81%	54%	12%	12%	6%	45%	95%	29%
2003	Below Normal	10%	6%	48%	85%	102%	68%	15%	n/a	n/a	n/a	n/a	n/a

Simulated Merced River Inflow to San Joaquin River (Node C566)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	684	582	159	757	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	49	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	494	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	329	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	82	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	117	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	640	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,414	236	145	338	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,022	435	558	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	223	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	521	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	426	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	747	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	478	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,390	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	547	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	394	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	83	44
1978	Wet	268	282	350	516	824	584	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,071	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	385	240	149	114	390
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Merced River Inflow to San Joaquin River (Node C566)

Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	292	368	486	482	879	748	28	1,251	3,357	1,387	867	453
1923	Above Normal	469	304	962	1,270	1,017	261	209	685	582	159	756	598
1924	Critical	593	385	382	396	320	273	253	43	63	88	45	49
1925	Below Normal	282	419	425	428	689	421	769	533	214	116	77	54
1926	Dry	266	354	375	375	336	271	493	622	61	51	37	51
1927	Above Normal	274	322	313	381	441	280	188	649	166	136	84	89
1928	Below Normal	426	352	389	361	493	341	330	202	271	179	88	80
1929	Critical	296	387	387	408	435	328	670	300	129	49	54	92
1930	Critical	276	367	359	361	375	303	675	346	31	56	35	93
1931	Critical	276	385	372	382	408	292	99	98	84	124	76	75
1932	Above Normal	266	363	475	469	691	383	531	450	94	109	57	58
1933	Dry	310	386	383	426	371	337	554	279	78	60	41	30
1934	Critical	298	383	405	466	469	311	416	282	113	113	66	29
1935	Above Normal	282	389	409	580	428	587	344	854	230	182	100	55
1936	Above Normal	368	410	385	428	2,770	665	811	1,330	132	271	820	441
1937	Wet	707	424	417	416	4,208	1,251	311	2,281	562	597	812	446
1938	Wet	442	401	2,035	1,341	4,928	4,767	1,521	3,341	4,530	2,238	1,159	596
1939	Dry	833	397	383	443	509	453	641	583	135	67	73	68
1940	Above Normal	331	424	418	573	489	280	419	1,413	236	145	337	416
1941	Wet	459	427	1,286	1,340	3,119	1,858	842	3,103	2,347	1,749	1,069	508
1942	Wet	718	447	1,183	1,528	1,720	517	522	1,180	2,978	1,651	1,021	509
1943	Wet	494	549	783	2,172	1,974	3,163	910	1,132	435	449	941	490
1944	Below Normal	475	459	436	414	532	345	816	720	391	172	136	88
1945	Above Normal	357	489	446	441	2,450	834	450	729	222	934	937	421
1946	Above Normal	840	640	1,862	1,067	829	469	670	689	303	170	129	81
1947	Dry	520	532	963	621	869	323	516	101	147	65	80	76
1948	Below Normal	319	397	398	388	299	313	786	429	197	182	100	97
1949	Below Normal	348	404	386	402	394	359	527	101	263	121	121	70
1950	Below Normal	326	394	394	428	403	390	441	147	329	162	130	77
1951	Above Normal	329	402	1,865	1,733	1,641	454	282	521	308	186	116	63
1952	Wet	347	417	460	2,036	1,317	1,922	1,245	3,703	3,081	1,943	1,231	621
1953	Below Normal	450	428	334	1,080	727	358	427	267	190	140	126	55
1954	Below Normal	360	405	403	406	439	277	393	252	277	167	131	81
1955	Dry	314	392	409	537	442	338	423	240	146	120	113	55
1956	Wet	311	386	133	3,818	1,983	498	580	1,355	2,383	1,954	1,152	610
1957	Below Normal	580	422	409	411	406	364	393	177	332	195	154	81
1958	Wet	424	381	405	481	721	1,906	2,986	3,555	2,730	1,720	1,123	675
1959	Dry	483	395	382	395	564	335	748	651	172	107	116	94
1960	Critical	307	374	383	397	451	343	696	487	164	101	127	49
1961	Critical	286	365	387	372	395	321	166	200	143	70	55	40
1962	Below Normal	264	341	359	360	681	975	850	1,047	446	253	182	78
1963	Above Normal	346	362	376	376	410	467	776	1,314	454	277	194	158
1964	Dry	411	397	398	404	316	320	588	352	197	163	114	77
1965	Wet	346	356	528	1,780	497	355	527	1,133	444	257	228	285
1966	Below Normal	474	866	812	1,055	724	346	480	345	257	206	165	79
1967	Wet	293	366	400	408	424	1,388	1,756	2,666	4,147	4,063	1,494	797
1968	Dry	747	411	330	382	500	358	683	664	249	196	177	130
1969	Wet	275	431	434	992	4,196	1,534	2,098	5,555	4,141	2,433	1,233	711
1970	Above Normal	825	320	444	2,940	1,265	917	777	882	329	256	222	150
1971	Below Normal	383	375	359	425	384	331	604	592	314	256	188	102
1972	Dry	359	386	423	270	340	263	452	292	281	240	222	18
1973	Above Normal	309	412	432	474	889	652	435	2,048	275	546	1,038	574
1974	Wet	815	776	1,095	1,690	870	1,126	325	2,088	393	841	1,054	586
1975	Wet	667	350	409	307	2,026	1,073	423	1,340	1,763	1,163	1,062	533
1976	Critical	1,107	357	362	392	370	291	705	354	255	175	205	136
1977	Critical	354	311	322	373	253	234	569	361	173	130	81	44
1978	Wet	268	282	350	516	824	582	219	566	4,016	2,613	1,294	1,369
1979	Above Normal	509	579	441	1,541	1,932	1,485	556	1,306	355	262	731	443
1980	Wet	698	374	392	3,976	4,525	1,490	773	596	2,222	2,284	1,248	583
1981	Dry	629	398	444	479	452	479	713	566	240	168	168	97
1982	Wet	401	405	414	484	2,070	2,297	4,921	3,385	1,922	2,249	1,390	1,170
1983	Wet	1,344	1,754	2,298	3,657	4,416	6,069	1,408	2,947	7,343	5,943	2,444	1,100
1984	Above Normal	1,196	1,802	3,551	1,903	1,596	512	362	1,056	328	291	277	217
1985	Dry	526	338	334	446	752	371	583	444	274	236	206	100
1986	Wet	405	395	408	380	3,405	4,143	921	1,748	1,415	946	1,113	737
1987	Critical	558	416	418	381	380	393	588	276	183	130	135	87
1988	Critical	356	340	375	377	305	246	301	230	201	97	92	52
1989	Critical	256	274	322	304	310	339	165	41	142	68	62	67
1990	Critical	305	303	327	310	346	205	110	181	146	72	68	26
1991	Critical	248	258	274	292	205	359	200	168	146	97	54	10
1992	Critical	270	289	297	291	352	298	201	139	139	82	67	11
1993	Wet	206	313	350	684	449	438	73	63	1,638	1,492	1,085	640
1994	Critical	739	369	334	315	381	186	334	131	142	76	54	2
1995	Wet	239	327	317	611	386	3,570	1,035	3,031	5,130	4,891	1,700	509
1996	Wet	474	379	365	844	3,009	1,633	673	1,834	290	374	903	480
1997	Wet	613	845	3,494	9,912	2,144	1,191	760	499	240	149	114	274
1998	Wet	389	336	356	1,396	5,205	2,115	1,235	1,064	5,045	4,614	1,499	759
1999	Above Normal	741	382	296	820	2,026	362	555	1,170	292	174	196	100
2000	Above Normal	285	345	318	325	1,989	1,137	722	1,311	242	175	112	59
2001	Dry	380	496	392	389	391	365	326	207	244	74	84	25
2002	Dry	239	403	390	449	307	249	646	289	172	90	61	2
2003	Below Normal	227	316	353	327	287	241	251	513	160	80	66	41

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Existing Condition (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	515	1,062	1,438	1,170	3,946	3,113	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,462	2,252	1,534	2,485	1,260	907	278	840	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,021	494	145	132	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	939	192	61	90	534
1927	Above Normal	503	1,312	918	848	2,869	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,502	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	945	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,929	2,382	2,860	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	10,479	4,847	3,471	5,652	952	696	892	949
1938	Wet	690	1,321	3,705	3,085	13,421	17,288	9,804	13,009	9,480	2,490	1,293	1,126
1939	Dry	1,148	1,382	874	869	1,429	1,810	1,071	889	283	93	126	632
1940	Above Normal	609	1,108	845	2,221	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,345	8,907	4,884	3,560	5,828	4,214	1,919	1,186	1,029
1942	Wet	985	1,357	2,203	3,126	3,378	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	5,894	3,405	8,308	3,029	1,737	658	610	1,022	977
1944	Below Normal	723	1,335	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	6,340	3,365	2,303	1,161	521	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	206	194	568
1947	Dry	779	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	6,680	4,077	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,547	2,644	6,515	4,672	9,170	6,072	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	5,651	10,548	5,009	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,779	9,122	7,615	4,760	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,473	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,549	1,561	1,707	2,840	1,543	701	327	336	789
1966	Below Normal	713	2,088	1,482	1,676	1,714	1,525	1,267	590	372	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,515	8,592	8,332	7,405	6,065	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	7,382	16,131	12,297	12,746	15,291	14,063	3,062	1,334	1,234
1970	Above Normal	1,124	1,277	935	5,402	2,453	2,814	1,631	1,156	519	292	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	283	242	584
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	3,304	1,791	3,038	2,610	2,485	591	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,211	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	982	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	772	802	1,986	5,563	6,239	9,003	6,666	8,429	2,704	1,381	1,927
1979	Above Normal	731	1,320	883	2,422	3,699	3,939	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	8,667	11,878	7,878	2,410	2,244	4,000	2,374	1,314	1,069
1981	Dry	851	1,203	886	970	1,257	1,813	1,583	746	338	195	221	580
1982	Wet	681	1,160	921	1,862	4,221	5,874	14,647	9,622	4,541	2,356	1,492	1,775
1983	Wet	1,684	5,177	11,197	14,233	17,664	22,797	13,906	13,974	18,260	11,028	2,570	1,705
1984	Above Normal	1,909	5,396	10,022	6,043	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	11,828	13,251	5,080	5,207	3,304	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,259	2,542	1,859	1,671	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,423	2,092	10,475	6,197	9,824	9,607	9,191	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,231	4,294	2,482	2,240	463	461	1,001	984
1997	Wet	881	2,179	9,675	32,141	8,846	2,564	2,249	2,231	1,581	184	178	875
1998	Wet	628	1,119	814	2,665	13,014	6,322	7,551	8,215	11,954	9,055	1,586	1,280
1999	Above Normal	1,008	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,929	3,299	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,249	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Flow at San Joaquin River Below Merced River (Node C620)

Alternative 5 (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	515	1,062	1,438	1,170	3,961	3,142	2,023	1,919	3,615	1,475	951	940
1923	Above Normal	726	1,319	2,082	2,268	2,210	1,534	2,485	1,260	907	278	840	1,148
1924	Critical	769	853	825	758	849	1,183	274	54	0	0	0	335
1925	Below Normal	484	1,053	780	708	1,967	1,769	2,015	1,020	494	145	131	536
1926	Dry	512	1,032	817	728	1,310	1,333	1,872	938	193	61	91	534
1927	Above Normal	503	1,312	918	848	2,868	1,908	2,183	1,082	446	205	166	576
1928	Below Normal	745	1,458	946	919	1,499	1,996	1,505	480	403	190	141	562
1929	Critical	516	1,108	830	762	1,227	1,468	900	533	272	35	61	548
1930	Critical	491	1,002	748	778	1,223	1,527	821	485	95	0	21	547
1931	Critical	420	870	778	718	983	1,128	0	91	0	0	0	345
1932	Above Normal	431	946	1,598	1,254	3,601	1,803	2,128	927	355	137	71	399
1933	Dry	481	939	726	814	1,075	1,486	1,401	558	263	30	43	365
1934	Critical	476	918	764	796	1,269	1,324	471	309	77	0	0	337
1935	Above Normal	465	1,022	813	1,543	1,487	2,437	3,147	1,564	640	285	183	542
1936	Above Normal	644	1,134	812	921	7,375	2,382	2,814	1,918	470	340	902	937
1937	Wet	982	1,170	909	1,616	9,179	4,079	2,331	2,977	952	696	892	949
1938	Wet	690	1,321	3,705	2,862	11,563	14,439	7,795	10,223	7,932	2,490	1,293	1,126
1939	Dry	1,238	1,382	874	869	1,429	1,810	1,071	890	283	93	126	632
1940	Above Normal	609	1,108	845	2,244	2,774	2,300	2,316	1,917	460	197	403	903
1941	Wet	708	1,121	2,368	2,344	7,023	4,910	3,560	5,056	4,061	1,919	1,186	1,029
1942	Wet	1,048	1,357	2,203	2,523	3,186	2,322	2,544	1,806	3,337	1,788	1,105	997
1943	Wet	742	1,572	1,291	3,787	3,286	6,348	2,798	1,611	658	502	1,022	977
1944	Below Normal	723	1,327	862	808	1,622	1,909	1,726	1,055	589	199	188	570
1945	Above Normal	614	1,345	937	843	4,796	3,365	2,304	1,161	520	1,003	1,003	917
1946	Above Normal	1,125	1,443	2,614	1,544	1,662	1,883	2,306	1,075	493	205	194	568
1947	Dry	778	1,376	1,585	1,033	1,710	1,324	1,250	298	269	76	133	558
1948	Below Normal	586	1,091	808	709	937	1,431	2,097	816	413	227	154	580
1949	Below Normal	595	1,056	796	739	1,151	1,858	1,319	440	445	148	175	553
1950	Below Normal	547	1,087	804	895	1,572	1,575	1,379	431	477	188	183	596
1951	Above Normal	595	1,947	3,712	3,170	2,852	1,943	1,771	850	464	223	182	551
1952	Wet	598	1,141	1,261	4,415	2,684	6,071	3,452	6,289	4,375	2,094	1,316	1,134
1953	Below Normal	689	1,357	939	1,880	1,575	1,428	1,314	568	419	184	186	538
1954	Below Normal	590	1,110	829	825	1,313	1,658	1,369	578	448	194	184	563
1955	Dry	535	1,086	867	1,037	1,265	1,459	1,259	624	311	147	166	547
1956	Wet	531	1,084	3,991	6,788	4,667	2,186	2,222	3,113	3,827	2,009	1,219	1,116
1957	Below Normal	828	1,235	835	772	1,200	1,509	1,190	620	530	222	207	572
1958	Wet	698	1,066	864	932	2,167	5,226	7,707	5,359	4,251	1,844	1,226	1,189
1959	Dry	722	1,069	808	788	1,632	1,444	1,475	848	270	117	169	668
1960	Critical	527	1,029	793	751	1,359	1,365	895	677	235	69	132	511
1961	Critical	429	867	825	708	967	1,317	149	259	122	0	25	457
1962	Below Normal	480	1,027	781	696	3,896	2,788	2,349	1,333	662	297	235	561
1963	Above Normal	601	1,031	785	941	1,966	1,900	3,018	1,919	728	363	276	663
1964	Dry	705	1,346	874	831	1,032	1,338	827	606	358	190	166	560
1965	Wet	621	1,161	1,751	3,423	1,561	1,707	2,840	1,543	701	327	335	788
1966	Below Normal	713	2,088	1,482	1,676	1,713	1,525	1,268	590	371	232	218	561
1967	Wet	513	1,087	1,556	1,168	1,561	3,513	7,228	6,016	5,769	4,236	1,596	1,302
1968	Dry	986	1,134	789	776	1,313	1,511	884	877	362	205	235	612
1969	Wet	523	1,152	1,006	5,388	12,940	9,359	8,720	12,580	10,560	3,048	1,334	1,234
1970	Above Normal	1,133	1,277	935	5,392	2,453	2,757	1,631	1,156	519	282	288	637
1971	Below Normal	625	1,117	1,046	999	1,214	1,546	1,417	889	513	293	248	534
1972	Dry	588	1,099	947	656	1,109	1,221	1,182	482	395	250	274	510
1973	Above Normal	547	1,204	890	1,137	3,554	3,214	2,313	2,458	483	584	1,104	1,061
1974	Wet	1,127	1,614	1,700	2,557	1,791	3,038	2,566	2,485	590	905	1,120	1,073
1975	Wet	930	1,173	868	716	3,487	3,228	2,397	1,886	2,052	1,230	1,146	1,019
1976	Critical	1,314	983	805	736	927	1,234	740	415	269	156	232	614
1977	Critical	506	794	728	693	720	269	447	354	84	0	0	328
1978	Wet	442	847	802	1,986	4,325	4,941	6,368	3,990	5,547	2,704	1,380	1,927
1979	Above Normal	731	1,320	883	2,422	3,608	3,773	2,311	1,682	546	322	797	930
1980	Wet	965	1,096	835	6,156	8,206	6,853	2,410	2,244	3,682	2,374	1,314	1,069
1981	Dry	851	1,234	886	970	1,257	1,813	1,584	746	338	194	221	580
1982	Wet	681	1,160	921	1,862	4,100	5,721	10,873	6,693	3,409	2,356	1,492	1,775
1983	Wet	1,684	5,189	10,510	13,274	17,467	22,670	13,738	13,804	17,724	11,004	2,570	1,705
1984	Above Normal	1,909	5,398	9,997	6,018	2,710	1,899	1,792	1,258	466	327	359	703
1985	Dry	812	1,113	810	841	1,632	1,702	1,425	618	395	247	258	582
1986	Wet	669	1,133	915	815	7,876	9,824	4,889	3,699	2,808	984	1,179	1,232
1987	Critical	816	1,231	844	741	1,181	1,639	691	370	257	117	142	544
1988	Critical	592	1,033	797	745	970	1,194	481	319	226	35	72	497
1989	Critical	472	960	744	624	1,020	1,528	791	113	170	10	45	609
1990	Critical	557	980	733	646	1,030	1,146	154	314	168	23	44	468
1991	Critical	482	913	664	595	842	2,046	916	233	147	0	11	310
1992	Critical	476	842	619	555	1,385	1,479	323	161	87	0	0	310
1993	Wet	390	866	721	3,073	2,254	2,542	1,859	1,670	3,144	1,594	1,184	1,127
1994	Critical	1,004	1,227	776	659	1,189	1,029	447	322	157	0	33	323
1995	Wet	423	927	656	2,417	2,092	8,610	4,434	6,916	6,662	5,523	1,785	1,031
1996	Wet	697	1,218	840	1,432	5,223	3,958	2,484	2,240	463	461	1,001	984
1997	Wet	881	2,131	7,097	26,207	7,569	2,564	2,236	1,932	1,581	184	178	760
1998	Wet	628	1,119	814	2,653	10,205	5,249	6,391	6,006	8,807	8,430	1,586	1,280
1999	Above Normal	1,061	1,352	788	1,376	3,252	1,660	2,194	1,480	465	210	277	620
2000	Above Normal	540	1,031	729	882	4,811	3,212	2,366	1,680	419	197	195	563
2001	Dry	751	1,185	819	800	1,326	1,850	1,248	433	343	101	154	516
2002	Dry	469	1,107	995	998	1,152	1,541	1,381	477	269	116	130	484
2003	Below Normal	447	1,054	926	762	1,096	1,389	1,689	838	310	141	149	524

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)
Existing Condition (cfs)

SVI		Year											
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,208	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,472	3,236	1,433	660	647	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,690	1,509	2,014	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	368	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,606	1,354	3,321	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	867	743	316	321	348	341
1982	Wet	439	421	600	955	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,771	2,678	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Tuolumne River Inflow to San Joaquin River (Node C545)
 Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	719	602	597	603	683	631	3,297	1,667	8,518	1,913	566	579
1923	Above Normal	719	595	823	1,978	1,957	841	2,985	1,354	608	575	566	587
1924	Critical	732	605	580	579	606	584	527	523	342	331	342	353
1925	Below Normal	428	442	440	427	454	473	1,642	1,621	470	380	389	408
1926	Dry	547	500	476	464	484	482	906	848	391	379	389	405
1927	Above Normal	479	449	452	456	519	517	1,479	1,380	697	556	568	582
1928	Below Normal	733	615	613	601	621	3,248	1,207	938	404	378	388	410
1929	Critical	547	495	477	468	498	474	742	708	349	333	341	363
1930	Critical	459	466	438	436	473	448	743	714	372	344	351	368
1931	Critical	457	453	449	437	465	440	532	527	345	334	344	354
1932	Above Normal	424	437	430	427	525	463	1,424	1,417	697	577	568	578
1933	Dry	736	630	591	582	612	599	906	871	425	384	393	414
1934	Critical	482	471	451	434	461	442	530	523	347	331	341	353
1935	Above Normal	435	445	437	436	468	429	1,544	1,428	707	562	565	587
1936	Above Normal	733	609	597	593	674	3,474	3,274	1,433	660	611	565	582
1937	Wet	732	621	600	590	3,782	4,503	3,444	1,476	640	555	566	586
1938	Wet	732	618	1,922	1,613	7,111	7,817	5,429	5,416	4,410	3,684	572	597
1939	Dry	931	650	602	593	874	1,397	788	763	394	384	397	412
1940	Above Normal	482	470	440	434	519	3,891	3,792	1,118	744	625	514	528
1941	Wet	640	526	755	1,268	5,011	4,925	4,499	1,205	1,276	2,545	618	547
1942	Wet	689	574	648	3,278	3,434	2,720	4,174	4,351	2,608	3,292	735	704
1943	Wet	814	641	627	3,422	3,255	6,231	3,720	1,494	1,999	1,073	501	436
1944	Below Normal	753	584	626	650	763	983	1,274	1,160	490	414	405	359
1945	Above Normal	526	453	389	529	2,520	3,969	2,267	1,422	536	688	634	572
1946	Above Normal	684	466	3,977	2,702	3,020	3,174	1,746	1,738	782	637	600	580
1947	Dry	660	576	675	615	606	625	796	738	357	322	352	345
1948	Below Normal	480	454	398	393	415	428	952	1,004	663	489	407	344
1949	Below Normal	519	468	412	519	487	742	851	896	384	354	359	343
1950	Below Normal	525	475	463	686	427	519	1,463	1,153	559	395	379	370
1951	Above Normal	513	206	4,796	3,760	3,719	2,865	2,454	1,502	364	422	399	370
1952	Wet	461	400	475	846	813	3,807	4,598	5,070	4,408	3,733	617	591
1953	Below Normal	680	479	517	734	1,275	642	1,766	1,644	334	519	433	400
1954	Below Normal	460	400	391	397	383	459	1,097	1,064	439	373	379	369
1955	Dry	468	385	420	702	365	481	845	794	368	338	352	341
1956	Wet	395	372	441	7,170	4,167	3,171	2,081	1,427	3,578	2,933	681	574
1957	Below Normal	697	478	491	518	551	616	1,805	1,681	393	399	408	405
1958	Wet	489	380	432	561	844	3,782	6,198	4,879	5,075	2,724	672	646
1959	Dry	753	519	581	624	964	1,299	803	772	362	349	333	366
1960	Critical	461	364	307	362	519	435	686	645	282	275	295	321
1961	Critical	310	330	282	337	346	385	465	436	246	236	256	235
1962	Below Normal	298	314	323	314	941	510	1,942	1,769	370	358	396	408
1963	Above Normal	464	273	315	425	493	245	1,457	1,096	485	527	500	515
1964	Dry	548	381	400	518	493	516	721	643	275	256	268	280
1965	Wet	343	266	234	3,797	3,543	3,038	3,135	1,152	361	543	682	762
1966	Below Normal	585	491	2,109	1,104	2,041	1,097	770	687	251	246	242	242
1967	Wet	389	267	318	582	285	1,572	4,504	3,901	6,478	6,505	589	674
1968	Dry	645	449	485	515	484	894	822	781	347	350	338	330
1969	Wet	398	367	288	1,466	5,455	3,900	5,096	6,796	7,535	3,812	459	508
1970	Above Normal	1,216	761	1,146	5,995	2,584	3,073	1,350	1,269	296	432	360	426
1971	Below Normal	673	503	532	524	456	1,423	1,465	1,349	367	333	350	358
1972	Dry	515	322	524	367	345	387	803	738	284	276	286	284
1973	Above Normal	315	451	522	524	826	627	1,770	1,279	1,268	484	509	512
1974	Wet	560	745	2,027	2,864	1,754	3,806	2,617	1,349	3,316	1,039	475	657
1975	Wet	1,068	1,088	789	643	2,318	3,655	2,276	1,330	3,068	1,262	558	569
1976	Critical	1,352	812	584	543	516	584	613	557	260	245	278	280
1977	Critical	284	309	322	295	303	305	383	398	176	170	167	153
1978	Wet	217	243	251	432	550	578	1,424	1,394	2,848	415	446	436
1979	Above Normal	393	710	611	1,045	3,655	4,273	2,032	5,620	490	547	625	516
1980	Wet	609	813	877	3,071	6,760	3,798	2,383	2,097	5,065	3,500	567	697
1981	Dry	743	775	519	693	579	779	866	743	316	321	348	341
1982	Wet	439	421	600	956	6,677	5,622	9,183	6,364	4,838	3,679	592	2,367
1983	Wet	3,175	3,152	5,340	5,281	6,724	16,125	5,060	7,883	4,323	6,266	2,862	2,081
1984	Above Normal	941	5,485	7,476	4,168	3,409	3,125	1,600	1,390	598	558	597	599
1985	Dry	743	974	430	489	609	658	865	915	408	340	367	359
1986	Wet	334	363	356	284	2,673	8,056	2,904	3,247	3,686	648	541	662
1987	Critical	1,169	1,300	566	596	523	708	620	614	276	256	265	253
1988	Critical	242	259	254	305	265	293	455	462	184	175	190	177
1989	Critical	194	220	245	244	243	340	575	574	188	187	203	212
1990	Critical	215	245	232	236	275	271	431	502	195	199	221	212
1991	Critical	214	239	223	208	232	449	491	600	170	183	201	188
1992	Critical	210	239	217	224	485	307	381	450	178	169	175	175
1993	Wet	213	208	217	781	481	305	1,126	1,329	4,074	2,059	326	404
1994	Critical	581	448	413	399	490	410	522	503	207	188	201	186
1995	Wet	230	218	223	518	152	7,988	4,702	9,501	5,103	8,341	1,781	792
1996	Wet	758	451	430	538	5,666	4,888	2,769	2,680	3,078	794	483	533
1997	Wet	592	525	6,295	17,735	3,718	2,811	1,246	1,251	482	499	486	486
1998	Wet	693	337	431	941	7,272	5,095	3,854	5,548	6,995	6,737	517	560
1999	Above Normal	962	506	695	2,008	4,999	3,672	1,836	1,178	498	497	501	506
2000	Above Normal	591	442	344	433	3,922	3,718	2,039	1,572	1,738	488	691	721
2001	Dry	692	465	418	518	400	1,207	757	713	326	293	314	300
2002	Dry	322	243	383	427	242	325	630	763	276	279	326	296
2003	Below Normal	315	247	294	264	241	297	1,069	1,062	244	228	283	269

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)
Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,352	1,692	2,037	1,774	4,632	3,746	5,421	3,695	12,191	3,447	1,605	1,623
1923	Above Normal	1,564	1,915	2,905	4,441	4,211	2,398	5,571	2,710	1,563	900	1,485	1,839
1924	Critical	1,617	1,485	1,406	1,338	1,482	1,756	778	551	297	286	334	704
1925	Below Normal	935	1,495	1,220	1,135	2,421	2,272	3,748	2,749	1,018	569	599	1,044
1926	Dry	1,174	1,559	1,294	1,193	1,795	1,827	2,870	1,870	625	479	553	1,036
1927	Above Normal	1,097	1,761	1,370	1,305	3,388	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal	1,597	2,074	1,559	1,520	2,150	5,272	2,799	1,501	855	615	609	1,072
1929	Critical	1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical	970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	302	366	936
1931	Critical	898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal	876	1,381	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry	1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical	1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal	922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal	1,494	1,744	1,409	1,514	8,604	5,888	6,183	3,453	1,185	1,034	1,545	1,620
1937	Wet	1,832	1,818	1,509	2,207	14,261	9,350	7,014	7,218	1,637	1,294	1,534	1,633
1938	Wet	1,537	1,967	5,627	4,698	20,533	25,108	15,341	18,530	13,950	6,239	1,957	1,830
1939	Dry	2,198	2,060	1,478	1,463	2,334	3,232	1,932	1,742	722	521	599	1,148
1940	Above Normal	1,206	1,605	1,284	2,655	3,295	6,192	6,204	3,126	1,251	867	995	1,530
1941	Wet	1,463	1,673	3,124	3,613	13,919	9,811	8,168	7,138	5,546	4,522	1,891	1,680
1942	Wet	1,792	1,958	2,851	6,406	6,813	5,076	6,825	6,271	6,002	5,140	1,929	1,805
1943	Wet	1,674	2,214	1,918	9,317	6,662	14,541	6,808	3,349	2,729	1,743	1,612	1,517
1944	Below Normal	1,594	1,946	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	668	1,026
1945	Above Normal	1,257	1,798	1,326	1,372	8,860	7,336	4,666	2,673	1,113	1,743	1,720	1,592
1946	Above Normal	1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	877	1,249
1947	Dry	1,556	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	444	564	1,003
1948	Below Normal	1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal	1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	553	616	997
1950	Below Normal	1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal	1,227	2,154	11,476	7,838	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet	1,177	1,542	1,737	5,393	3,459	10,357	9,362	14,342	10,539	5,899	2,025	1,832
1953	Below Normal	1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	748	701	1,037
1954	Below Normal	1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,724	937	611	641	1,031
1955	Dry	1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet	1,041	1,484	6,092	17,719	9,177	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal	1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet	1,304	1,472	1,296	1,494	3,011	9,563	15,319	12,611	9,899	4,632	1,990	1,942
1959	Dry	1,593	1,616	1,390	1,413	2,599	2,765	2,344	1,701	677	508	579	1,140
1960	Critical	1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical	761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal	800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal	1,181	1,331	1,101	1,366	2,460	2,178	4,574	3,118	1,261	937	856	1,279
1964	Dry	1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet	1,082	1,427	1,985	7,346	5,105	4,774	6,070	2,784	1,117	927	1,119	1,655
1966	Below Normal	1,414	2,580	3,592	2,781	3,757	2,647	2,109	1,362	670	526	540	903
1967	Wet	1,016	1,355	1,875	1,751	1,847	5,121	13,193	12,341	13,951	12,634	2,278	2,083
1968	Dry	1,748	1,584	1,274	1,292	1,827	2,430	1,783	1,739	755	598	653	1,040
1969	Wet	1,038	1,520	1,295	8,849	21,587	16,230	17,946	22,182	21,658	6,938	1,885	1,850
1970	Above Normal	2,460	2,039	2,083	11,398	5,039	5,920	3,060	2,507	867	777	731	1,164
1971	Below Normal	1,415	1,620	1,579	1,524	1,672	2,997	2,969	2,323	925	659	668	1,041
1972	Dry	1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal	978	1,655	1,412	1,662	4,382	3,842	4,181	3,823	1,801	1,118	1,695	1,675
1974	Wet	1,808	2,359	3,728	6,169	3,546	6,878	5,305	3,942	3,973	2,020	1,684	1,834
1975	Wet	2,118	2,290	1,657	1,360	5,808	6,901	4,768	3,307	5,171	2,545	1,798	1,690
1976	Critical	2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical	812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet	681	1,042	1,053	2,418	6,113	6,819	10,540	8,167	11,335	3,181	1,917	2,474
1979	Above Normal	1,241	2,031	1,495	3,468	7,356	8,246	4,437	7,387	1,086	923	1,503	1,547
1980	Wet	1,691	1,910	1,713	11,739	18,639	11,711	4,891	4,441	9,123	5,946	1,971	1,871
1981	Dry	1,711	2,006	1,406	1,664	1,867	2,623	2,538	1,572	700	560	647	1,019
1982	Wet	1,237	1,581	1,522	2,818	10,899	11,498	23,940	16,091	9,443	6,099	2,176	4,255
1983	Wet	4,980	8,330	16,538	19,516	24,390	38,925	19,077	21,966	22,643	17,358	5,528	3,899
1984	Above Normal	2,968	10,882	17,499	10,213	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry	1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet	1,120	1,496	1,272	1,099	14,502	21,309	8,086	8,552	7,044	1,686	1,805	1,998
1987	Critical	2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	402	813
1988	Critical	857	1,319	1,051	1,051	1,236	1,490	953	764	361	160	251	687
1989	Critical	686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical	796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical	717	1,179	887	803	1,102	2,520	1,400	808	274	140	209	514
1992	Critical	710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet	626	1,101	939	3,854	2,741	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical	1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet	677	1,146	879	2,941	2,245	18,465	11,008	19,443	14,781	17,595	3,657	1,928
1996	Wet	1,573	1,697	1,271	1,971	10,899	9,216	5,341	5,029	3,594	1,310	1,570	1,620
1997	Wet	1,591	2,705	15,970	49,876	12,565	5,392	3,557	3,569	2,118	741	752	1,465
1998	Wet	1,438	1,457	1,246	3,606	20,288	11,420	11,512	13,886	19,029	15,856	2,196	1,947
1999	Above Normal	2,090	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	859	1,227
2000	Above Normal	1,246	1,500	1,073	1,316	8,852	7,050	4,502	3,360	2,228	734	967	1,385
2001	Dry	1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry	906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal	876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Flow at San Joaquin River Below Tuolumne River (Node C630)

Alternative 5 (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			1,352	1,692	2,037	1,774	4,646	3,774	5,421	3,695	12,190	3,447	1,605	1,623
1923	Above Normal			1,564	1,915	2,905	4,247	4,169	2,398	5,571	2,710	1,562	900	1,485	1,839
1924	Critical			1,617	1,485	1,406	1,338	1,482	1,756	778	552	297	286	334	704
1925	Below Normal			936	1,495	1,220	1,135	2,421	2,272	3,748	2,748	1,016	567	597	1,043
1926	Dry			1,173	1,559	1,294	1,193	1,795	1,827	2,871	1,870	626	480	554	1,036
1927	Above Normal			1,097	1,761	1,370	1,305	3,387	2,457	3,756	2,550	1,196	810	815	1,259
1928	Below Normal			1,597	2,074	1,559	1,520	2,150	5,272	2,800	1,501	855	615	609	1,072
1929	Critical			1,178	1,604	1,307	1,230	1,726	1,960	1,642	1,209	583	318	390	925
1930	Critical			970	1,493	1,186	1,214	1,725	1,989	1,557	1,183	425	303	366	936
1931	Critical			898	1,323	1,227	1,156	1,449	1,579	512	607	300	288	336	715
1932	Above Normal			876	1,383	2,028	1,682	4,127	2,297	3,634	2,438	1,095	753	713	1,074
1933	Dry			1,331	1,595	1,318	1,397	1,687	2,107	2,372	1,521	728	449	507	875
1934	Critical			1,072	1,415	1,216	1,230	1,731	1,783	982	814	379	287	334	711
1935	Above Normal			922	1,468	1,250	1,979	1,956	2,866	4,791	3,088	1,391	889	823	1,227
1936	Above Normal			1,494	1,744	1,409	1,514	8,049	5,889	6,182	3,453	1,185	997	1,545	1,620
1937	Wet			1,832	1,818	1,509	2,207	12,962	8,582	5,874	4,542	1,637	1,294	1,637	1,633
1938	Wet			1,537	1,967	5,627	4,475	18,676	22,258	13,332	15,745	12,402	6,239	1,957	1,830
1939	Dry			2,288	2,060	1,478	1,463	2,334	3,232	1,932	1,741	721	519	598	1,148
1940	Above Normal			1,205	1,605	1,284	2,678	3,294	6,192	6,204	3,126	1,252	868	996	1,531
1941	Wet			1,463	1,673	3,124	3,612	12,035	9,837	8,168	6,366	5,392	4,521	1,890	1,680
1942	Wet			1,855	1,958	2,851	5,802	6,622	5,076	6,825	6,271	6,002	5,139	1,929	1,805
1943	Wet			1,674	2,214	1,918	7,210	6,544	12,581	6,619	3,207	2,714	1,634	1,611	1,517
1944	Below Normal			1,594	1,938	1,489	1,458	2,387	2,919	3,087	2,291	1,122	653	667	1,026
1945	Above Normal			1,257	1,798	1,326	1,372	7,316	7,336	4,666	2,673	1,112	1,743	1,720	1,591
1946	Above Normal			1,928	1,909	6,592	4,247	4,684	5,089	4,145	2,915	1,326	894	876	1,249
1947	Dry			1,555	1,953	2,261	1,648	2,346	1,931	2,108	1,120	677	445	564	1,003
1948	Below Normal			1,184	1,546	1,207	1,102	1,378	1,881	3,141	1,921	1,118	755	635	1,021
1949	Below Normal			1,230	1,550	1,208	1,258	1,667	2,627	2,231	1,429	881	554	616	997
1950	Below Normal			1,188	1,589	1,268	1,582	2,001	2,124	2,930	1,670	1,082	627	639	1,068
1951	Above Normal			1,227	2,154	8,509	6,930	6,572	4,840	4,320	2,439	880	697	664	1,022
1952	Wet			1,177	1,542	1,737	5,261	3,499	9,913	8,155	11,460	8,843	5,899	2,025	1,832
1953	Below Normal			1,487	1,865	1,457	2,616	2,852	2,082	3,168	2,298	807	747	701	1,037
1954	Below Normal			1,165	1,510	1,220	1,222	1,724	2,141	2,546	1,725	937	612	641	1,031
1955	Dry			1,117	1,472	1,288	1,739	1,631	1,964	2,192	1,516	726	532	598	988
1956	Wet			1,041	1,484	4,432	13,959	8,835	5,384	4,405	4,645	7,460	5,001	1,988	1,796
1957	Below Normal			1,642	1,741	1,326	1,291	1,781	2,143	3,076	2,404	965	661	688	1,075
1958	Wet			1,304	1,472	1,296	1,494	3,011	9,011	13,917	10,355	9,389	4,631	1,989	1,942
1959	Dry			1,593	1,616	1,390	1,413	2,599	2,765	2,346	1,701	677	508	579	1,140
1960	Critical			1,102	1,419	1,101	1,113	1,905	1,801	1,578	1,299	475	305	424	854
1961	Critical			761	1,198	1,108	1,045	1,342	1,716	604	686	329	201	280	711
1962	Below Normal			800	1,341	1,105	1,010	4,838	3,331	4,380	3,182	1,080	702	710	1,068
1963	Above Normal			1,181	1,331	1,101	1,366	2,460	2,082	4,574	3,117	1,261	937	856	1,279
1964	Dry			1,371	1,728	1,274	1,350	1,553	1,855	1,618	1,329	689	492	513	939
1965	Wet			1,082	1,427	1,985	7,221	5,105	4,774	6,069	2,784	1,116	926	1,118	1,654
1966	Below Normal			1,414	2,580	3,592	2,781	3,757	2,647	2,110	1,361	670	525	539	903
1967	Wet			1,016	1,355	1,875	1,751	1,847	5,120	11,843	10,026	12,315	10,805	2,278	2,083
1968	Dry			1,748	1,584	1,274	1,292	1,827	2,430	1,739	755	598	653	1,040	1,400
1969	Wet			1,038	1,520	1,295	6,854	18,397	13,292	13,920	19,470	18,155	6,924	1,885	1,850
1970	Above Normal			2,469	2,039	2,083	11,387	5,039	5,863	3,060	2,507	867	777	731	1,164
1971	Below Normal			1,415	1,620	1,579	1,524	1,672	2,969	2,969	2,323	925	659	668	1,041
1972	Dry			1,218	1,449	1,471	1,023	1,481	1,595	2,054	1,299	726	571	638	894
1973	Above Normal			978	1,655	1,412	1,662	4,382	3,842	4,181	3,822	1,801	1,118	1,695	1,675
1974	Wet			1,808	2,359	3,728	5,421	3,546	6,878	5,283	3,936	3,967	2,019	1,683	1,834
1975	Wet			2,118	2,290	1,657	1,360	5,807	6,918	4,768	3,307	5,172	2,545	1,798	1,690
1976	Critical			2,785	1,822	1,389	1,280	1,470	1,793	1,348	942	482	355	516	918
1977	Critical			812	1,103	1,050	989	1,048	555	806	751	213	123	158	501
1978	Wet			681	1,117	1,053	2,418	4,875	5,521	7,905	5,490	8,453	3,179	1,916	2,473
1979	Above Normal			1,241	2,031	1,495	3,468	7,265	8,080	4,437	7,388	1,086	923	1,503	1,547
1980	Wet			1,691	1,910	1,713	9,228	14,967	10,685	4,892	4,441	8,805	5,945	1,970	1,871
1981	Dry			1,711	2,037	1,406	1,664	1,867	2,623	2,538	1,572	699	559	646	1,019
1982	Wet			1,237	1,581	1,522	2,818	10,778	11,346	20,165	13,162	8,311	6,099	2,176	4,255
1983	Wet			4,980	8,342	15,851	18,556	24,193	38,798	18,909	21,796	22,106	17,334	5,528	3,899
1984	Above Normal			2,968	10,885	17,474	10,188	6,121	5,053	3,472	2,727	1,116	937	1,039	1,404
1985	Dry			1,674	2,088	1,240	1,331	2,243	2,390	2,374	1,613	855	634	705	1,041
1986	Wet			1,120	1,496	1,272	1,099	10,550	17,882	7,895	7,045	6,548	1,686	1,805	1,998
1987	Critical			2,101	2,559	1,410	1,338	1,735	2,371	1,307	960	490	331	401	813
1988	Critical			857	1,319	1,051	1,051	1,236	1,489	953	764	361	160	251	687
1989	Critical			686	1,180	990	868	1,291	1,885	1,343	665	317	158	245	852
1990	Critical			796	1,253	965	882	1,333	1,416	566	824	314	172	253	693
1991	Critical			717	1,179	887	803	1,102	2,520	1,400	808	274	139	209	514
1992	Critical			710	1,107	837	779	1,870	1,813	712	591	223	128	170	502
1993	Wet			626	1,101	939	3,854	2,736	2,849	3,084	3,108	7,276	3,703	1,592	1,632
1994	Critical			1,700	1,703	1,190	1,059	1,680	1,436	985	848	321	155	235	530
1995	Wet			677	1,146	879	2,935	2,245	16,600	9,244	16,534	11,835	13,924	3,655	1,927
1996	Wet			1,572	1,697	1,271	1,971	10,891	8,880	5,341	5,031	3,594	1,310	1,570	1,620
1997	Wet			1,591	2,657	13,393	43,943	11,288	5,392	3,553	3,269	2,118	741	752	1,350
1998	Wet			1,438	1,457	1,246	3,595	17,478	10,347	10,352	11,677	15,881	15,230	2,195	1,946
1999	Above Normal			2,143	1,860	1,484	3,386	8,253	5,362	4,124	2,748	1,012	756	860	1,227
2000	Above Normal			1,246	1,500	1,073	1,316	8,735	6,963	4,502	3,360	2,228	734	967	1,385
2001	Dry			1,446	1,678	1,237	1,319	1,728	3,090	2,092	1,234	715	439	545	917
2002	Dry			906	1,350	1,379	1,425	1,395	1,897	2,084	1,317	591	439	533	878
2003	Below Normal			876	1,301	1,220	1,026	1,338	1,713	2,852	1,984	601	416	517	893

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	409	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	554	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,038	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,306
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	414	411	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	441	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	725	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,561	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,209	1,375	1,424	678	586	1,244
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,708	1,284	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,712	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,164	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	407	372	394
1982	Wet	951	263	291	387	2,141	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Stanislaus River Inflow to San Joaquin River (Node C528)

Alternative 5 (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	980	260	311	335	266	1,702	1,894	1,552	1,105	412	456	486
1923	Above Normal	985	354	403	709	1,059	1,582	1,770	1,497	1,345	511	456	493
1924	Critical	1,097	318	262	280	488	200	796	763	407	404	428	423
1925	Below Normal	823	348	304	304	244	269	1,843	1,401	528	408	439	436
1926	Dry	960	320	262	273	363	200	885	699	444	429	439	434
1927	Above Normal	822	455	288	321	242	320	1,866	1,363	1,288	409	439	436
1928	Below Normal	970	348	304	302	234	481	1,676	1,334	475	405	439	436
1929	Critical	955	302	280	302	312	232	869	772	372	366	428	423
1930	Critical	807	263	200	315	341	378	808	775	376	379	428	423
1931	Critical	810	248	200	281	497	200	625	606	368	419	428	423
1932	Above Normal	752	248	383	330	227	238	471	479	394	395	439	434
1933	Dry	761	266	200	308	421	235	412	722	439	416	439	434
1934	Critical	760	263	311	316	300	205	639	599	411	405	295	325
1935	Above Normal	755	302	288	348	237	339	862	582	418	558	439	434
1936	Above Normal	773	260	225	338	636	337	1,040	723	742	476	439	437
1937	Wet	827	266	262	321	255	488	1,060	750	908	476	439	434
1938	Wet	822	313	336	321	499	2,072	2,275	1,946	1,616	718	556	1,284
1939	Dry	1,152	456	380	420	367	238	1,512	1,314	413	410	439	449
1940	Above Normal	960	266	225	371	241	1,772	1,917	1,457	1,103	511	456	486
1941	Wet	1,016	384	368	454	432	1,950	1,961	2,185	1,633	632	469	469
1942	Wet	1,028	588	383	323	574	1,802	1,723	1,519	1,135	656	494	542
1943	Wet	1,074	383	442	2,543	2,329	3,367	1,964	1,786	1,428	615	593	629
1944	Below Normal	1,120	481	494	543	588	468	1,788	1,298	625	457	461	441
1945	Above Normal	981	378	385	390	401	1,678	1,586	1,712	1,276	568	517	523
1946	Above Normal	1,012	329	200	552	494	341	1,512	1,461	862	433	464	447
1947	Dry	945	343	347	397	369	239	1,563	1,282	526	412	393	395
1948	Below Normal	921	341	292	368	742	329	723	721	593	506	439	404
1949	Below Normal	794	337	325	325	497	315	763	782	521	422	409	380
1950	Below Normal	768	320	330	345	283	407	724	989	807	411	405	409
1951	Above Normal	766	403	476	580	657	1,733	1,668	1,760	1,158	426	417	411
1952	Wet	884	281	223	294	236	1,648	1,964	1,702	1,699	1,737	1,902	1,767
1953	Below Normal	1,104	434	423	919	1,128	1,672	1,560	1,809	1,248	616	451	480
1954	Below Normal	995	325	316	351	431	297	1,471	1,334	513	399	393	357
1955	Dry	891	269	302	481	434	365	900	813	487	410	357	359
1956	Wet	761	290	279	762	562	1,718	1,839	1,467	1,361	613	484	463
1957	Below Normal	968	294	281	342	449	321	1,649	1,366	569	426	439	431
1958	Wet	975	353	336	327	451	1,636	2,211	1,375	1,424	678	586	1,242
1959	Dry	1,058	360	403	434	1,246	474	1,656	1,398	467	393	401	435
1960	Critical	918	337	316	343	403	312	894	851	374	345	362	341
1961	Critical	734	305	307	333	592	314	686	670	335	307	322	312
1962	Below Normal	644	282	286	294	322	369	886	835	357	413	411	403
1963	Above Normal	803	343	304	353	644	564	941	1,020	806	498	451	437
1964	Dry	836	348	286	354	530	349	938	872	411	391	379	383
1965	Wet	777	338	200	435	238	314	1,672	1,709	1,283	433	513	479
1966	Below Normal	1,004	325	301	386	467	388	937	1,012	418	402	361	350
1967	Wet	747	282	271	276	1,210	1,622	1,713	1,375	1,350	948	582	670
1968	Dry	1,180	260	288	380	394	345	1,757	1,401	465	393	386	373
1969	Wet	953	319	339	384	746	2,074	2,401	1,638	3,163	2,024	1,768	1,665
1970	Above Normal	1,206	446	941	4,888	2,883	1,971	1,888	1,420	1,215	468	480	559
1971	Below Normal	1,018	269	280	336	383	1,816	1,899	1,622	1,108	568	493	536
1972	Dry	1,196	248	200	349	494	424	1,652	1,379	456	408	378	369
1973	Above Normal	886	300	306	310	470	295	1,866	1,352	1,162	447	452	505
1974	Wet	970	235	223	269	473	1,656	1,981	1,481	1,398	557	500	649
1975	Wet	1,110	337	444	349	236	1,782	1,982	1,574	1,595	589	582	603
1976	Critical	914	471	297	368	415	328	1,595	1,331	406	345	347	329
1977	Critical	851	275	263	293	649	599	596	641	276	285	305	241
1978	Wet	582	213	226	343	271	200	1,549	1,282	738	546	459	480
1979	Above Normal	1,012	377	320	226	274	238	1,813	1,282	1,366	436	450	430
1980	Wet	957	322	200	226	721	1,705	2,056	1,795	1,456	561	546	656
1981	Dry	1,092	385	305	377	329	368	1,626	1,480	435	406	372	394
1982	Wet	951	263	291	387	2,142	3,437	2,860	1,724	1,303	1,503	1,892	3,016
1983	Wet	1,930	2,609	3,135	4,178	5,135	6,133	2,041	1,828	4,800	4,442	2,618	3,033
1984	Above Normal	1,480	3,412	5,088	2,139	2,221	1,912	1,952	1,676	1,207	499	568	713
1985	Dry	1,129	340	225	335	441	416	1,673	1,499	499	397	380	462
1986	Wet	990	383	311	311	576	4,054	2,344	1,810	1,219	632	466	597
1987	Critical	1,109	410	511	483	368	370	1,599	1,335	402	344	349	310
1988	Critical	853	238	270	295	499	231	872	821	347	288	308	303
1989	Critical	679	248	267	281	468	205	560	695	343	350	377	410
1990	Critical	658	258	248	260	469	260	711	725	334	286	338	322
1991	Critical	764	469	249	242	548	341	451	727	349	304	189	195
1992	Critical	678	379	239	241	347	209	674	420	150	150	150	159
1993	Wet	588	216	225	354	308	243	465	405	388	288	368	434
1994	Critical	583	247	232	280	328	252	648	659	350	331	318	300
1995	Wet	577	228	242	529	513	436	1,583	1,407	528	383	401	347
1996	Wet	849	270	272	336	229	1,843	1,707	1,553	1,035	399	442	442
1997	Wet	909	464	1,826	8,147	6,318	2,231	1,640	1,460	1,056	452	421	421
1998	Wet	964	257	247	324	1,205	1,903	2,029	1,656	1,153	2,167	2,155	2,151
1999	Above Normal	1,391	856	1,087	1,581	3,410	1,835	1,628	1,422	1,421	404	418	444
2000	Above Normal	889	250	241	327	316	1,777	1,695	1,448	1,083	419	385	401
2001	Dry	856	264	243	308	314	311	1,512	1,334	411	384	301	314
2002	Dry	813	220	286	321	530	238	751	879	513	376	365	343
2003	Below Normal	681	233	262	250	627	248	767	877	1,030	405	337	307

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Existing Condition (cfs)

SVI		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet			2,665	2,231	2,770	2,643	5,674	6,916	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal			2,959	2,521	3,941	6,199	5,884	4,555	8,178	5,688	3,704	2,308	2,475	2,826
1924	Critical			3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,782	1,196	1,117	1,208	1,537
1925	Below Normal			2,076	2,060	1,852	1,742	2,909	3,154	6,524	5,811	2,389	1,632	1,543	1,950
1926	Dry			2,560	2,230	1,922	1,862	2,387	2,524	4,590	3,403	1,684	1,396	1,475	1,923
1927	Above Normal			2,310	2,481	2,056	2,100	4,105	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal			3,072	2,811	2,312	2,421	2,683	6,502	5,226	3,804	1,982	1,610	1,594	2,011
1929	Critical			2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical			2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,315	1,270	1,362	1,866
1931	Critical			2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal			1,952	1,857	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry			2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical			2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,072	1,441
1935	Above Normal			2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal			2,704	2,374	2,004	2,255	9,773	7,735	8,256	5,703	2,734	2,162	2,486	2,526
1937	Wet			3,087	2,438	2,168	2,999	15,063	11,257	9,074	9,802	3,439	2,414	2,478	2,538
1938	Wet			2,796	2,647	6,564	5,989	22,091	30,573	19,083	23,003	16,654	8,681	3,186	3,742
1939	Dry			3,884	2,946	2,284	2,426	3,053	3,836	3,890	3,511	1,646	1,423	1,535	2,062
1940	Above Normal			2,573	2,187	1,819	3,283	4,069	9,454	9,197	6,018	3,136	1,924	1,948	2,480
1941	Wet			2,890	2,378	3,909	4,589	15,152	13,633	11,281	11,335	8,124	6,419	2,937	2,678
1942	Wet			3,282	2,914	3,758	7,510	8,313	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet			3,217	2,961	2,860	12,585	9,730	19,983	10,027	6,557	4,936	2,933	2,734	2,636
1944	Below Normal			3,163	2,804	2,347	2,392	3,217	3,847	5,291	4,208	2,300	1,621	1,632	1,936
1945	Above Normal			2,668	2,497	2,153	2,345	9,767	10,149	7,006	5,714	3,140	3,064	2,793	2,628
1946	Above Normal			3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,872	1,854	2,176
1947	Dry			2,927	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal			2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal			2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal			2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal			2,385	2,821	13,706	12,214	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet			2,482	2,141	2,366	6,183	4,533	13,413	12,654	18,383	13,273	8,423	4,454	4,087
1953	Below Normal			3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,586	1,944	1,638	1,973
1954	Below Normal			2,571	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry			2,387	1,981	1,899	2,478	2,591	3,454	2,757	1,717	1,401	1,310	1,425	1,791
1956	Wet			2,164	1,984	7,433	20,580	11,760	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal			3,067	2,398	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet			2,712	2,191	1,983	2,180	3,750	12,169	19,197	15,958	12,255	6,064	3,107	3,678
1959	Dry			3,137	2,423	2,175	2,281	4,061	3,561	4,365	3,503	1,638	1,349	1,441	2,015
1960	Critical			2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,313	1,063	1,222	1,596
1961	Critical			1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal			1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal			2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry			2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,586	1,337	1,354	1,757
1965	Wet			2,250	2,043	2,863	8,940	6,458	5,829	8,558	5,218	2,985	1,935	2,139	2,612
1966	Below Normal			2,920	3,369	4,509	4,176	4,652	3,383	3,407	2,769	1,580	1,399	1,358	1,686
1967	Wet			2,133	1,873	2,659	2,784	3,427	7,512	16,042	15,499	16,178	15,023	3,435	3,279
1968	Dry			3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet			2,382	2,102	2,004	9,639	24,219	21,599	21,738	25,964	25,803	9,851	4,226	4,041
1970	Above Normal			4,083	2,964	3,540	16,875	8,731	8,648	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal			2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry			2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal			2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet			3,348	2,816	4,398	6,629	4,584	8,915	7,742	5,731	5,832	3,391	2,823	2,863
1975	Wet			3,661	3,086	2,478	2,348	6,465	8,980	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical			3,908	2,812	2,023	2,048	2,308	2,414	3,333	2,734	1,359	1,279	1,531	1,649
1977	Critical			2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet			1,461	1,484	1,500	3,086	6,714	8,120	13,545	11,698	12,675	4,351	2,890	3,354
1979	Above Normal			2,759	2,981	2,355	4,075	8,238	9,502	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet			3,216	2,573	2,139	12,348	19,970	16,637	7,081	7,307	11,321	7,287	3,173	2,763
1981	Dry			3,395	2,885	2,045	2,240	2,478	3,434	4,580	3,656	1,711	1,505	1,446	1,813
1982	Wet			2,643	2,164	2,126	3,636	13,458	15,884	28,326	19,415	11,929	8,432	4,669	7,487
1983	Wet			7,323	11,331	21,068	26,611	32,173	48,957	23,465	26,046	28,311	24,310	9,136	7,934
1984	Above Normal			4,879	16,567	24,066	15,447	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry			3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet			2,725	2,445	2,108	1,895	15,427	27,272	12,254	11,543	9,576	3,057	3,006	3,508
1987	Critical			4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical			2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,995	1,138	847	1,038	1,437
1989	Critical			1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical			1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical			1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical			1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet			1,414	1,526	1,394	4,705	3,842	3,822	3,815	3,770	8,155	4,318	2,345	2,644
1994	Critical			2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet			1,614	1,691	1,360	3,700	3,427	20,103	13,128	22,852	16,328	19,518	4,764	2,947
1996	Wet			3,256	2,722	2,116	2,699	11,541	11,123	8,095	7,543	5,683	2,521	2,598	2,753
1997	Wet			3,203	3,640	18,846	60,096	23,048	10,630	5,981	6,306	4,009	1,896	2,023	2,824
1998	Wet			3,061	2,183	2,015	4,204	22,462	15,034	14,667	16,729	20,588	19,724	5,596	4,854
1999	Above Normal			4,520	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,918	2,037	2,376	2,763
2000	Above Normal			2,852	2,308	1,692	2,229	9,455	9,454	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry			2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry			2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal														

Simulated Flow at San Joaquin River Upstream from Vernalis (Node C637)

Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	2,665	2,231	2,770	2,643	5,689	6,945	8,207	7,621	14,342	5,226	2,607	2,612
1923	Above Normal	2,959	2,521	3,941	6,005	5,842	4,555	8,178	5,688	3,703	2,308	2,474	2,825
1924	Critical	3,193	2,238	1,966	1,848	2,134	2,167	1,983	1,783	1,196	1,117	1,208	1,537
1925	Below Normal	2,076	2,060	1,852	1,742	2,910	3,154	6,524	5,810	2,388	1,629	1,541	1,950
1926	Dry	2,560	2,230	1,922	1,862	2,386	2,524	4,590	3,404	1,685	1,398	1,476	1,924
1927	Above Normal	2,310	2,481	2,056	2,100	4,104	3,855	6,509	5,390	3,275	1,959	1,862	2,248
1928	Below Normal	3,072	2,811	2,312	2,421	2,683	6,502	5,228	3,804	1,982	1,610	1,594	2,011
1929	Critical	2,612	2,297	1,941	1,896	2,241	2,472	2,908	2,503	1,455	1,225	1,346	1,824
1930	Critical	2,168	2,092	1,670	1,724	2,241	2,656	2,838	2,502	1,316	1,270	1,362	1,866
1931	Critical	2,127	1,902	1,755	1,739	2,098	1,981	1,518	1,630	1,148	1,208	1,217	1,554
1932	Above Normal	1,952	1,859	2,707	2,235	4,861	3,520	4,755	4,287	2,254	2,152	1,746	2,050
1933	Dry	2,590	2,284	1,838	1,988	2,306	2,635	3,154	2,684	1,674	1,367	1,436	1,769
1934	Critical	2,251	2,023	1,883	1,917	2,261	2,257	1,952	1,770	1,252	1,127	1,073	1,441
1935	Above Normal	2,013	2,031	1,849	2,586	2,524	3,603	6,840	5,226	2,627	2,064	1,757	2,124
1936	Above Normal	2,704	2,374	2,004	2,255	9,219	7,737	8,254	5,703	2,734	2,125	2,486	2,526
1937	Wet	3,087	2,438	2,168	2,999	13,763	10,488	7,957	7,126	3,439	2,414	2,478	2,538
1938	Wet	2,796	2,647	6,564	5,765	20,234	27,724	17,074	20,218	15,106	8,681	3,186	3,720
1939	Dry	3,973	2,946	2,284	2,426	3,053	3,836	3,890	3,510	1,644	1,421	1,533	2,061
1940	Above Normal	2,573	2,187	1,819	3,307	4,069	9,455	9,198	6,017	3,137	1,925	1,949	2,480
1941	Wet	2,891	2,378	3,909	4,589	13,268	13,659	11,280	10,564	7,971	6,418	2,937	2,678
1942	Wet	3,345	2,914	3,758	6,907	8,121	8,114	9,547	9,313	7,947	6,998	2,983	2,861
1943	Wet	3,217	2,961	2,861	10,478	9,611	18,022	9,838	6,415	4,921	2,824	2,733	2,636
1944	Below Normal	3,163	2,797	2,347	2,392	3,217	3,847	5,291	4,207	2,300	1,620	1,632	1,936
1945	Above Normal	2,668	2,497	2,153	2,345	8,223	10,149	7,006	5,713	3,139	3,063	2,792	2,628
1946	Above Normal	3,435	2,648	7,391	5,765	5,964	5,999	6,295	5,657	2,929	1,871	1,854	2,176
1947	Dry	2,926	2,637	3,040	2,604	2,981	2,486	4,083	2,907	1,725	1,327	1,437	1,849
1948	Below Normal	2,509	2,172	1,806	1,724	2,255	2,339	4,260	3,387	2,302	1,784	1,566	1,885
1949	Below Normal	2,439	2,219	1,827	1,802	2,341	3,247	3,429	2,818	1,955	1,443	1,504	1,827
1950	Below Normal	2,351	2,213	1,896	2,157	2,502	2,889	4,263	3,396	2,477	1,513	1,525	1,931
1951	Above Normal	2,385	2,821	10,739	11,306	8,150	7,620	6,439	5,029	2,651	1,613	1,571	1,891
1952	Wet	2,482	2,141	2,366	6,051	4,573	12,969	11,447	15,501	11,577	8,423	4,454	4,087
1953	Below Normal	3,025	2,615	2,322	4,114	4,455	4,044	5,131	4,650	2,585	1,943	1,638	1,972
1954	Below Normal	2,570	2,162	1,836	1,808	2,349	2,847	4,585	3,872	2,057	1,480	1,514	1,838
1955	Dry	2,387	1,981	1,899	2,478	2,310	2,591	3,454	2,757	1,717	1,401	1,424	1,791
1956	Wet	2,164	1,984	5,773	16,820	11,418	8,368	6,865	7,503	9,593	6,318	3,035	2,777
1957	Below Normal	3,067	2,399	1,961	1,997	2,380	2,758	5,112	4,286	2,062	1,570	1,619	1,967
1958	Wet	2,712	2,191	1,983	2,180	3,750	11,616	17,797	13,702	11,746	6,062	3,106	3,676
1959	Dry	3,136	2,423	2,175	2,281	4,061	3,561	4,367	3,503	1,638	1,349	1,441	2,015
1960	Critical	2,389	2,016	1,694	1,635	2,462	2,308	2,796	2,515	1,312	1,063	1,222	1,596
1961	Critical	1,805	1,712	1,692	1,558	2,044	2,163	1,607	1,701	1,124	907	1,024	1,412
1962	Below Normal	1,727	1,794	1,634	1,399	5,366	4,408	5,676	4,545	1,966	1,593	1,605	1,924
1963	Above Normal	2,380	1,976	1,755	2,076	3,427	3,438	6,267	5,211	2,751	1,975	1,600	2,176
1964	Dry	2,670	2,473	1,983	2,241	2,322	2,388	2,916	2,595	1,587	1,337	1,354	1,757
1965	Wet	2,250	2,043	2,863	8,815	6,458	5,829	8,558	5,218	2,984	1,934	2,138	2,611
1966	Below Normal	2,920	3,369	4,509	4,176	4,652	3,383	3,409	2,769	1,580	1,398	1,568	1,685
1967	Wet	2,133	1,873	2,659	2,784	3,427	7,511	14,693	13,184	14,543	13,194	3,435	3,279
1968	Dry	3,421	2,244	1,989	2,214	2,483	3,106	3,921	3,539	1,713	1,440	1,517	1,862
1969	Wet	2,382	2,102	2,004	7,644	21,028	18,660	17,712	23,253	22,298	9,837	4,226	4,041
1970	Above Normal	4,092	2,964	3,540	16,865	8,731	8,590	5,370	4,266	2,353	1,935	1,603	2,121
1971	Below Normal	2,913	2,237	2,106	2,453	2,483	5,120	5,319	4,406	2,478	1,709	1,552	1,940
1972	Dry	2,987	2,085	1,967	1,624	2,301	2,301	4,030	3,098	1,625	1,436	1,462	1,686
1973	Above Normal	2,348	2,222	1,963	2,227	5,022	5,095	6,702	5,497	3,399	1,968	2,533	2,576
1974	Wet	3,348	2,816	4,398	5,881	4,584	8,915	7,720	5,726	5,825	3,390	2,822	2,862
1975	Wet	3,661	3,085	2,478	2,348	6,465	8,998	7,129	5,065	7,321	3,694	2,890	2,612
1976	Critical	3,908	2,813	2,023	2,048	2,308	2,414	3,333	2,734	1,358	1,278	1,531	1,649
1977	Critical	2,114	1,638	1,525	1,501	1,802	1,298	1,721	1,815	794	747	796	1,037
1978	Wet	1,461	1,559	1,500	3,086	5,476	6,821	10,910	9,021	9,792	4,349	2,888	3,353
1979	Above Normal	2,759	2,981	2,355	4,075	8,147	9,336	6,964	9,002	3,019	1,800	2,479	2,366
1980	Wet	3,216	2,573	2,139	9,837	16,298	15,612	7,081	7,306	11,003	7,287	3,173	2,763
1981	Dry	3,395	2,916	2,045	2,240	2,478	3,434	4,580	3,656	1,710	1,504	1,445	1,813
1982	Wet	2,643	2,164	2,126	3,636	13,338	15,732	24,552	16,486	10,797	8,432	4,669	7,487
1983	Wet	7,323	11,343	20,381	25,651	31,976	48,831	23,297	25,876	27,775	24,287	9,136	7,934
1984	Above Normal	4,879	16,570	24,040	15,421	10,022	8,651	6,738	5,357	3,136	2,124	2,381	3,228
1985	Dry	3,971	3,080	1,933	2,232	3,041	3,295	4,469	3,652	1,762	1,660	1,748	2,139
1986	Wet	2,725	2,445	2,108	1,895	11,475	23,845	12,063	10,036	9,080	3,057	3,006	3,508
1987	Critical	4,101	3,519	2,171	2,074	2,210	3,269	3,187	2,665	1,377	1,166	1,319	1,719
1988	Critical	2,269	1,964	1,659	1,661	1,983	1,850	2,165	1,994	1,138	846	1,038	1,437
1989	Critical	1,546	1,770	1,583	1,479	2,070	2,187	2,310	1,700	1,013	921	1,139	1,836
1990	Critical	1,880	1,827	1,533	1,437	2,083	1,809	1,436	1,906	1,022	808	972	1,404
1991	Critical	1,829	1,885	1,421	1,275	1,890	3,174	2,097	1,788	1,054	849	800	1,047
1992	Critical	1,668	1,717	1,313	1,229	2,659	2,332	1,504	1,200	605	553	596	961
1993	Wet	1,414	1,526	1,394	4,705	3,837	3,822	3,815	3,770	8,155	4,317	2,345	2,644
1994	Critical	2,740	2,337	1,666	1,541	2,244	1,974	1,898	2,121	1,122	906	930	1,238
1995	Wet	1,614	1,691	1,360	3,694	3,427	18,238	11,364	19,943	13,382	15,848	4,762	2,946
1996	Wet	3,256	2,721	2,116	2,699	11,533	10,786	8,095	7,545	5,683	2,521	2,598	2,753
1997	Wet	3,203	3,592	16,269	54,162	21,771	10,630	5,978	6,006	4,008	1,895	2,022	2,709
1998	Wet	3,061	2,183	2,015	4,193	19,652	13,961	13,507	14,520	17,441	19,097	5,596	4,853
1999	Above Normal	4,573	3,549	3,327	5,185	7,998	6,847	5,282	3,277	1,919	2,037	2,037	2,763
2000	Above Normal	2,852	2,308	1,692	2,229	9,338	9,367	6,662	5,669	4,058	1,778	1,952	2,565
2001	Dry	2,880	2,654	2,149	2,317	2,461	4,131	4,062	3,140	1,626	1,357	1,457	1,887
2002	Dry	2,303	2,069	2,053	2,464	2,287	2,659	3,133	2,671	1,524	1,267	1,384	1,747
2003	Below Normal	1,889	1,850	1,854	1,714	2,287	2,426	3,942	3,369	2,148	1,383	1,492	1,773

Simulated Exports Through Jones Pumping Plant (Node D418)
Existing Condition (cfs)

SAC		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,216	4,510	1,020	944	4,600	4,600	4,600	4,600	4,600	4,600
1923	Below Normal	4,055	4,263	4,270	3,572	4,430	3,040	1,016	800	3,387	4,600	4,600	4,600	4,600	4,600
1924	Critical	4,600	4,592	3,823	3,359	2,175	800	966	854	384	800	1,272	2,773		
1925	Dry	3,098	1,214	3,996	3,197	2,382	2,624	1,080	959	3,035	4,408	3,764	3,431		
1926	Dry	3,652	4,011	3,396	3,213	1,775	800	1,135	800	2,390	3,510	2,935	3,926		
1927	Wet	3,596	4,600	3,718	2,344	3,961	3,707	800	808	2,870	4,600	4,330	3,643		
1928	Above Normal	2,926	4,092	4,600	3,440	2,182	4,288	863	800	2,558	3,900	4,600	4,252		
1929	Critical	3,124	2,711	4,600	3,298	3,317	2,413	800	800	683	2,130	4,600	3,142		
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,376	2,407	2,972		
1931	Critical	3,211	3,300	3,177	3,184	3,622	1,224	800	800	390	600	1,239	2,870		
1932	Dry	3,082	2,244	4,600	3,423	4,120	1,037	800	800	713	800	3,134	4,600		
1933	Critical	3,157	2,907	4,072	3,895	1,739	1,397	800	800	579	800	4,525	4,287		
1934	Critical	3,222	2,272	2,682	587	844	1,023	800	800	451	600	1,240	2,703		
1935	Below Normal	2,794	3,225	4,204	3,511	2,922	2,500	850	800	3,017	3,455	1,875	4,478		
1936	Below Normal	4,229	3,780	4,250	2,216	1,575	2,135	1,026	800	2,761	4,324	3,158	4,600		
1937	Below Normal	4,241	4,200	4,044	2,264	1,151	1,126	1,129	1,218	1,451	3,296	2,512	4,600		
1938	Wet	3,492	4,600	3,537	830	936	2,075	2,380	4,313	4,600	4,600	4,600	4,600		
1939	Dry	3,905	800	4,600	3,398	4,322	1,774	800	800	448	4,600	3,436	4,359		
1940	Above Normal	3,507	3,781	2,379	2,590	3,327	4,600	1,144	800	2,743	3,963	4,284	3,511		
1941	Wet	3,288	3,132	4,248	3,993	4,600	4,600	1,405	1,410	3,950	4,600	4,600	4,600		
1942	Wet	3,462	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600		
1943	Wet	3,752	4,600	3,940	4,600	4,600	4,600	1,248	812	3,710	4,600	4,600	4,600		
1944	Dry	3,666	4,488	4,269	3,399	3,692	2,466	873	800	1,868	4,244	2,859	3,263		
1945	Below Normal	3,517	4,600	3,965	3,409	4,109	4,254	800	800	1,971	4,600	4,600	4,600		
1946	Below Normal	4,441	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600		
1947	Dry	4,559	4,600	4,325	4,099	3,534	1,341	1,008	800	1,711	4,600	3,447	4,127		
1948	Below Normal	3,626	4,467	3,549	2,022	800	2,530	800	800	2,681	3,804	4,600	4,600		
1949	Dry	4,600	4,422	4,273	3,214	3,324	1,941	800	800	1,734	4,600	4,053	4,600		
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,247	4,600	3,853	4,600		
1951	Above Normal	4,600	4,600	4,600	4,282	1,202	2,525	800	800	2,695	3,407	4,600	4,600		
1952	Wet	3,452	4,521	3,933	4,598	3,951	4,600	1,576	2,291	4,600	4,600	4,600	4,600		
1953	Wet	3,341	4,476	4,600	3,168	3,884	3,708	847	800	1,938	4,600	4,600	4,600		
1954	Above Normal	2,579	4,446	4,057	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600		
1955	Dry	3,332	4,528	4,600	3,565	3,628	2,507	851	800	583	4,600	4,046	4,600		
1956	Wet	3,368	4,095	4,600	4,600	4,600	1,840	852	930	4,244	4,600	4,600	4,600		
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287		
1958	Wet	4,600	4,600	3,707	2,531	4,097	3,997	2,395	1,989	4,600	4,600	4,600	4,600		
1959	Below Normal	3,768	4,600	4,456	2,168	3,070	3,287	1,078	857	1,664	4,584	4,600	3,542		
1960	Dry	3,689	3,508	3,650	3,185	2,240	2,432	800	1,222	1,522	4,069	2,879	4,408		
1961	Dry	3,617	4,164	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600		
1962	Below Normal	3,450	3,997	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,222		
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,887		
1964	Dry	3,338	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600		
1965	Wet	3,359	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600		
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,436		
1967	Wet	3,889	3,784	3,806	3,725	3,622	4,483	2,000	1,930	4,600	4,600	4,600	4,566		
1968	Below Normal	4,090	2,298	4,600	3,384	2,282	3,528	868	968	1,661	4,600	4,600	3,601		
1969	Wet	4,071	4,016	4,600	4,435	4,502	1,992	2,711	4,005	4,600	4,600	4,600	4,143		
1970	Wet	4,021	800	4,112	4,600	3,355	2,511	800	800	1,844	4,107	4,600	4,115		
1971	Wet	3,557	2,595	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,600	4,352		
1972	Below Normal	3,542	2,695	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,054		
1973	Above Normal	3,905	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	2,657		
1974	Wet	4,600	4,600	4,414	4,425	3,930	3,644	962	800	3,432	4,600	4,600	4,600		
1975	Wet	4,374	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600		
1976	Critical	4,600	3,983	4,600	3,724	4,600	2,947	1,294	800	439	2,590	980	1,720		
1977	Critical	2,704	3,696	3,066	2,959	3,518	800	800	800	185	600	4,065	1,574		
1978	Above Normal	2,408	1,592	2,921	2,880	4,600	4,600	1,688	1,456	4,600	4,600	4,600	4,600		
1979	Below Normal	3,885	3,953	4,395	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600		
1980	Above Normal	4,600	3,011	4,600	4,600	4,206	1,841	879	905	4,450	4,600	4,600	2,470		
1981	Dry	4,180	4,600	4,600	3,391	3,394	2,923	1,134	898	1,648	4,600	3,913	4,600		
1982	Wet	4,562	4,600	3,662	3,848	4,600	3,753	2,735	2,420	4,600	4,600	4,600	4,600		
1983	Wet	4,600	4,600	4,600	1,978	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600		
1984	Wet	2,104	1,524	1,487	1,979	2,770	2,515	837	800	2,030	4,600	4,600	4,600		
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541		
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,175	1,526	1,435	3,905	4,600	4,600	800		
1987	Dry	2,980	1,618	4,324	3,296	3,360	2,351	800	800	1,631	4,486	2,815	3,262		
1988	Critical	4,540	3,902	3,319	2,335	800	800	1,018	800	351	3,107	4,432	1,893		
1989	Dry	2,748	2,941	3,077	3,172	1,125	1,207	1,130	815	2,355	4,600	2,444	4,378		
1990	Critical	3,222	3,351	3,912	3,080	2,180	1,023	800	915	241	3,017	3,916	1,622		
1991	Critical	3,262	2,939	2,921	800	1,931	1,276	1,021	856	1,069	2,201	3,685	2,127		
1992	Critical	1,974	3,286	1,916	1,833	1,696	2,393	800	800	1,445	4,600	4,581	1,360		
1993	Above Normal	1,925	2,681	3,426	3,138	4,136	3,936	800	800	3,963	4,600	4,600	4,600		
1994	Critical	3,937	4,467	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,402	3,686		
1995	Wet	2,546	4,141	3,450	2,992	3,630	4,600	1,635	4,337	4,600	4,600	4,600	4,600		
1996	Wet	2,830	2,165	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600		
1997	Wet	3,054	4,600	4,600	4,600	4,600	3,563	800	800	3,167	4,334	4,600	4,600		
1998	Wet	3,194	2,628	4,600	3,006	4,600	4,600	1,827	2,083	4,600	4,600	4,600	4,600		
1999	Wet	4,600	4,600	4,042	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,911		
2000	Above Normal	2,539	4,600	3,862	2,220	4,600	4,600	827	800	3,287	3,093	4,600	4,600		
2001	Dry	2,798	4,600	3,966	3,464	3,050	2,973	1,002	800	1,617	4,600	3,161	3,459		
2002	Dry	4,105	3,222	3,914	2,649	2,586	2,604	800	800	1,672	4,600	4,600	3,967		
2003	Above Normal	4,197	4,389	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,681		

Simulated Exports Through Jones Pumping Plant (Node D418)
Alternative 5 (cfs)
SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,600	4,600	4,600	3,559	3,219	4,518	1,020	944	4,600	4,600	4,600	4,600
1923	Below Normal	4,156	4,600	4,270	3,522	4,387	3,043	1,016	800	3,370	4,600	3,708	4,600
1924	Critical	4,600	4,085	3,320	3,262	2,175	800	966	854	385	800	2,013	2,792
1925	Dry	3,093	1,155	3,998	3,197	2,382	2,625	1,080	959	2,907	4,159	3,912	3,356
1926	Dry	3,654	4,047	3,396	3,213	1,775	800	1,135	833	2,391	3,882	3,064	3,980
1927	Wet	3,598	4,600	3,718	2,344	3,961	3,707	808	800	2,870	4,600	4,420	3,624
1928	Above Normal	2,947	4,079	4,600	3,440	2,182	4,288	863	800	2,558	3,893	4,600	4,264
1929	Critical	3,125	2,722	4,600	3,298	3,317	2,414	800	800	683	2,128	4,600	3,142
1930	Dry	3,377	2,786	3,319	2,380	2,498	2,527	1,394	1,216	1,614	3,419	2,406	2,938
1931	Critical	3,211	3,299	3,177	3,184	3,622	1,225	800	800	390	600	1,239	2,873
1932	Dry	3,078	2,241	4,600	3,423	4,161	1,037	800	800	713	800	3,135	4,600
1933	Critical	3,148	2,897	4,073	3,895	1,854	1,397	800	800	579	800	4,528	4,287
1934	Critical	3,217	2,275	2,697	589	846	1,024	800	800	451	600	1,240	2,701
1935	Below Normal	2,933	3,223	4,205	3,511	2,923	2,500	850	800	3,018	3,456	1,875	4,477
1936	Below Normal	4,229	3,779	4,251	2,216	1,801	2,238	1,026	800	2,761	4,334	3,158	4,600
1937	Below Normal	4,240	4,199	4,044	3,448	1,151	1,681	989	883	968	3,278	2,511	4,600
1938	Wet	3,493	4,600	4,600	1,671	932	2,630	2,129	2,520	4,600	4,600	4,600	4,490
1939	Dry	3,924	1,075	4,600	3,398	4,321	1,774	800	860	448	4,600	3,201	4,258
1940	Above Normal	3,869	3,787	2,383	2,596	3,327	4,600	1,144	800	2,743	3,961	4,600	3,955
1941	Wet	3,294	2,955	4,248	3,993	4,600	4,600	1,405	1,313	3,916	4,600	4,600	4,600
1942	Wet	3,476	4,600	4,209	4,600	4,600	4,600	1,188	1,157	3,865	4,600	4,600	4,600
1943	Wet	3,751	4,600	3,940	4,600	4,600	4,600	1,224	800	4,054	4,600	4,600	4,600
1944	Dry	3,700	4,600	4,261	3,399	3,692	2,466	873	800	1,868	4,152	2,779	3,252
1945	Below Normal	3,516	4,600	3,965	3,409	3,710	4,600	800	800	1,971	4,600	4,600	4,600
1946	Below Normal	4,107	4,600	4,600	4,135	4,600	3,396	800	800	1,974	4,600	4,600	4,600
1947	Dry	4,557	4,600	4,322	4,099	3,534	1,341	1,008	800	1,711	4,600	3,411	4,106
1948	Below Normal	3,632	4,468	3,547	2,022	800	2,530	800	800	2,681	3,812	4,600	4,600
1949	Dry	4,600	4,421	4,272	3,214	3,324	1,941	800	800	1,734	4,600	4,054	4,600
1950	Below Normal	4,314	4,600	4,594	2,232	2,589	3,445	800	800	3,249	4,256	3,853	4,600
1951	Above Normal	4,600	4,600	4,600	4,275	1,540	2,525	800	800	2,695	3,407	4,600	4,600
1952	Wet	3,452	4,521	3,933	4,564	3,962	4,600	1,426	1,930	4,600	4,600	4,600	4,600
1953	Wet	3,300	4,600	4,600	2,717	3,884	3,708	847	800	1,937	4,600	4,600	4,600
1954	Above Normal	2,581	4,349	4,058	2,058	2,514	3,456	800	800	2,621	2,881	4,600	4,600
1955	Dry	3,341	4,534	4,600	3,565	3,628	2,507	851	800	583	4,600	4,039	4,600
1956	Wet	3,367	4,101	4,600	4,600	4,600	2,258	852	930	4,244	4,600	4,600	4,600
1957	Above Normal	3,646	4,600	4,206	3,295	1,907	1,310	844	800	1,733	4,091	4,600	4,287
1958	Wet	4,600	4,600	3,707	2,531	4,097	4,552	2,220	1,707	4,600	4,600	4,600	4,600
1959	Below Normal	3,768	4,600	4,455	2,168	3,070	3,421	1,078	857	1,664	4,584	4,600	3,523
1960	Dry	3,691	3,509	3,648	3,185	2,240	2,432	800	1,222	1,522	4,069	2,869	4,411
1961	Dry	3,616	4,160	4,600	3,291	2,049	3,302	800	802	352	4,600	3,434	4,600
1962	Below Normal	3,450	3,999	2,928	3,821	3,134	3,833	938	800	1,712	4,600	4,600	4,223
1963	Wet	4,600	4,600	3,537	2,404	2,903	3,562	800	800	3,203	4,600	4,600	2,853
1964	Dry	3,351	4,600	4,600	3,400	2,842	2,661	800	800	715	4,600	4,600	4,600
1965	Wet	3,358	3,011	3,905	4,600	4,366	4,221	1,064	800	2,832	4,600	4,600	4,600
1966	Below Normal	3,269	4,600	4,600	3,903	3,991	3,012	800	800	1,674	4,600	4,600	4,378
1967	Wet	3,888	3,784	3,806	3,725	3,622	4,482	1,832	1,641	4,600	4,600	4,600	4,600
1968	Below Normal	4,030	4,567	4,600	3,384	2,282	3,528	968	868	1,661	4,600	4,600	3,601
1969	Wet	4,070	4,046	4,600	3,920	4,600	1,992	2,208	4,342	4,600	4,600	4,600	4,337
1970	Wet	4,016	800	4,112	4,600	3,253	2,527	800	800	1,844	4,113	4,600	4,085
1971	Wet	3,569	2,597	3,949	3,305	3,351	4,041	878	800	2,647	4,600	4,451	4,351
1972	Below Normal	3,542	2,693	4,600	3,216	1,810	2,334	800	800	1,644	4,584	4,600	4,055
1973	Above Normal	3,903	4,600	3,681	2,893	4,375	4,111	832	800	2,844	4,600	4,600	3,774
1974	Wet	3,931	4,600	4,414	4,232	3,930	4,600	959	800	3,430	4,600	4,600	4,600
1975	Wet	4,371	4,600	4,600	3,388	3,229	4,600	886	800	3,755	4,600	4,600	4,600
1976	Critical	4,600	4,003	4,600	3,725	4,600	2,947	1,294	800	439	2,630	987	1,722
1977	Critical	2,657	3,690	3,060	2,952	3,511	800	800	800	183	600	4,082	1,574
1978	Above Normal	2,403	1,622	2,911	2,880	4,333	4,441	1,359	1,121	4,478	4,600	4,600	4,600
1979	Below Normal	3,880	4,600	4,414	3,922	4,600	4,600	864	1,116	1,955	4,600	4,600	4,600
1980	Above Normal	4,409	3,165	4,600	4,247	4,600	1,826	879	905	4,393	4,600	4,600	3,691
1981	Dry	3,746	3,867	4,600	3,391	3,394	2,472	1,134	898	1,648	4,600	3,907	4,506
1982	Wet	4,562	4,600	3,662	3,848	4,600	4,308	2,735	2,054	4,600	4,600	4,600	4,600
1983	Wet	4,600	4,600	4,600	3,170	2,311	1,993	2,731	3,964	4,600	4,600	4,600	4,600
1984	Wet	2,104	1,524	1,487	1,979	2,792	2,515	837	800	2,030	4,600	4,600	4,600
1985	Dry	3,324	4,600	4,600	3,385	3,537	2,927	1,104	895	1,673	4,600	4,383	4,541
1986	Wet	4,550	4,600	4,274	2,133	4,600	3,482	1,502	1,246	3,819	4,600	4,600	800
1987	Dry	2,982	1,934	4,319	3,296	3,360	2,351	800	800	1,631	4,447	2,769	3,258
1988	Critical	4,540	3,903	3,319	2,335	800	800	1,018	800	351	3,067	4,426	1,902
1989	Dry	2,749	2,941	3,072	3,172	1,124	1,207	1,130	815	2,355	4,600	2,461	4,375
1990	Critical	3,221	3,349	3,911	3,080	2,179	1,023	800	915	241	3,018	3,918	1,623
1991	Critical	3,261	2,940	2,919	800	1,932	1,276	1,021	856	1,069	2,170	3,702	2,124
1992	Critical	1,973	3,288	1,917	1,822	1,696	2,393	800	800	1,445	4,600	4,580	1,356
1993	Above Normal	1,925	2,679	3,425	3,138	4,135	3,936	800	800	3,963	4,600	4,600	4,600
1994	Critical	3,937	4,453	4,600	3,200	3,309	2,319	924	1,026	244	4,600	4,403	3,688
1995	Wet	2,547	4,141	3,450	2,990	3,630	4,600	1,414	2,484	4,600	4,600	4,600	4,600
1996	Wet	2,752	3,892	3,774	2,814	4,600	4,600	1,005	934	3,353	4,600	4,600	4,600
1997	Wet	3,053	4,600	4,600	4,600	4,600	3,794	800	800	3,216	3,582	4,600	4,600
1998	Wet	3,277	2,475	4,600	3,003	4,600	4,600	1,682	1,806	4,600	4,600	4,600	4,600
1999	Wet	4,600	4,600	4,041	4,088	4,600	4,600	850	800	2,865	4,600	4,600	3,839
2000	Above Normal	2,584	4,600	3,869	2,220	4,600	4,600	827	800	3,287	3,096	4,600	4,600
2001	Dry	2,794	4,600	4,062	3,464	3,050	2,973	1,002	800	1,617	4,600	3,103	3,460
2002	Dry	4,105	3,221	3,914	2,649	2,585	2,604	800	800	1,672	4,600	4,600	3,940
2003	Above Normal	4,197	4,393	3,761	2,280	3,325	3,353	800	800	2,515	4,580	4,600	3,686

Simulated Exports Through Banks Pumping Plant (Node D419)

Existing Condition (cfs)

SAC		Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,959	5,601	7,186	3,559	3,216	4,510	1,020	944	6,191	7,005	7,180	6,680		
1923	Below Normal	4,055	3,867	4,270	3,572	4,120	2,868	1,016	700	2,628	7,005	7,180	6,680		
1924	Critical	4,494	3,129	2,819	3,039	2,175	300	300	656	300	6,690	300	574		
1925	Dry	2,268	2,888	3,996	3,197	2,382	4,289	1,080	959	2,368	7,180	4,672	6,680		
1926	Dry	2,996	2,712	2,755	3,213	1,775	300	1,135	866	2,390	6,915	4,312	3,523		
1927	Wet	1,492	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680		
1928	Above Normal	3,235	3,300	7,103	3,440	2,182	4,288	863	700	2,558	6,567	6,748	6,680		
1929	Critical	3,586	2,505	4,682	3,298	3,317	2,874	1,605	1,136	300	300	316	826		
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,777	6,680		
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,267	300	450		
1932	Dry	993	1,525	7,175	3,423	4,090	4,058	300	700	300	7,005	5,332	2,384		
1933	Critical	2,177	1,906	2,174	2,672	4,862	1,634	753	700	300	2,025	505	882		
1934	Critical	1,045	1,167	4,041	5,971	4,237	1,531	300	773	300	677	323	514		
1935	Below Normal	1,450	3,225	3,776	3,511	2,838	2,500	850	700	2,311	7,005	7,180	6,680		
1936	Below Normal	3,838	2,803	3,070	2,216	8,437	7,201	1,026	700	2,761	7,005	7,180	6,459		
1937	Below Normal	4,600	2,742	6,488	5,008	8,500	6,244	1,129	1,218	4,366	7,005	5,994	3,132		
1938	Wet	4,968	6,680	6,090	7,618	6,858	6,581	2,380	6,177	6,680	7,005	7,180	4,619		
1939	Dry	3,905	1,309	6,112	3,398	2,732	1,774	512	921	300	6,829	5,538	6,830		
1940	Above Normal	2,018	1,039	3,390	2,590	3,327	5,688	1,144	700	2,743	6,612	6,680	6,680		
1941	Wet	3,288	2,113	4,248	3,993	8,500	7,561	1,405	1,410	3,950	7,005	7,180	6,201		
1942	Wet	3,462	1,625	4,209	4,978	5,168	4,938	1,188	1,157	3,865	7,005	7,180	5,712		
1943	Wet	3,752	2,359	3,940	5,895	6,045	7,561	1,248	812	2,761	6,797	7,180	6,448		
1944	Dry	3,666	1,151	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,561	2,612		
1945	Below Normal	2,064	6,680	3,965	3,409	4,109	6,583	870	700	1,971	6,901	7,180	6,680		
1946	Below Normal	5,620	6,680	5,642	4,135	2,986	3,396	762	700	1,974	6,823	6,893	6,680		
1947	Dry	5,193	4,877	4,325	2,839	3,534	1,341	1,008	700	1,711	6,929	5,855	6,680		
1948	Below Normal	4,234	3,527	2,269	2,022	300	2,530	700	2,681	7,005	7,005	7,180	6,680		
1949	Dry	3,613	2,682	4,273	3,214	3,324	1,941	700	700	1,734	6,915	5,839	6,680		
1950	Below Normal	1,652	1,914	2,198	2,232	2,589	3,445	700	700	2,101	7,005	7,180	6,680		
1951	Above Normal	5,711	6,680	7,678	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974		
1952	Wet	3,452	4,809	3,933	4,598	3,951	7,561	1,576	2,291	5,777	6,680	7,180	5,792		
1953	Wet	3,341	1,950	7,104	3,168	3,884	3,708	847	728	1,938	7,005	7,180	6,680		
1954	Above Normal	2,579	796	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680		
1955	Dry	3,332	3,826	7,027	3,565	3,018	2,402	851	700	300	6,929	3,609	5,309		
1956	Wet	1,947	3,880	5,996	8,500	6,716	6,484	852	930	4,244	7,005	7,180	5,673		
1957	Above Normal	3,646	2,230	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680		
1958	Wet	6,680	3,544	3,707	2,531	4,097	7,561	2,395	1,989	5,277	7,005	7,180	6,680		
1959	Below Normal	3,768	2,611	7,078	2,168	3,070	3,843	1,078	857	1,664	6,929	6,930	6,930		
1960	Dry	4,011	2,760	2,348	3,185	2,240	2,432	300	1,222	1,522	6,915	5,965	6,922		
1961	Dry	1,436	4,164	6,989	3,291	2,049	3,302	758	802	85	7,077	3,426	2,914		
1962	Below Normal	853	2,679	2,928	2,483	3,134	3,833	938	700	1,712	7,180	7,079	6,680		
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680		
1964	Dry	3,980	6,680	6,053	3,400	2,737	2,177	700	700	300	6,915	4,220	6,698		
1965	Wet	2,927	3,011	3,905	5,512	4,366	4,221	1,064	700	2,832	7,005	7,180	6,561		
1966	Below Normal	3,269	5,350	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930		
1967	Wet	3,379	3,784	3,806	3,725	3,622	4,483	2,000	1,930	6,680	6,970	7,180	6,680		
1968	Below Normal	4,090	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930		
1969	Wet	4,778	4,016	7,046	4,435	3,771	3,852	2,711	4,346	6,680	6,680	6,680	4,468		
1970	Wet	4,021	300	4,112	8,500	6,676	6,650	700	700	1,844	7,115	7,030	4,115		
1971	Wet	3,557	5,487	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680		
1972	Below Normal	3,542	347	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078		
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,022		
1974	Wet	5,411	6,680	4,414	4,425	3,930	6,017	962	700	3,432	7,005	7,180	6,135		
1975	Wet	4,374	2,738	7,133	3,388	3,229	5,625	886	700	3,755	7,005	7,180	6,680		
1976	Critical	6,031	1,701	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,492	6,953		
1977	Critical	3,226	1,460	1,174	1,772	697	300	300	557	262	552	300	1,371		
1978	Above Normal	300	1,690	2,921	2,880	4,706	4,954	1,688	1,456	5,346	7,005	7,180	6,680		
1979	Below Normal	3,885	2,853	7,110	3,922	5,343	4,855	864	1,116	1,955	7,005	7,180	5,118		
1980	Above Normal	4,612	3,011	7,071	6,095	4,813	4,271	879	905	4,450	7,005	7,180	646		
1981	Dry	3,759	1,512	7,054	3,391	3,394	2,923	1,134	898	1,648	6,929	5,910	6,930		
1982	Wet	3,161	6,680	3,662	3,848	7,955	7,232	6,125	2,420	5,213	7,005	7,180	6,680		
1983	Wet	6,680	6,680	6,741	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350		
1984	Wet	6,451	6,100	6,760	6,720	6,787	6,533	837	700	2,030	6,680	6,934	5,818		
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779		
1986	Wet	4,567	5,784	4,274	2,133	8,439	6,600	1,526	1,435	4,453	7,115	5,533	6,680		
1987	Dry	3,596	300	7,077	3,296	3,360	2,351	549	1,794	1,631	5,012	1,053	2,302		
1988	Critical	461	849	3,319	2,335	456	1,651	1,018	972	300	5,022	300	1,262		
1989	Dry	300	2,941	3,077	3,172	1,113	1,207	1,130	815	2,355	6,915	6,408	7,160		
1990	Critical	3,318	2,305	3,243	3,080	2,160	1,023	300	915	241	6,929	647	1,824		
1991	Critical	375	505	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	615		
1992	Critical	714	526	1,386	1,346	1,696	2,393	700	700	1,445	1,599	300	2,133		
1993	Above Normal	1,925	494	3,426	3,138	4,136	3,936	700	700	3,963	7,005	7,180	6,680		
1994	Critical	3,937	1,082	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,820	3,448		
1995	Wet	928	1,953	3,450	2,992	3,630	7,561	1,635	6,177	6,680	6,680	7,180	6,680		
1996	Wet	2,830	2,614	3,774	2,814	7,842	6,904	1,005	934	3,353	7,005	7,180	6,680		
1997	Wet	2,988	1,883	7,678	8,500	8,500	7,230	700	759	2,872	6,031	7,030	6,680		
1998	Wet	3,194	2,033	7,048	3,006	8,500	7,561	1,827	2,083	6,680	6,843	7,180	6,680		
1999	Wet	6,680	6,680	4,042	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,911		
2000	Above Normal	2,539	530	6,989	2,220	5,162	5,699	827	700	2,622	6,670	7,030	6,680		
2001	Dry	2,798	1,228	7,073	3,464	3,050	2,973	1,002	733	1,617	6,664	779	3,371		
2002	Dry	300	3,222	3,914	2,649	3,868	2,604	740	700	1,672	6,929	2,833	6,740		
2003	Above Normal	300	1,720	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680		

Simulated Exports Through Banks Pumping Plant (Node D419)

Alternative 5 (cfs)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,959	5,601	7,186	3,559	3,219	4,518	1,020	944	6,191	7,005	7,180	6,680
1923	Below Normal	4,156	4,385	4,270	3,522	4,142	2,871	1,016	700	2,471	7,005	7,180	6,680
1924	Critical	4,468	3,116	2,806	3,136	2,175	300	300	656	300	6,284	300	555
1925	Dry	2,274	2,839	3,998	3,197	2,382	4,288	1,080	959	2,495	7,180	4,503	6,680
1926	Dry	3,007	2,721	2,755	3,213	1,775	300	1,135	833	2,391	6,915	4,230	3,677
1927	Wet	1,491	6,680	3,718	2,344	3,961	3,707	808	700	2,870	7,005	7,180	6,680
1928	Above Normal	3,235	3,278	7,103	3,440	2,182	4,288	863	700	2,558	6,564	6,748	6,680
1929	Critical	3,585	2,506	4,681	3,298	3,317	2,872	1,605	1,136	300	300	316	826
1930	Dry	1,128	960	3,319	2,380	2,498	2,527	1,394	1,216	1,614	6,915	3,779	6,680
1931	Critical	1,913	1,622	1,350	3,184	2,030	859	300	300	300	4,313	300	447
1932	Dry	996	1,526	7,175	3,423	4,131	4,058	300	700	300	7,005	5,279	2,384
1933	Critical	2,186	1,916	2,175	2,671	4,748	1,634	753	700	300	2,065	505	883
1934	Critical	1,044	1,174	4,035	5,970	4,236	1,529	300	773	300	679	323	515
1935	Below Normal	1,311	3,223	3,779	3,511	2,839	2,500	850	700	2,311	7,005	7,180	6,680
1936	Below Normal	3,833	2,797	3,071	2,216	8,437	7,099	1,026	700	2,761	7,005	7,180	6,441
1937	Below Normal	4,601	2,743	6,488	3,824	8,500	6,348	989	883	4,851	7,005	5,765	3,137
1938	Wet	4,969	6,680	5,027	6,660	7,294	6,690	2,129	2,520	6,413	7,005	7,180	5,826
1939	Dry	3,924	1,850	5,805	3,398	2,733	1,774	523	860	300	6,829	5,434	6,830
1940	Above Normal	1,655	1,033	3,347	2,596	3,327	5,688	1,144	700	2,743	6,611	6,680	6,680
1941	Wet	3,294	2,173	4,248	3,993	8,356	7,561	1,405	1,313	3,916	7,005	7,180	6,201
1942	Wet	3,476	1,658	4,209	4,666	5,069	4,938	1,188	1,157	3,865	7,005	7,180	6,190
1943	Wet	3,751	2,343	3,940	4,805	5,984	7,561	1,224	789	2,413	6,798	7,180	6,407
1944	Dry	3,700	1,655	7,109	3,399	3,692	2,466	873	700	1,868	6,915	5,655	2,617
1945	Below Normal	2,064	6,680	3,965	3,409	3,710	6,237	870	700	1,971	6,901	7,180	6,680
1946	Below Normal	5,650	6,680	5,641	4,135	3,150	3,396	762	700	1,974	6,823	6,893	6,680
1947	Dry	5,119	4,878	4,322	2,839	3,534	1,341	1,008	700	1,711	6,929	5,872	6,680
1948	Below Normal	4,237	3,527	2,267	2,022	300	2,530	700	700	2,681	7,005	7,180	6,680
1949	Dry	3,612	2,686	4,272	3,214	3,324	1,941	700	700	1,734	6,915	5,838	6,680
1950	Below Normal	1,607	1,914	2,198	2,232	2,589	3,445	700	700	2,099	7,005	7,180	6,680
1951	Above Normal	5,709	6,680	7,649	6,277	6,313	6,401	797	700	2,695	6,058	6,680	5,974
1952	Wet	3,452	4,811	3,933	4,564	3,962	7,561	1,426	1,930	5,008	6,680	7,180	6,339
1953	Wet	3,300	3,264	7,104	2,717	3,884	3,708	847	727	1,937	7,005	7,180	6,680
1954	Above Normal	2,581	749	7,016	2,058	2,514	3,456	713	700	2,621	6,252	7,030	6,680
1955	Dry	3,341	3,847	7,027	3,565	3,017	2,402	851	700	300	6,929	3,607	5,140
1956	Wet	1,949	3,881	5,138	8,500	6,813	6,484	852	930	4,244	7,005	7,180	5,702
1957	Above Normal	3,646	2,231	7,038	3,295	1,907	1,310	844	700	1,733	6,667	7,180	6,680
1958	Wet	6,680	3,543	3,707	2,531	4,097	7,561	2,220	1,707	5,046	7,005	7,180	6,680
1959	Below Normal	3,768	2,704	7,078	2,168	3,070	3,710	1,078	857	1,664	6,929	6,930	6,930
1960	Dry	3,985	2,700	2,326	3,185	2,240	2,432	300	1,222	1,522	6,915	6,008	6,922
1961	Dry	1,521	4,160	6,989	3,291	2,049	3,302	758	802	85	7,077	3,425	2,913
1962	Below Normal	853	2,680	2,928	2,484	3,134	3,833	938	700	1,712	7,180	7,079	6,680
1963	Wet	6,680	6,680	3,537	2,404	2,903	3,562	756	700	2,276	7,005	7,180	6,680
1964	Dry	3,980	6,680	6,041	3,400	2,737	2,177	700	700	300	6,915	4,228	6,698
1965	Wet	2,939	3,011	3,905	5,448	4,366	4,221	1,064	700	2,832	7,005	7,180	6,563
1966	Below Normal	3,269	5,173	7,504	3,903	3,991	3,012	700	700	1,674	6,915	6,930	6,930
1967	Wet	3,383	3,784	3,806	3,725	3,622	4,482	1,832	1,641	6,274	6,970	7,180	6,680
1968	Below Normal	4,030	2,451	7,044	3,384	2,282	3,528	968	868	1,661	6,898	6,930	6,930
1969	Wet	4,453	4,046	7,046	3,920	5,056	4,065	2,208	4,797	6,680	6,680	6,680	4,450
1970	Wet	4,016	300	4,112	8,500	6,778	6,649	700	700	1,844	7,115	7,030	4,085
1971	Wet	3,569	5,445	3,949	3,305	3,351	4,041	878	700	2,647	7,005	7,180	6,680
1972	Below Normal	3,542	343	7,040	3,216	1,810	2,334	1,188	712	1,644	6,915	7,180	7,078
1973	Above Normal	4,930	6,680	3,681	2,893	4,375	4,111	832	700	2,844	6,781	6,906	5,021
1974	Wet	5,387	6,680	4,414	4,232	3,930	5,061	959	700	3,430	7,005	7,180	6,680
1975	Wet	4,371	2,601	7,133	3,388	3,229	5,634	886	700	3,755	7,005	7,180	6,680
1976	Critical	6,068	1,713	7,050	2,884	2,058	2,842	1,294	1,106	300	6,977	4,448	6,953
1977	Critical	3,205	1,461	1,178	1,762	697	300	300	559	264	552	300	1,372
1978	Above Normal	300	1,716	2,911	2,880	4,333	4,441	1,359	1,121	4,161	7,005	7,180	6,680
1979	Below Normal	3,880	3,623	7,110	3,922	5,295	4,769	864	1,116	1,955	7,005	7,180	5,972
1980	Above Normal	5,408	3,165	7,071	4,247	6,020	4,488	879	905	4,393	7,005	6,643	3,138
1981	Dry	3,700	383	7,054	3,391	3,394	2,472	1,134	898	1,648	6,929	5,871	6,930
1982	Wet	3,315	6,680	3,662	3,848	7,893	7,407	6,125	2,054	4,699	7,005	7,180	6,680
1983	Wet	6,680	6,680	7,678	4,058	3,936	3,460	2,300	2,026	4,808	6,680	6,680	4,350
1984	Wet	6,451	6,100	6,755	6,720	6,785	6,533	837	700	2,030	6,680	6,934	5,819
1985	Dry	3,919	6,680	7,033	3,385	3,537	2,927	1,104	895	1,673	6,915	4,693	6,779
1986	Wet	4,567	5,784	4,274	2,133	6,396	7,561	1,502	1,246	4,366	7,115	6,691	5,567
1987	Dry	3,600	387	7,077	3,296	3,360	2,351	551	1,794	1,631	4,840	1,054	2,303
1988	Critical	460	847	3,319	2,335	457	1,652	1,018	972	300	5,026	300	1,262
1989	Dry	300	2,941	3,072	3,172	1,112	1,207	1,130	815	2,355	6,915	6,313	7,160
1990	Critical	3,339	2,303	3,279	3,080	2,160	1,023	300	915	241	6,929	647	1,824
1991	Critical	374	506	1,287	300	1,272	1,276	1,021	856	2,097	6,977	339	613
1992	Critical	710	523	1,386	1,336	1,696	2,393	700	700	1,445	1,591	300	2,132
1993	Above Normal	1,925	493	3,425	3,138	4,135	3,936	700	700	3,963	7,005	7,180	6,680
1994	Critical	3,937	1,073	6,984	3,200	3,309	2,319	924	1,026	244	6,977	2,822	3,446
1995	Wet	927	1,954	3,450	2,990	3,630	7,561	1,414	2,484	5,728	6,680	7,180	6,680
1996	Wet	2,752	2,263	3,774	2,814	7,838	6,730	1,005	934	3,353	7,005	7,180	6,680
1997	Wet	3,000	1,887	7,678	8,500	8,500	6,998	700	700	2,768	6,680	7,030	6,680
1998	Wet	3,277	1,457	7,048	3,003	8,500	7,561	1,682	1,806	6,680	6,843	7,180	6,680
1999	Wet	6,680	6,680	4,041	4,088	7,253	4,961	850	700	2,865	7,005	7,180	3,839
2000	Above Normal	2,584	475	6,989	2,220	5,102	5,654	827	700	2,622	6,670	7,030	6,680
2001	Dry	2,794	1,226	6,874	3,464	3,050	2,973	1,002	733	1,617	6,838	774	3,372
2002	Dry	300	3,221	3,914	2,649	3,867	2,604	740	700	1,672	6,929	2,757	6,895
2003	Above Normal	300	1,710	3,761	2,280	3,325	3,353	700	700	2,515	7,005	7,180	6,680

Simulated Delta Outflow (Node C406)
Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,000	4,573	8,643	12,582	38,547	27,287	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,449	28,507	15,652	9,731	28,544	18,759	7,395	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,861	12,829	9,729	6,838	4,554	4,000	4,057	4,265	3,000
1925	Dry	3,000	4,746	6,968	8,197	71,022	12,819	29,103	17,529	6,052	5,000	3,908	3,763
1926	Dry	4,000	4,500	4,500	13,736	45,784	12,516	26,064	10,317	5,313	5,000	3,771	3,000
1927	Wet	4,000	13,471	14,309	32,183	123,586	41,799	52,715	27,489	13,238	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,846	22,620	83,504	27,647	10,514	8,357	10,796	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,767	18,724	16,275	30,158	12,393	9,335	7,031	5,000	3,968	3,539
1931	Critical	4,000	4,500	4,500	9,829	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,859	13,675	17,089	14,946	10,448	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,220	7,772	13,453	9,558	8,078	7,243	4,000	3,028	3,000
1934	Critical	3,237	4,257	9,674	14,258	14,096	10,625	9,673	7,031	7,100	4,000	3,595	3,000
1935	Below Normal	3,000	6,205	3,680	28,620	10,144	27,101	53,978	21,311	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,130	80,304	32,439	27,832	17,506	9,319	6,500	4,000	4,026
1937	Below Normal	4,000	4,500	5,300	10,571	46,723	49,321	27,840	20,023	10,540	6,500	4,000	3,000
1938	Wet	4,000	16,451	62,701	27,585	146,268	168,808	78,004	68,333	38,112	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,679	6,871	8,329	10,184	9,673	9,107	5,750	5,000	4,072	4,128
1940	Above Normal	4,000	4,500	4,500	34,080	64,932	108,798	71,910	18,365	6,166	10,339	4,000	11,563
1941	Wet	5,938	10,625	37,481	97,479	117,345	89,197	77,818	48,377	13,338	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,031	78,432	136,485	23,690	54,800	40,451	22,690	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,410	79,608	54,829	86,051	33,920	19,695	7,679	10,339	4,000	19,531
1944	Dry	7,500	12,514	5,090	11,278	23,061	18,762	12,498	10,389	6,508	5,000	3,783	3,036
1945	Below Normal	4,000	6,001	10,828	9,268	52,936	22,234	17,088	15,811	7,282	6,500	4,000	3,868
1946	Below Normal	4,284	5,028	67,028	46,193	15,036	18,055	18,055	16,160	6,692	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,450	7,464	14,019	20,031	13,169	8,135	7,100	5,000	4,311	3,695
1948	Below Normal	4,000	4,500	4,508	12,625	11,145	13,395	26,934	30,180	14,799	6,500	4,000	4,047
1949	Dry	4,000	4,500	6,235	7,620	7,982	46,552	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,862	35,749	16,395	22,187	15,303	7,636	6,643	4,000	4,212
1951	Above Normal	4,423	44,786	100,165	67,172	69,478	29,251	18,776	19,060	5,813	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,696	82,178	74,675	62,784	75,164	75,194	37,257	11,708	6,560	18,906
1953	Wet	9,375	13,340	28,655	99,143	20,989	16,041	19,421	26,445	20,631	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,848	23,333	52,065	43,369	43,708	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,837	17,366	8,906	8,160	12,781	11,712	6,520	5,000	3,906	3,531
1956	Wet	4,000	4,500	91,250	163,624	82,041	37,916	23,023	45,756	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,920	44,636	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,141	10,156	17,280	39,117	150,856	117,613	103,525	55,788	30,546	8,000	6,031	18,125
1959	Below Normal	9,219	13,595	5,072	21,540	48,739	12,078	10,577	9,621	7,100	8,308	4,000	4,606
1960	Dry	4,000	4,500	4,500	8,897	28,519	17,241	12,125	9,388	6,422	5,099	4,211	3,926
1961	Dry	4,000	5,699	8,487	8,976	33,039	13,935	8,860	8,314	7,100	5,000	3,951	3,000
1962	Below Normal	4,000	4,500	11,448	6,000	57,823	21,151	15,972	14,331	6,167	7,346	4,000	3,798
1963	Wet	29,357	5,771	23,187	16,740	74,782	23,450	97,294	30,772	8,479	10,645	4,000	20,078
1964	Dry	7,813	15,625	4,655	20,288	9,684	7,912	10,189	10,218	7,856	5,000	3,901	4,278
1965	Wet	4,000	11,219	78,769	113,428	32,999	17,253	50,528	20,619	9,868	8,627	4,000	20,000
1966	Below Normal	7,813	15,469	6,711	24,645	20,514	18,743	13,495	10,198	6,422	8,292	4,000	4,279
1967	Wet	4,000	9,620	35,377	49,973	50,705	55,955	57,456	57,721	41,627	14,314	4,931	19,531
1968	Below Normal	8,125	13,813	5,218	21,833	58,583	30,016	11,290	10,961	6,258	8,642	4,000	3,722
1969	Wet	4,000	5,845	15,103	118,572	135,706	66,477	60,224	64,655	34,667	8,000	4,000	22,188
1970	Wet	7,031	14,607	52,271	207,212	75,482	37,004	13,563	13,225	7,610	10,840	4,000	18,594
1971	Wet	8,438	15,313	49,791	47,951	19,098	41,070	26,094	29,829	14,858	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,267	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,775	80,291	88,155	54,599	19,666	19,045	9,383	8,347	4,000	11,875
1974	Wet	6,094	51,156	63,984	131,775	38,719	107,386	69,175	24,178	15,301	8,000	5,589	18,594
1975	Wet	8,438	14,544	5,568	10,130	57,405	82,799	26,916	31,984	20,652	8,000	4,182	19,375
1976	Critical	8,281	15,625	5,094	6,484	7,990	9,120	4,000	4,000	4,237	3,477	3,008	3,008
1977	Critical	5,618	3,500	4,433	6,427	7,714	7,239	7,100	4,000	4,000	4,000	3,312	3,000
1978	Above Normal	3,628	3,941	10,777	67,598	50,897	69,286	47,894	25,804	14,740	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,029	20,962	33,570	27,212	18,827	20,299	7,817	6,500	4,000	3,221
1980	Above Normal	4,000	12,141	10,723	106,942	132,004	61,857	21,767	19,088	12,378	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,215	19,051	22,375	24,102	14,012	9,083	7,100	5,000	4,048	4,459
1982	Wet	4,000	27,889	85,349	75,861	99,591	83,030	140,148	47,504	20,816	8,000	4,518	18,750
1983	Wet	15,097	41,206	83,302	109,093	177,813	259,856	89,969	80,191	71,445	33,993	16,957	24,769
1984	Wet	13,604	81,647	156,943	63,546	36,629	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,689	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	212,647	144,060	26,875	20,732	11,012	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,051	9,480	15,543	22,759	8,904	7,727	7,100	5,000	3,771	3,000
1988	Critical	4,000	4,500	12,444	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,579	4,648	4,695	7,511	8,636	48,435	19,688	11,116	5,781	5,000	4,232	4,929
1990	Critical	4,000	4,500	4,500	14,125	11,400	11,358	10,062	6,753	4,000	4,000	3,914	3,000
1991	Critical	3,336	4,031	3,500	9,616	7,407	33,304	10,482	5,114	4,000	4,275	3,394	3,000
1992	Critical	4,358	3,500	3,695	8,553	32,764	16,472	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,954	3,935	7,801	63,669	55,657	39,291	40,052	27,708	23,456	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,611	19,108	8,421	11,274	8,544	4,153	4,000	4,264	3,000
1995	Wet	4,454	3,500	9,781	113,084	51,076	210,596	67,878	83,985	41,904	22,187	9,297	13,750
1996	Wet	11,875	12,555	18,160	47,468	123,503	68,278	46,005	48,657	11,021	8,000	4,000	21,250
1997	Wet	7,813	15,625	78,366	278,487	72,312	21,727	19,106	14,431	6,858	11,454	4,000	18,594
1998	Wet	7,813	15,313	10,647	46,984	221,879	81,743	62,932	59,459	73,844	28,384	12,379	19,494
1999	Wet	8,839	20,119	30,415	39,856	93,073	30,201	21,749	11,220	21,749	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,572	21,813	111,009	63,064	22,048	18,923	6,284	10,438	4,000	11,719
2001	Dry	5,781	10,469	4,775	13,264	23,780	22,927	12,660	8,216	7,100	5,000	4,046	3,000
2002	Dry	4,000	5,758	27,611	48,492	14,232	17,039	16,513	12,956	4,816	5,000	4,555	3,728
2003	Above Normal	4,000	4,500	38,330	61,320	20,609	17,826	28,890	43,216	7,785	8,516	4,000	11,875

Simulated Delta Outflow (Node C406)**Alternative 5 (cfs)****SVI**

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	4,000	4,573	8,643	12,582	38,554	27,301	28,934	56,327	37,336	8,000	4,000	13,750
1923	Below Normal	5,938	11,250	28,203	28,435	15,652	9,742	28,473	18,261	7,072	6,500	4,000	4,548
1924	Critical	4,000	4,500	4,500	7,866	12,802	9,729	6,843	4,558	4,000	4,000	4,090	3,000
1925	Dry	3,000	4,868	6,972	8,201	71,015	12,821	29,102	17,527	6,050	5,000	3,872	3,722
1926	Dry	4,000	4,500	4,500	13,735	45,929	12,516	26,053	10,317	5,313	5,003	3,789	3,000
1927	Wet	4,000	13,504	14,339	32,213	123,981	41,800	52,722	27,493	13,240	8,000	4,000	20,156
1928	Above Normal	7,656	15,938	5,808	20,848	22,622	83,472	27,642	10,515	8,355	10,789	4,000	11,563
1929	Critical	5,938	10,625	4,500	8,470	12,134	9,013	7,691	7,100	7,243	4,000	3,156	3,000
1930	Dry	3,000	4,127	12,770	18,727	16,279	30,148	12,393	9,335	7,031	5,000	3,974	3,521
1931	Critical	4,000	4,500	4,500	9,830	8,117	7,506	7,817	5,389	4,000	4,000	3,850	3,000
1932	Dry	3,000	3,862	13,679	17,098	15,081	10,449	12,057	13,693	10,442	5,000	3,500	3,000
1933	Critical	4,000	4,500	4,500	11,221	7,772	13,453	9,558	8,078	7,243	4,000	3,029	3,000
1934	Critical	3,242	4,248	9,667	14,260	14,098	10,625	9,673	7,031	7,100	4,000	3,594	3,000
1935	Below Normal	3,000	6,204	3,682	28,623	10,146	27,104	53,980	21,312	7,911	6,500	4,000	3,893
1936	Below Normal	4,000	4,500	4,500	40,129	79,706	32,440	27,832	17,506	9,319	6,500	4,000	4,016
1937	Below Normal	4,000	4,500	5,302	10,573	45,425	47,846	27,004	18,017	11,185	6,500	4,000	3,000
1938	Wet	4,000	16,453	62,715	27,478	143,565	165,269	76,498	70,998	36,831	8,000	4,000	20,625
1939	Dry	7,500	13,761	4,513	6,901	8,329	10,201	9,673	9,105	5,750	5,000	3,975	4,073
1940	Above Normal	4,000	4,500	4,500	34,105	64,607	108,696	71,908	18,365	6,166	10,338	4,000	11,563
1941	Wet	5,938	10,625	36,991	97,325	115,599	89,223	77,818	47,799	13,255	8,000	4,000	20,938
1942	Wet	7,656	14,161	47,032	78,141	136,393	23,691	54,803	40,457	22,694	8,000	4,000	21,094
1943	Wet	7,188	16,250	14,416	78,140	54,778	84,093	33,783	19,595	7,673	10,177	4,000	19,688
1944	Dry	7,344	12,514	5,086	11,309	23,084	18,782	12,499	10,390	6,508	5,000	3,778	3,035
1945	Below Normal	4,000	5,990	10,813	9,255	52,193	22,235	16,590	15,313	6,810	6,500	4,000	3,868
1946	Below Normal	4,130	5,445	68,873	46,181	15,036	17,374	18,058	16,159	6,869	6,500	4,000	4,110
1947	Dry	4,000	4,500	9,456	7,464	14,019	20,041	13,168	8,136	7,100	5,000	4,307	3,684
1948	Below Normal	4,000	4,500	4,512	12,626	11,145	13,396	26,934	30,176	14,799	6,500	4,000	4,044
1949	Dry	4,000	4,500	6,236	7,620	7,982	46,560	13,981	12,020	6,713	5,000	4,371	4,179
1950	Below Normal	4,000	4,500	4,500	19,898	35,749	16,395	22,187	15,303	7,636	6,642	4,000	4,212
1951	Above Normal	4,423	44,786	97,266	66,271	69,141	29,251	18,776	19,060	5,814	11,449	4,000	10,781
1952	Wet	6,563	10,313	36,699	82,115	74,695	62,340	74,263	73,044	36,349	11,730	6,572	18,750
1953	Wet	9,531	13,340	27,243	99,675	20,996	16,044	19,422	26,483	20,632	8,000	4,000	19,375
1954	Above Normal	8,125	15,469	4,849	23,443	52,093	43,369	43,709	12,518	7,013	12,130	4,000	11,406
1955	Dry	6,250	10,313	12,836	17,366	8,906	8,161	12,781	11,712	6,520	5,000	3,905	3,440
1956	Wet	4,000	4,500	90,519	160,026	81,602	37,498	23,023	45,757	18,945	8,000	4,000	20,938
1957	Above Normal	7,813	13,715	4,793	9,174	14,921	44,609	14,316	20,938	6,349	10,611	4,000	11,719
1958	Wet	6,142	10,156	17,280	39,116	150,856	116,505	102,478	54,097	30,268	8,000	6,029	18,125
1959	Below Normal	9,219	13,595	5,071	21,467	48,717	12,078	10,578	9,622	7,100	8,321	4,000	4,596
1960	Dry	4,000	4,500	4,500	8,897	28,518	17,243	12,125	9,388	6,422	5,099	4,223	3,928
1961	Dry	4,000	5,706	8,482	8,974	33,036	13,934	8,860	8,314	7,100	5,000	3,950	3,000
1962	Below Normal	4,000	4,500	11,449	6,000	57,827	21,152	15,972	14,331	6,167	7,346	4,000	3,799
1963	Wet	29,359	5,771	23,187	16,739	74,776	23,450	97,294	30,772	8,479	10,646	4,000	20,078
1964	Dry	7,813	15,625	4,648	20,292	9,684	7,912	10,189	10,218	7,857	5,000	3,903	4,278
1965	Wet	4,000	11,219	78,772	113,367	32,999	17,254	50,533	20,619	9,867	8,629	4,000	20,000
1966	Below Normal	7,813	15,469	6,716	24,644	20,513	18,933	13,531	10,198	6,422	8,305	4,000	4,248
1967	Wet	4,000	9,617	35,405	49,973	50,705	55,955	56,447	55,985	40,398	12,483	4,932	19,688
1968	Below Normal	8,125	13,813	5,218	21,668	56,314	30,056	11,290	10,961	6,219	8,688	4,000	3,722
1969	Wet	4,000	5,770	15,084	117,968	131,046	63,326	57,205	61,157	31,162	8,000	4,000	21,875
1970	Wet	7,188	14,607	52,274	207,201	75,482	36,934	13,563	13,225	7,618	10,832	4,000	18,594
1971	Wet	8,438	15,313	49,804	47,950	19,098	41,124	26,093	29,830	14,859	8,000	4,000	19,063
1972	Below Normal	8,438	14,556	6,267	11,686	16,129	26,273	12,413	9,836	6,593	8,448	4,000	4,409
1973	Above Normal	4,000	12,431	21,774	80,291	88,155	54,599	19,666	19,045	9,383	8,646	4,000	11,875
1974	Wet	6,094	50,766	63,984	131,410	38,717	107,385	69,161	24,175	15,302	8,000	5,591	18,594
1975	Wet	8,438	14,544	5,571	10,129	56,872	82,914	26,914	31,983	20,651	8,000	4,180	19,375
1976	Critical	8,281	15,625	5,094	6,483	7,990	9,120	4,000	4,401	4,252	3,957	3,010	3,010
1977	Critical	5,624	3,500	4,424	6,451	7,714	7,239	7,100	4,000	4,000	4,000	3,307	3,000
1978	Above Normal	3,634	3,960	10,799	67,599	50,302	68,685	45,921	23,798	13,165	8,000	4,000	11,563
1979	Below Normal	5,938	10,625	5,039	20,989	33,240	27,098	18,854	20,303	7,817	6,500	4,000	3,682
1980	Above Normal	4,284	11,292	10,746	104,361	126,736	60,584	21,769	19,089	12,177	8,000	4,000	11,563
1981	Dry	6,250	10,313	5,218	18,746	21,293	25,000	13,977	9,078	7,100	5,000	4,038	4,408
1982	Wet	4,000	28,479	85,217	75,810	99,535	82,147	136,374	45,307	20,197	8,000	4,519	18,750
1983	Wet	15,098	41,218	81,678	106,942	177,616	259,730	89,801	80,020	70,908	33,970	16,957	24,769
1984	Wet	13,604	81,650	156,923	63,520	36,609	34,935	17,655	14,050	7,700	10,139	4,000	19,063
1985	Dry	8,281	19,690	11,911	9,951	11,355	11,621	13,326	10,291	6,563	5,000	3,904	4,525
1986	Wet	4,000	5,019	11,469	22,425	210,740	139,367	26,732	19,601	10,689	8,000	4,000	18,438
1987	Dry	8,125	12,674	5,048	9,494	15,551	22,761	8,904	7,727	7,100	5,000	3,775	3,000
1988	Critical	4,000	4,500	12,442	26,040	13,741	6,088	9,929	6,875	7,100	4,000	3,000	3,000
1989	Dry	3,578	4,644	4,701	7,509	8,636	48,438	19,688	11,116	5,781	5,000	4,208	4,928
1990	Critical	4,000	4,500	4,500	14,124	11,400	11,358	10,063	6,753	4,000	4,000	3,913	3,000
1991	Critical	3,337	4,029	3,500	9,619	7,407	33,302	10,480	5,113	4,000	4,266	3,396	3,000
1992	Critical	4,362	3,500	3,690	8,572	32,762	16,470	9,712	6,144	7,100	4,000	3,000	3,000
1993	Above Normal	3,952	3,938	7,800	63,667	55,653	39,333	40,052	27,709	23,458	8,000	4,000	12,188
1994	Critical	6,563	10,313	5,236	8,608	19,106	8,420	11,274	8,544	4,153	4,000	4,265	3,000
1995	Wet	4,453	3,500	9,781	113,067	51,075	208,730	66,554	86,619	39,908	18,469	9,297	13,906
1996	Wet	11,875	12,555	17,526	47,662	122,616	68,175	46,004	48,659	11,024	8,000	4,000	21,250
1997	Wet	7,813	15,625	75,737	272,554	71,035	21,727	19,106	14,191	6,756	11,557	4,000	18,594
1998	Wet	7,813	15,313	10,673	47,768	218,926	80,672	62,063	57,812	70,712	27,771	12,394	19,507
1999	Wet	8,907	20,133	30,421	39,855	93,071	59,784	30,200	21,748	11,219	8,000	4,000	20,000
2000	Above Normal	7,500	15,354	4,576	21,761	111,100	63,020	22,045	18,923	6,283	10,434	4,000	11,719
2001	Dry	5,781	10,469	4,719	13,268	23,784	22,928	12,660	8,216	7,100	5,000	4,066	3,000
2002	Dry	4,000	5,758	27,610	48,500	14,232	17,038	16,514	12,956	4,816	5,000	4,527	3,797
2003	Above Normal	4,000	4,500	38,212	61,321	20,608	17,825	28,889	43,215	7,785	8,516	4,000	11,875

Change in Simulated Delta Outflow (Node C406)
 Alternative 5 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	0	0	0	0	7	14	0	0	0	0	0	0
1923	Below Normal	0	0	-247	-72	0	11	-71	-497	-323	0	0	0
1924	Critical	0	0	0	5	-27	0	5	4	0	-57	-175	0
1925	Dry	0	122	3	4	-7	1	-2	-2	0	0	-35	-41
1926	Dry	0	0	0	0	145	0	-11	0	0	3	18	0
1927	Wet	0	33	30	30	396	1	7	4	2	0	0	0
1928	Above Normal	0	0	0	2	1	-32	-4	1	-2	-6	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	3	4	4	-10	0	0	0	0	6	-18
1931	Critical	0	0	0	0	0	-1	0	0	0	0	0	0
1932	Dry	0	4	4	9	134	1	0	0	0	0	0	0
1933	Critical	0	0	0	1	0	0	0	0	0	0	1	0
1934	Critical	4	-9	-7	2	2	0	0	0	0	0	-1	0
1935	Below Normal	0	-2	2	4	2	3	1	0	0	0	0	0
1936	Below Normal	0	0	0	-1	-598	2	0	0	0	0	0	-10
1937	Below Normal	0	0	2	2	-1,298	-1,475	-836	-2,007	646	0	0	0
1938	Wet	0	2	15	-107	-2,703	-3,539	-1,506	2,665	-1,281	0	0	0
1939	Dry	0	0	-166	29	0	17	0	-1	1	0	-97	-55
1940	Above Normal	0	0	0	24	-325	-102	-2	0	0	-1	0	0
1941	Wet	0	0	-490	-154	-1,746	26	0	-578	-84	0	0	0
1942	Wet	0	0	2	-291	-92	1	3	5	4	0	0	0
1943	Wet	0	0	6	-1,467	-52	-1,958	-137	-100	-7	-161	0	156
1944	Dry	-156	0	-4	31	24	19	1	0	0	0	-4	0
1945	Below Normal	0	-11	-14	-13	-742	0	-498	-498	-472	0	0	0
1946	Below Normal	-154	416	1,845	-12	0	-680	3	-1	177	0	0	0
1947	Dry	0	0	6	0	0	10	-2	1	0	0	-4	-11
1948	Below Normal	0	0	4	0	0	1	0	-4	0	0	0	-4
1949	Dry	0	0	1	0	0	8	0	0	0	0	0	0
1950	Below Normal	0	0	0	36	0	0	0	0	0	-1	0	0
1951	Above Normal	-1	0	-2,899	-902	-337	0	0	0	1	-1	0	0
1952	Wet	0	0	3	-63	20	-444	-901	-2,151	-908	22	11	-156
1953	Wet	156	0	-1,412	532	7	4	38	1	0	0	0	0
1954	Above Normal	0	0	1	110	28	1	1	1	0	0	0	0
1955	Dry	0	0	-1	0	0	0	0	0	0	0	-1	-91
1956	Wet	0	0	-730	-3,598	-439	-418	1	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	-28	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	-1,108	-1,047	-1,692	-278	0	-1	0
1959	Below Normal	0	0	-1	-73	-22	-1	1	1	0	14	0	-10
1960	Dry	0	0	0	-1	-1	2	0	0	0	0	11	1
1961	Dry	0	8	-4	-3	-3	-1	0	0	0	0	0	0
1962	Below Normal	0	0	1	0	4	0	0	0	0	0	0	0
1963	Wet	3	0	0	0	-7	0	0	0	0	1	0	0
1964	Dry	0	0	-6	4	0	0	0	0	0	0	2	0
1965	Wet	0	0	2	-60	0	1	5	0	-1	2	0	0
1966	Below Normal	0	0	5	-2	-1	191	36	0	0	13	0	-31
1967	Wet	0	-3	28	0	0	0	-1,008	-1,736	-1,229	-1,828	1	156
1968	Below Normal	0	0	0	-165	-2,270	40	0	0	-39	39	0	0
1969	Wet	0	-76	-19	-604	-4,660	-3,151	-3,019	-3,499	-3,504	0	0	-313
1970	Wet	156	0	4	-11	0	-70	0	0	9	-8	0	0
1971	Wet	0	0	12	0	0	54	-1	1	0	0	0	0
1972	Below Normal	0	0	0	0	0	6	0	0	0	0	0	0
1973	Above Normal	0	0	-1	0	-1	0	0	0	0	-1	0	0
1974	Wet	0	-389	0	-365	-2	-1	-14	-4	1	0	1	0
1975	Wet	0	0	4	-2	-533	115	-2	-1	-1	0	-2	0
1976	Critical	0	0	0	0	0	0	0	0	0	14	-19	2
1977	Critical	6	0	-9	24	0	0	0	0	0	0	-5	0
1978	Above Normal	5	19	22	1	-595	-601	-1,973	-2,007	-1,576	0	0	0
1979	Below Normal	0	0	10	26	-331	-114	26	4	0	0	0	461
1980	Above Normal	284	-850	23	-2,581	-5,268	-1,274	2	1	-201	0	0	0
1981	Dry	0	0	3	-305	-1,082	897	-35	-5	0	0	-10	-51
1982	Wet	0	590	-132	-52	-57	-883	-3,774	-2,197	-619	0	1	0
1983	Wet	0	12	-1,624	-2,150	-197	-126	-168	-171	-537	-23	0	0
1984	Wet	0	3	-20	-26	-21	0	0	0	0	0	0	0
1985	Dry	0	1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	1	0	-1,907	-4,693	-144	-1,131	-322	0	0	0
1987	Dry	0	0	-3	14	8	2	0	0	0	0	4	0
1988	Critical	0	0	-1	0	0	0	0	0	0	0	0	0
1989	Dry	-1	-4	6	-3	0	3	0	0	0	0	-24	-1
1990	Critical	0	0	0	-1	0	-1	0	0	0	0	-1	0
1991	Critical	1	-2	0	4	0	-2	-1	-1	0	-9	1	0
1992	Critical	4	0	-6	19	-2	-2	0	0	0	0	0	0
1993	Above Normal	-1	3	-1	-2	-4	42	0	1	2	0	0	0
1994	Critical	0	0	0	-2	-2	-1	0	0	0	0	1	0
1995	Wet	-1	0	0	-17	-1	-1,866	-1,324	2,635	-1,996	-3,718	0	156
1996	Wet	0	0	-634	194	-887	-103	-1	2	3	0	0	0
1997	Wet	0	0	-2,628	-5,933	-1,277	0	0	-240	-102	102	0	0
1998	Wet	0	0	26	784	-2,953	-1,071	-869	-1,648	-3,132	-613	15	13
1999	Wet	68	14	6	-1	-2	23	-1	-1	0	0	0	0
2000	Above Normal	0	0	3	-53	91	-44	-3	0	-1	-5	0	0
2001	Dry	0	0	-55	4	4	2	0	0	0	0	20	0
2002	Dry	0	0	-1	8	0	-1	0	0	0	0	-28	69
2003	Above Normal	0	0	-118	1	-2	-1	-1	-1	0	0	0	0

Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Existing Condition (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	215	233	306	389	439	348	217	247	524	503	342	292
1923	Above Normal	303	333	427	439	439	439	437	506	458	364	237	214
1924	Critical	248	294	321	348	344	344	380	376	276	182	145	165
1925	Below Normal	150	149	179	212	270	248	308	378	369	289	193	183
1926	Dry	208	227	261	292	323	322	428	523	452	287	173	176
1927	Above Normal	178	217	279	334	439	454	461	470	489	402	255	213
1928	Below Normal	233	309	362	408	417	466	488	523	442	276	181	179
1929	Critical	161	154	175	198	192	167	195	274	250	183	148	179
1930	Critical	154	136	152	179	192	174	251	255	263	181	146	179
1931	Critical	171	180	199	223	239	203	250	264	205	148	131	155
1932	Above Normal	144	131	194	265	408	408	389	424	477	426	269	220
1933	Dry	231	254	282	320	310	305	303	226	282	241	170	183
1934	Critical	184	180	227	283	305	342	429	403	298	195	159	170
1935	Above Normal	160	161	203	276	336	300	347	475	513	388	240	205
1936	Above Normal	222	253	283	335	439	479	524	524	501	380	242	205
1937	Wet	212	235	282	329	439	479	466	524	524	421	265	220
1938	Wet	238	266	428	439	421	397	361	307	524	524	422	346
1939	Dry	357	374	408	439	439	478	524	505	386	249	156	166
1940	Above Normal	180	175	191	322	414	475	499	524	504	335	180	156
1941	Wet	166	188	288	412	439	448	409	435	524	523	378	304
1942	Wet	311	335	430	439	439	465	421	399	524	500	346	288
1943	Wet	301	354	410	412	439	479	524	524	496	379	244	210
1944	Below Normal	217	243	276	318	331	337	312	367	352	269	185	187
1945	Above Normal	201	247	315	369	439	457	442	458	470	406	265	225
1946	Above Normal	272	353	439	439	439	451	474	523	492	355	218	193
1947	Dry	218	289	386	439	439	465	472	523	418	266	170	178
1948	Below Normal	175	175	196	220	212	151	166	228	293	236	159	174
1949	Below Normal	193	199	228	258	265	238	285	374	384	251	167	179
1950	Below Normal	195	203	233	286	349	324	394	457	434	297	183	184
1951	Above Normal	204	359	381	439	439	453	443	435	388	278	188	188
1952	Wet	194	200	277	428	421	391	374	480	524	521	408	343
1953	Below Normal	336	341	387	439	439	440	442	393	331	279	191	190
1954	Below Normal	190	192	219	260	293	301	379	495	450	317	200	181
1955	Dry	193	208	251	304	328	311	285	297	344	242	171	182
1956	Wet	182	181	351	351	439	479	413	368	446	412	289	240
1957	Below Normal	265	293	326	373	395	390	357	357	410	309	206	200
1958	Wet	216	230	284	336	406	373	393	453	524	502	371	313
1959	Dry	311	316	337	388	436	478	523	497	400	254	147	177
1960	Critical	179	169	183	205	229	217	306	337	293	196	160	174
1961	Critical	166	183	222	249	272	236	297	295	242	159	147	167
1962	Below Normal	157	147	177	206	357	322	362	429	488	402	255	216
1963	Above Normal	234	260	284	335	439	449	412	421	461	404	265	230
1964	Dry	249	321	375	418	404	400	411	403	349	230	168	178
1965	Wet	163	177	314	439	439	411	364	378	400	335	260	228
1966	Below Normal	240	342	429	439	439	477	523	523	424	258	153	159
1967	Wet	147	158	377	439	439	388	369	333	524	524	444	363
1968	Dry	302	290	313	353	335	378	428	432	350	236	160	171
1969	Wet	166	186	241	351	379	248	188	421	524	524	445	354
1970	Above Normal	318	320	359	439	439	479	471	475	449	311	208	200
1971	Below Normal	199	221	304	384	415	401	404	397	367	263	183	190
1972	Dry	204	220	288	339	361	413	385	386	338	210	137	178
1973	Above Normal	175	189	242	324	414	407	305	469	524	398	254	216
1974	Wet	243	336	439	439	439	459	407	470	523	404	274	236
1975	Wet	256	289	335	385	421	450	365	370	496	389	239	211
1976	Critical	267	332	371	402	413	440	457	439	313	185	144	182
1977	Critical	184	188	200	218	222	224	245	218	184	143	131	151
1978	Wet	139	131	208	367	439	479	410	430	524	524	434	439
1979	Above Normal	393	391	414	439	439	479	515	524	509	363	228	200
1980	Wet	222	262	305	380	405	473	489	503	524	524	416	349
1981	Dry	354	368	402	439	439	464	476	521	439	272	179	184
1982	Wet	179	230	300	422	439	441	524	524	524	523	440	440
1983	Wet	439	432	418	412	439	464	272	161	524	524	515	454
1984	Above Normal	404	437	407	439	439	478	471	515	461	333	225	213
1985	Dry	234	287	341	392	403	407	475	522	421	267	165	181
1986	Wet	183	203	276	371	393	479	506	494	524	456	313	273
1987	Critical	301	322	349	388	391	416	469	479	379	253	167	171
1988	Critical	170	175	204	265	284	276	344	355	295	197	160	178
1989	Critical	157	144	171	200	214	236	339	379	316	203	159	180
1990	Critical	176	173	199	231	242	234	324	310	246	180	155	168
1991	Critical	153	134	150	167	158	167	177	216	256	183	147	186
1992	Critical	171	168	198	231	273	266	371	414	305	204	163	176
1993	Wet	159	151	189	377	439	419	351	444	520	506	358	302
1994	Critical	318	335	369	412	415	446	481	485	404	262	169	177
1995	Wet	197	222	275	439	439	468	412	382	524	524	489	385
1996	Wet	292	269	300	366	439	479	453	524	524	414	280	244
1997	Wet	258	358	429	351	422	479	523	524	464	336	206	186
1998	Wet	202	237	285	395	439	441	497	348	524	524	452	364
1999	Above Normal	307	309	344	409	421	445	420	472	484	334	212	201
2000	Above Normal	215	226	254	336	411	466	498	523	515	357	223	197
2001	Dry	217	244	274	313	316	357	374	477	400	252	168	179
2002	Dry	168	172	237	306	332	315	399	443	404	277	175	175
2003	Below Normal	167	213	265	333	367	353	312	363	425	282	188	185

Simulated End-of-Month Millerton Reservoir Storage (Node S18)

Alternative 5 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1923	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
1924	Critical	340	340	340	340	340	340	340	340	340	311	201	191
1925	Below Normal	176	179	206	235	285	261	322	340	340	322	236	232
1926	Dry	256	273	304	328	340	340	340	340	340	335	225	233
1927	Above Normal	234	271	329	340	340	340	340	340	340	340	331	279
1928	Below Normal	293	340	340	340	340	340	340	340	340	337	239	240
1929	Critical	220	211	229	245	233	206	233	309	278	202	162	191
1930	Critical	164	144	161	187	200	181	259	264	272	190	154	186
1931	Critical	179	188	206	231	246	211	258	272	214	156	134	162
1932	Above Normal	151	130	193	264	340	340	340	340	340	340	316	270
1933	Dry	280	301	325	340	340	333	332	257	317	278	212	230
1934	Critical	230	225	268	316	333	340	340	340	321	214	175	183
1935	Above Normal	173	174	215	289	340	309	340	340	340	340	300	264
1936	Above Normal	279	308	334	340	340	340	340	340	340	340	335	282
1937	Wet	282	301	340	340	340	340	340	340	340	340	340	340
1938	Wet	340	340	340	340	340	340	340	340	449	449	340	340
1939	Dry	340	340	340	340	340	340	340	340	340	340	340	340
1940	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
1941	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1942	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1943	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1944	Below Normal	340	340	340	340	340	340	340	340	340	340	307	274
1945	Above Normal	275	318	340	340	340	340	340	340	340	340	340	340
1946	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
1947	Dry	340	340	340	340	340	340	340	340	340	340	245	229
1948	Below Normal	217	214	230	246	216	155	171	233	298	243	166	181
1949	Below Normal	200	206	235	265	272	243	292	340	340	278	203	221
1950	Below Normal	237	243	270	318	340	340	340	340	340	340	230	236
1951	Above Normal	255	340	340	340	340	340	340	340	340	340	340	340
1952	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1953	Below Normal	340	340	340	340	340	340	340	340	340	340	340	340
1954	Below Normal	340	340	340	340	340	340	340	340	340	340	262	241
1955	Dry	250	262	301	340	340	340	340	318	331	340	281	215
1956	Wet	230	227	340	340	340	340	340	340	340	340	340	340
1957	Below Normal	340	340	340	340	340	340	340	340	340	340	326	281
1958	Wet	285	295	340	340	340	340	340	340	340	340	340	340
1959	Dry	340	340	340	340	340	340	340	340	340	340	262	266
1960	Critical	258	245	254	268	269	256	340	340	322	217	176	188
1961	Critical	177	194	233	260	282	246	307	305	252	169	156	176
1962	Below Normal	166	156	185	214	340	329	340	340	340	340	295	264
1963	Above Normal	282	306	327	340	340	340	340	340	340	340	340	340
1964	Dry	340	340	340	340	340	340	340	340	340	340	258	248
1965	Wet	226	237	340	340	340	340	340	340	340	340	340	340
1966	Below Normal	340	340	340	340	340	340	340	340	340	340	315	279
1967	Wet	253	260	340	340	340	340	340	340	340	340	340	340
1968	Dry	340	340	340	340	340	340	340	340	340	340	337	285
1969	Wet	259	274	323	340	340	340	340	340	449	449	340	340
1970	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
1971	Below Normal	340	340	340	340	340	340	340	340	340	340	301	275
1972	Dry	278	291	340	340	340	340	340	340	340	248	178	223
1973	Above Normal	220	232	281	340	340	340	340	340	340	340	331	277
1974	Wet	296	340	340	340	340	340	340	340	340	340	340	340
1975	Wet	340	340	340	340	340	340	340	340	340	340	340	340
1976	Critical	340	340	340	340	340	340	340	340	340	335	226	240
1977	Critical	247	255	260	267	259	260	280	250	210	160	134	160
1978	Wet	146	130	208	340	340	340	340	340	340	340	340	340
1979	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
1980	Wet	340	340	340	340	340	340	340	340	355	426	340	340
1981	Dry	340	340	340	340	340	340	340	340	340	340	340	340
1982	Wet	340	340	340	340	340	340	340	340	424	434	340	340
1983	Wet	340	357	343	340	340	359	340	340	449	449	428	359
1984	Above Normal	340	362	340	364	361	393	380	389	340	340	340	340
1985	Dry	340	340	340	340	340	340	340	340	340	340	306	279
1986	Wet	266	282	340	340	340	340	340	340	340	340	340	340
1987	Critical	340	340	340	340	340	340	340	340	340	340	276	252
1988	Critical	240	241	266	318	323	313	340	340	323	218	176	192
1989	Critical	169	155	182	212	224	247	340	340	328	214	170	192
1990	Critical	187	184	209	242	252	245	335	321	257	190	165	178
1991	Critical	162	143	159	176	167	175	186	224	264	191	154	193
1992	Critical	178	175	204	237	280	273	340	340	315	215	174	187
1993	Wet	170	163	201	340	340	340	340	340	340	340	340	340
1994	Critical	340	340	340	340	340	340	340	340	340	340	251	245
1995	Wet	260	281	330	340	340	340	340	340	340	449	391	340
1996	Wet	340	340	340	340	340	344	340	393	389	340	340	340
1997	Wet	340	340	340	340	347	401	443	449	340	340	340	340
1998	Wet	340	340	340	340	340	340	340	340	409	449	347	340
1999	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
2000	Above Normal	340	340	340	340	340	340	340	340	340	340	340	340
2001	Dry	340	340	340	340	340	340	340	340	340	340	269	260
2002	Dry	240	241	301	340	340	340	340	340	340	314	215	219
2003	Below Normal	210	254	304	340	340	340	340	340	340	323	233	235

Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)
 Alternative 5 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	125	107	34	-49	-99	-8	123	93	-184	-163	-2	48
1923	Above Normal	37	7	-87	-99	-99	-99	-97	-166	-118	-24	103	126
1924	Critical	92	46	19	-8	-4	-4	-40	-36	64	129	56	26
1925	Below Normal	26	29	26	23	15	13	14	-38	-29	33	42	49
1926	Dry	48	47	43	36	17	18	-88	-183	-112	48	53	57
1927	Above Normal	56	54	50	6	-99	-114	-121	-130	-149	-62	77	66
1928	Below Normal	60	31	-22	-68	-77	-126	-148	-183	-102	61	58	61
1929	Critical	59	57	53	46	41	40	38	35	28	20	14	11
1930	Critical	10	9	9	9	8	8	8	8	8	8	8	8
1931	Critical	8	8	8	8	8	8	8	8	8	8	3	7
1932	Above Normal	7	-1	-1	-1	-68	-68	-49	-84	-137	-86	47	50
1933	Dry	49	47	43	20	30	29	29	31	35	37	42	47
1934	Critical	46	44	40	33	28	-2	-89	-63	23	19	15	14
1935	Above Normal	13	12	12	12	4	9	-7	-135	-173	-48	60	59
1936	Above Normal	57	55	51	5	-99	-139	-184	-184	-161	-40	94	76
1937	Wet	69	66	58	11	-99	-139	-126	-184	-184	-81	75	120
1938	Wet	102	74	-88	-99	-81	-57	-21	33	-75	-75	-82	-6
1939	Dry	-17	-34	-68	-99	-99	-138	-184	-165	-46	91	184	174
1940	Above Normal	160	165	149	18	-74	-135	-159	-184	-164	5	160	184
1941	Wet	174	152	52	-72	-99	-108	-69	-95	-184	-183	-38	36
1942	Wet	29	5	-90	-99	-99	-125	-81	-59	-184	-160	-6	52
1943	Wet	39	-14	-70	-72	-99	-139	-184	-184	-156	-39	96	130
1944	Below Normal	123	97	64	22	9	3	28	-27	-12	71	122	87
1945	Above Normal	74	71	25	-29	-99	-117	-102	-118	-130	-66	75	115
1946	Above Normal	68	-13	-99	-99	-99	-111	-134	-183	-152	-15	122	147
1947	Dry	122	51	-46	-99	-99	-125	-132	-183	-78	74	75	51
1948	Below Normal	42	39	34	26	4	4	5	6	7	7	7	7
1949	Below Normal	7	7	7	7	7	6	8	-34	-44	27	36	42
1950	Below Normal	42	41	38	32	-9	16	-54	-117	-94	43	46	52
1951	Above Normal	51	-19	-41	-99	-99	-113	-103	-95	-48	62	152	152
1952	Wet	146	140	63	-88	-81	-51	-34	-140	-184	-181	-68	-3
1953	Below Normal	4	-1	-47	-99	-99	-100	-102	-53	9	61	149	150
1954	Below Normal	150	148	121	80	47	39	-39	-155	-110	23	62	59
1955	Dry	56	54	50	36	12	29	33	34	-4	39	44	49
1956	Wet	48	46	-11	-11	-99	-139	-73	-28	-106	-72	51	100
1957	Below Normal	75	47	14	-33	-55	-50	-17	-17	-70	31	120	82
1958	Wet	69	65	56	4	-66	-33	-53	-113	-184	-162	-31	27
1959	Dry	29	24	3	-48	-96	-138	-183	-157	-60	86	115	89
1960	Critical	79	76	71	63	40	39	34	3	29	21	16	13
1961	Critical	11	11	11	11	10	10	10	10	10	10	9	9
1962	Below Normal	9	8	8	8	-17	7	-22	-89	-148	-62	40	48
1963	Above Normal	47	46	43	5	-99	-109	-72	-81	-121	-64	75	110
1964	Dry	91	19	-35	-78	-64	-60	-71	-63	-9	110	89	71
1965	Wet	63	60	26	-99	-99	-71	-24	-38	-60	5	80	112
1966	Below Normal	100	-2	-89	-99	-99	-137	-183	-183	-84	82	162	120
1967	Wet	106	102	-37	-99	-99	-48	-29	7	-184	-184	-104	-23
1968	Dry	38	50	27	-13	5	-38	-88	-92	-10	104	177	114
1969	Wet	93	88	82	-11	-39	92	152	-81	-75	-75	-105	-14
1970	Above Normal	22	20	-19	-99	-99	-139	-131	-135	-109	29	132	140
1971	Below Normal	141	119	36	-44	-75	-61	-64	-57	-27	77	119	86
1972	Dry	74	71	52	1	-21	-73	-45	-46	2	38	41	45
1973	Above Normal	44	43	39	16	-74	-67	35	-129	-184	-58	77	60
1974	Wet	53	4	-99	-99	-99	-119	-67	-130	-183	-64	66	104
1975	Wet	84	51	5	-45	-81	-110	-25	-30	-156	-49	101	129
1976	Critical	73	8	-31	-62	-73	-100	-117	-99	27	150	82	58
1977	Critical	63	67	60	49	37	36	34	32	25	17	3	9
1978	Wet	7	-1	-1	-27	-99	-139	-70	-90	-184	-184	-94	-99
1979	Above Normal	-53	-51	-74	-99	-99	-139	-175	-184	-169	-23	112	140
1980	Wet	118	78	35	-40	-65	-133	-149	-163	-169	-98	-76	-9
1981	Dry	-14	-28	-62	-99	-99	-124	-136	-181	-99	68	161	156
1982	Wet	161	110	40	-82	-99	-101	-184	-184	-100	-89	-100	-100
1983	Wet	-99	-75	-75	-72	-99	-106	68	179	-75	-75	-87	-96
1984	Above Normal	-64	-75	-67	-75	-78	-85	-91	-127	-121	7	115	127
1985	Dry	106	53	-1	-52	-63	-67	-135	-182	-81	73	141	98
1986	Wet	83	79	64	-31	-53	-139	-166	-154	-184	-116	27	67
1987	Critical	39	18	-9	-48	-51	-76	-129	-139	-39	87	109	81
1988	Critical	70	67	61	53	39	38	-4	-15	29	21	16	14
1989	Critical	12	12	11	11	11	11	1	-39	12	12	12	11
1990	Critical	11	11	11	11	11	11	11	11	11	11	10	9
1991	Critical	9	9	9	9	9	9	8	8	8	8	7	7
1992	Critical	7	7	6	6	6	7	-31	-74	9	11	11	12
1993	Wet	12	11	11	-37	-99	-79	-11	-104	-180	-166	-18	38
1994	Critical	22	5	-29	-72	-75	-106	-141	-145	-64	78	82	69
1995	Wet	62	60	55	-99	-99	-128	-72	-42	-184	-75	-98	-45
1996	Wet	48	71	40	-26	-99	-135	-113	-131	-135	-74	60	96
1997	Wet	82	-18	-89	-11	-75	-77	-80	-75	-124	4	134	154
1998	Wet	138	103	55	-55	-99	-101	-157	-8	-115	-75	-105	-24
1999	Above Normal	33	31	-4	-69	-81	-105	-80	-132	-144	6	128	139
2000	Above Normal	125	114	86	4	-71	-126	-158	-183	-175	-17	117	143
2001	Dry	123	96	66	27	24	-17	-34	-137	-60	88	101	81
2002	Dry	72	69	65	34	8	25	-59	-103	-64	37	40	44
2003	Below Normal	43	41	38	7	-27	-13	28	-23	-85	42	45	50

Percent Change in Simulated End-of-Month Millerton Reservoir Storage (Node S18)

From Existing Condition

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	58%	46%	11%	-13%	-23%	-2%	57%	38%	-35%	-32%	-1%	17%
1923	Above Normal	12%	2%	-20%	-23%	-23%	-23%	-22%	-33%	-26%	-7%	44%	59%
1924	Critical	37%	16%	6%	-2%	-1%	-1%	-11%	-10%	23%	71%	39%	16%
1925	Below Normal	18%	20%	15%	11%	6%	5%	5%	-10%	-8%	11%	22%	27%
1926	Dry	23%	21%	16%	12%	5%	6%	-21%	-35%	-25%	17%	30%	33%
1927	Above Normal	31%	25%	18%	2%	-23%	-25%	-26%	-28%	-31%	-15%	30%	31%
1928	Below Normal	26%	10%	-6%	-17%	-18%	-27%	-30%	-35%	-23%	22%	32%	34%
1929	Critical	37%	37%	30%	23%	21%	24%	19%	13%	11%	11%	9%	6%
1930	Critical	6%	7%	6%	5%	4%	5%	3%	3%	3%	5%	6%	4%
1931	Critical	5%	4%	4%	3%	3%	4%	3%	3%	4%	6%	2%	5%
1932	Above Normal	5%	-1%	-1%	0%	-17%	-17%	-13%	-20%	-29%	-20%	18%	23%
1933	Dry	21%	19%	15%	6%	10%	10%	10%	14%	12%	15%	25%	26%
1934	Critical	25%	25%	18%	12%	9%	-1%	-21%	-16%	8%	10%	10%	8%
1935	Above Normal	8%	8%	6%	4%	1%	3%	-2%	-28%	-34%	-12%	25%	29%
1936	Above Normal	26%	22%	18%	2%	-23%	-29%	-35%	-35%	-32%	-10%	39%	37%
1937	Wet	33%	28%	20%	3%	-23%	-27%	-35%	-35%	-35%	-19%	28%	54%
1938	Wet	43%	28%	-21%	-23%	-19%	-14%	-6%	11%	-14%	-14%	-19%	-2%
1939	Dry	-5%	-9%	-17%	-23%	-23%	-29%	-35%	-33%	-12%	36%	118%	105%
1940	Above Normal	88%	94%	78%	6%	-18%	-28%	-32%	-35%	-32%	1%	89%	119%
1941	Wet	105%	81%	18%	-17%	-23%	-24%	-17%	-22%	-35%	-35%	-10%	12%
1942	Wet	9%	1%	-21%	-23%	-23%	-27%	-19%	-15%	-35%	-32%	-2%	18%
1943	Wet	13%	-4%	-17%	-18%	-23%	-29%	-35%	-35%	-31%	-10%	39%	62%
1944	Below Normal	57%	40%	23%	7%	3%	1%	9%	-7%	-4%	27%	66%	46%
1945	Above Normal	37%	29%	8%	-8%	-23%	-23%	-23%	-26%	-28%	-16%	29%	51%
1946	Above Normal	25%	-4%	-23%	-23%	-23%	-25%	-28%	-35%	-31%	-4%	56%	76%
1947	Dry	56%	18%	-12%	-23%	-23%	-27%	-28%	-35%	-19%	28%	44%	29%
1948	Below Normal	24%	22%	17%	12%	2%	3%	3%	2%	2%	3%	5%	4%
1949	Below Normal	4%	4%	3%	3%	3%	2%	3%	-9%	-11%	11%	22%	24%
1950	Below Normal	22%	20%	16%	11%	-2%	5%	-14%	-26%	-22%	14%	25%	28%
1951	Above Normal	25%	-5%	-11%	-23%	-23%	-25%	-23%	-22%	-12%	22%	81%	81%
1952	Wet	76%	70%	23%	-21%	-19%	-13%	-9%	-29%	-35%	-35%	-17%	-1%
1953	Below Normal	1%	0%	-12%	-23%	-23%	-23%	-23%	-13%	3%	22%	78%	79%
1954	Below Normal	79%	77%	56%	31%	16%	13%	-10%	-31%	-24%	7%	31%	33%
1955	Dry	29%	26%	20%	12%	4%	9%	12%	11%	16%	26%	27%	27%
1956	Wet	26%	25%	-3%	-3%	-23%	-29%	-18%	-8%	-24%	-17%	18%	42%
1957	Below Normal	28%	16%	4%	-9%	-14%	-13%	-5%	-5%	-17%	10%	59%	41%
1958	Wet	32%	28%	20%	1%	-16%	-9%	-13%	-25%	-35%	-8%	9%	9%
1959	Dry	9%	8%	1%	-12%	-22%	-29%	-35%	-32%	-15%	34%	79%	50%
1960	Critical	44%	45%	39%	30%	18%	18%	11%	1%	10%	11%	10%	8%
1961	Critical	7%	6%	5%	4%	4%	4%	3%	4%	4%	6%	6%	5%
1962	Below Normal	5%	6%	5%	4%	-5%	2%	-6%	-21%	-30%	-15%	16%	22%
1963	Above Normal	20%	18%	15%	2%	-23%	-24%	-18%	-19%	-26%	-16%	28%	48%
1964	Dry	36%	6%	-9%	-19%	-16%	-15%	-17%	-16%	-3%	48%	53%	40%
1965	Wet	38%	34%	8%	-23%	-23%	-17%	-7%	-10%	-15%	2%	31%	49%
1966	Below Normal	41%	-1%	-21%	-23%	-23%	-29%	-35%	-35%	-20%	32%	106%	75%
1967	Wet	72%	65%	-10%	-23%	-23%	-12%	-8%	2%	-35%	-35%	-23%	-6%
1968	Dry	13%	17%	9%	-4%	2%	-10%	-21%	-21%	-3%	44%	111%	66%
1969	Wet	56%	48%	34%	-3%	-10%	37%	81%	-19%	-14%	-14%	-24%	-4%
1970	Above Normal	7%	6%	-5%	-23%	-23%	-29%	-28%	-28%	-24%	9%	63%	70%
1971	Below Normal	71%	54%	12%	-11%	-18%	-15%	-16%	-14%	-7%	29%	65%	45%
1972	Dry	36%	32%	18%	0%	-6%	-18%	-12%	-12%	0%	18%	30%	25%
1973	Above Normal	25%	22%	16%	5%	-18%	-17%	12%	-27%	-35%	-15%	30%	28%
1974	Wet	22%	1%	-23%	-23%	-23%	-26%	-17%	-28%	-35%	-16%	24%	44%
1975	Wet	33%	18%	1%	-12%	-19%	-24%	-7%	-8%	-31%	-13%	42%	61%
1976	Critical	27%	2%	-8%	-15%	-18%	-23%	-26%	-23%	9%	81%	57%	32%
1977	Critical	34%	36%	30%	22%	16%	16%	14%	15%	14%	12%	2%	6%
1978	Wet	5%	-1%	0%	-7%	-23%	-29%	-17%	-21%	-35%	-35%	-22%	-23%
1979	Above Normal	-14%	-13%	-18%	-23%	-23%	-29%	-34%	-35%	-33%	-6%	49%	70%
1980	Wet	53%	30%	11%	-10%	-16%	-28%	-30%	-32%	-32%	-19%	-18%	-2%
1981	Dry	-4%	-8%	-15%	-23%	-23%	-27%	-29%	-35%	-23%	25%	90%	84%
1982	Wet	90%	48%	13%	-19%	-23%	-23%	-35%	-35%	-19%	-17%	-23%	-23%
1983	Wet	-23%	-17%	-18%	-18%	-23%	-23%	25%	111%	-14%	-14%	-17%	-21%
1984	Above Normal	-16%	-17%	-16%	-17%	-18%	-18%	-19%	-25%	-26%	2%	51%	60%
1985	Dry	45%	19%	0%	-13%	-16%	-16%	-28%	-35%	-19%	27%	86%	54%
1986	Wet	45%	39%	23%	-8%	-13%	-29%	-33%	-31%	-35%	-25%	8%	24%
1987	Critical	13%	6%	-2%	-12%	-13%	-18%	-27%	-29%	-10%	34%	65%	47%
1988	Critical	41%	38%	30%	20%	14%	14%	-1%	-4%	10%	11%	10%	8%
1989	Critical	8%	8%	7%	6%	5%	4%	0%	-10%	4%	6%	7%	6%
1990	Critical	6%	6%	5%	5%	4%	5%	3%	4%	4%	6%	6%	6%
1991	Critical	6%	7%	6%	5%	5%	5%	5%	4%	3%	4%	5%	4%
1992	Critical	4%	4%	3%	3%	2%	2%	-8%	-18%	3%	5%	7%	7%
1993	Wet	7%	8%	6%	-10%	-23%	-19%	-3%	-23%	-35%	-3%	-5%	12%
1994	Critical	7%	1%	-8%	-18%	-18%	-24%	-29%	-30%	-16%	30%	49%	39%
1995	Wet	32%	27%	20%	-23%	-23%	-27%	-18%	-11%	-35%	-14%	-20%	-12%
1996	Wet	16%	26%	14%	-7%	-23%	-28%	-25%	-25%	-26%	-18%	22%	39%
1997	Wet	32%	-5%	-21%	-3%	-18%	-16%	-15%	-14%	-27%	1%	65%	83%
1998	Wet	68%	44%	19%	-14%	-23%	-23%	-32%	-2%	-22%	-14%	-23%	-6%
1999	Above Normal	11%	10%	-1%	-17%	-19%	-24%	-19%	-28%	-30%	2%	60%	69%
2000	Above Normal	58%	50%	34%	1%	-17%	-27%	-32%	-35%	-34%	-5%	52%	72%
2001	Dry	57%	39%	24%	9%	8%	-5%	-9%	-29%	-15%	35%	60%	45%
2002	Dry	43%	40%	27%	11%	2%	8%	-15%	-23%	-16%	14%	23%	25%
2003	Below Normal	26%	19%	14%	2%	-7%	-4%	9%	-6%	-20%	15%	24%	27%

Simulated End-of-Month Temperature Flat Reservoir Storage (Node S17)

Alternative 5 (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	355	373	446	529	620	584	554	739	1,104	1,049	836	687
1923	Above Normal	613	614	679	734	698	689	677	728	655	530	380	350
1924	Critical	380	422	445	465	453	439	442	385	223	100	100	100
1925	Below Normal	100	100	100	100	100	100	100	156	155	100	100	100
1926	Dry	100	100	100	100	114	110	217	327	259	100	100	100
1927	Above Normal	100	100	100	137	247	253	245	318	396	269	100	100
1928	Below Normal	100	127	175	214	213	260	289	350	265	100	100	100
1929	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1930	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1931	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1932	Above Normal	100	100	100	100	167	164	143	177	292	235	100	100
1933	Dry	100	100	100	117	102	100	100	100	100	100	100	100
1934	Critical	100	100	100	100	100	130	216	189	100	100	100	100
1935	Above Normal	100	100	100	100	108	100	112	235	354	216	100	100
1936	Above Normal	100	100	100	139	289	346	374	500	453	277	100	100
1937	Wet	100	100	103	150	344	471	521	749	834	656	438	366
1938	Wet	374	398	597	706	788	939	1,006	1,112	1,331	1,331	1,306	1,140
1939	Dry	1,072	1,064	1,072	1,103	1,038	1,067	1,133	1,030	818	579	394	353
1940	Above Normal	350	340	350	472	553	607	617	749	756	567	388	342
1941	Wet	344	363	459	582	725	789	852	954	1,138	1,128	952	793
1942	Wet	730	731	800	906	904	898	945	984	1,179	1,122	918	754
1943	Wet	673	695	719	837	876	1,034	1,116	1,246	1,192	992	762	630
1944	Below Normal	551	551	557	570	517	498	424	419	349	208	100	100
1945	Above Normal	100	100	141	187	367	385	376	467	549	496	369	340
1946	Above Normal	387	467	597	686	694	697	707	804	736	555	385	347
1947	Dry	366	433	526	578	592	595	552	561	389	161	100	100
1948	Below Normal	100	100	100	100	100	100	100	100	100	100	100	100
1949	Below Normal	100	100	100	100	100	100	100	146	164	100	100	100
1950	Below Normal	100	100	100	100	137	109	187	253	232	100	100	100
1951	Above Normal	100	168	468	674	759	746	685	613	506	333	182	144
1952	Wet	136	139	211	354	403	430	543	834	1,064	1,049	912	771
1953	Below Normal	687	670	694	775	727	709	661	550	433	324	178	141
1954	Below Normal	128	126	148	181	190	191	263	367	306	153	100	100
1955	Dry	100	100	100	106	123	103	100	100	141	100	100	100
1956	Wet	100	100	290	556	739	814	850	880	1,015	962	807	679
1957	Below Normal	623	624	629	647	607	574	489	424	418	254	100	100
1958	Wet	100	100	104	148	201	241	342	599	753	720	575	491
1959	Dry	476	481	501	552	597	654	665	593	423	193	100	100
1960	Critical	100	100	100	100	100	100	104	132	100	100	100	100
1961	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1962	Below Normal	100	100	100	100	126	100	132	205	276	195	100	100
1963	Above Normal	100	100	100	130	307	325	307	345	456	441	343	331
1964	Dry	354	425	476	513	502	483	466	424	315	128	100	100
1965	Wet	100	100	129	358	446	421	386	416	458	412	360	342
1966	Below Normal	355	456	539	608	616	629	661	654	487	248	100	100
1967	Wet	100	100	234	316	367	385	444	543	915	1,184	1,088	959
1968	Dry	872	852	867	899	864	874	842	743	540	291	100	100
1969	Wet	100	100	100	329	531	570	746	1,113	1,331	1,331	1,316	1,147
1970	Above Normal	1,074	1,063	1,089	1,230	1,203	1,238	1,211	1,176	1,097	871	669	571
1971	Below Normal	493	491	548	600	568	530	487	424	344	192	100	100
1972	Dry	100	100	114	157	156	206	178	180	135	100	100	100
1973	Above Normal	100	100	100	118	203	187	143	356	456	277	100	100
1974	Wet	100	146	246	391	411	494	518	657	743	576	407	354
1975	Wet	367	397	438	481	506	528	434	499	685	550	380	344
1976	Critical	396	459	493	517	520	532	513	441	263	100	100	100
1977	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1978	Wet	100	100	100	126	296	409	491	660	1,018	1,134	1,016	979
1979	Above Normal	893	879	888	967	951	1,014	1,057	1,190	1,164	920	689	578
1980	Wet	524	539	557	803	993	1,110	1,165	1,217	1,331	1,331	1,265	1,100
1981	Dry	1,011	997	1,002	1,019	952	952	914	898	758	532	379	348
1982	Wet	330	378	443	556	664	723	1,021	1,243	1,331	1,331	1,311	1,242
1983	Wet	1,306	1,331	1,331	1,328	1,319	1,331	1,162	1,053	1,331	1,331	1,331	1,331
1984	Above Normal	1,294	1,331	1,323	1,331	1,331	1,331	1,331	1,295	1,110	919	781	
1985	Dry	710	729	750	764	695	670	674	649	475	241	100	100
1986	Wet	100	100	110	196	472	754	893	1,059	1,207	1,099	901	760
1987	Critical	689	679	674	679	610	616	632	592	415	194	100	100
1988	Critical	100	100	100	100	100	100	140	149	100	100	100	100
1989	Critical	100	100	100	100	100	100	110	150	100	100	100	100
1990	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1991	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1992	Critical	100	100	100	100	100	100	138	182	100	100	100	100
1993	Wet	100	100	100	149	245	299	300	458	584	557	406	352
1994	Critical	366	381	411	448	445	464	483	461	336	143	100	100
1995	Wet	100	100	100	288	367	555	677	828	1,220	1,331	1,262	
1996	Wet	1,162	1,135	1,160	1,220	1,306	1,331	1,311	1,331	1,331	1,208	983	819
1997	Wet	742	808	997	1,267	1,331	1,331	1,331	1,331	1,324	1,104	874	723
1998	Wet	634	637	654	730	860	930	1,048	1,025	1,331	1,331	1,331	1,215
1999	Above Normal	1,144	1,140	1,170	1,230	1,228	1,217	1,173	1,184	1,141	901	680	575
2000	Above Normal	510	497	498	552	563	607	629	724	729	537	377	342
2001	Dry	356	381	407	438	432	459	445	512	376	161	100	100
2002	Dry	100	100	100	123	129	109	193	238	201	100	100	100
2003	Below Normal	100	100	100	126	156	140	106	159	222	100	100	100

Change in Simulated End-of-Month Temperance Flat Reservoir Storage (Node S17)

Alternative 5 - Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	355	373	446	529	620	584	554	739	1,104	1,049	836	687
1923	Above Normal	613	614	679	734	698	689	677	728	655	530	380	350
1924	Critical	380	422	445	465	453	439	442	385	223	100	100	100
1925	Below Normal	100	100	100	100	100	100	100	156	155	100	100	100
1926	Dry	100	100	100	100	114	110	217	327	259	100	100	100
1927	Above Normal	100	100	100	137	247	253	245	318	396	269	100	100
1928	Below Normal	100	127	175	214	213	260	289	350	265	100	100	100
1929	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1930	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1931	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1932	Above Normal	100	100	100	100	167	164	143	177	292	235	100	100
1933	Dry	100	100	100	117	102	100	100	100	100	100	100	100
1934	Critical	100	100	100	100	100	130	216	189	100	100	100	100
1935	Above Normal	100	100	100	100	108	100	112	235	354	216	100	100
1936	Above Normal	100	100	100	139	289	346	374	500	453	277	100	100
1937	Wet	100	100	103	150	344	471	521	749	834	656	438	366
1938	Wet	374	398	597	706	788	939	1,006	1,112	1,331	1,331	1,306	1,140
1939	Dry	1,072	1,064	1,072	1,103	1,038	1,067	1,133	1,030	818	579	394	353
1940	Above Normal	350	340	350	472	553	607	617	749	756	567	388	342
1941	Wet	344	363	459	582	725	789	852	954	1,138	1,128	952	793
1942	Wet	730	731	800	906	904	898	945	984	1,179	1,122	918	754
1943	Wet	673	695	719	837	876	1,034	1,116	1,246	1,192	992	762	630
1944	Below Normal	551	551	557	570	517	498	424	419	349	208	100	100
1945	Above Normal	100	100	141	187	367	385	376	467	549	496	369	340
1946	Above Normal	387	467	597	686	694	697	707	804	736	555	385	347
1947	Dry	366	433	526	578	592	595	552	561	389	161	100	100
1948	Below Normal	100	100	100	100	100	100	100	100	100	100	100	100
1949	Below Normal	100	100	100	100	100	100	100	146	164	100	100	100
1950	Below Normal	100	100	100	100	137	109	187	253	232	100	100	100
1951	Above Normal	100	168	468	674	759	746	685	613	506	333	182	144
1952	Wet	136	139	211	354	403	430	543	834	1,064	1,049	912	771
1953	Below Normal	687	670	694	775	727	709	661	550	433	324	178	141
1954	Below Normal	128	126	148	181	190	191	263	367	306	153	100	100
1955	Dry	100	100	100	106	123	103	100	100	141	100	100	100
1956	Wet	100	100	290	556	739	814	850	880	1,015	962	807	679
1957	Below Normal	623	624	629	647	607	574	489	424	418	254	100	100
1958	Wet	100	100	104	148	201	241	342	599	753	720	575	491
1959	Dry	476	481	501	552	597	654	665	593	423	193	100	100
1960	Critical	100	100	100	100	100	100	104	132	100	100	100	100
1961	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1962	Below Normal	100	100	100	100	126	100	132	205	276	195	100	100
1963	Above Normal	100	100	100	130	307	325	307	345	456	441	343	331
1964	Dry	354	425	476	513	502	483	466	424	315	128	100	100
1965	Wet	100	100	129	358	446	421	386	416	458	412	360	342
1966	Below Normal	355	456	539	608	616	629	661	654	487	248	100	100
1967	Wet	100	100	234	316	367	385	444	543	915	1,184	1,088	959
1968	Dry	872	852	867	899	864	874	842	743	540	291	100	100
1969	Wet	100	100	100	329	531	570	746	1,113	1,331	1,331	1,316	1,147
1970	Above Normal	1,074	1,063	1,089	1,230	1,203	1,238	1,211	1,176	1,097	871	669	571
1971	Below Normal	493	491	548	600	568	530	487	424	344	192	100	100
1972	Dry	100	100	114	157	156	206	178	180	135	100	100	100
1973	Above Normal	100	100	100	118	203	187	143	356	456	277	100	100
1974	Wet	100	146	246	391	411	494	518	657	743	576	407	354
1975	Wet	367	397	438	481	506	528	434	499	685	550	380	344
1976	Critical	396	459	493	517	520	532	513	441	263	100	100	100
1977	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1978	Wet	100	100	100	126	296	409	491	660	1,018	1,134	1,016	979
1979	Above Normal	893	879	888	967	951	1,014	1,057	1,190	1,164	920	689	578
1980	Wet	524	539	557	803	993	1,110	1,165	1,217	1,331	1,331	1,265	1,100
1981	Dry	1,011	997	1,002	1,019	952	952	914	898	758	532	379	348
1982	Wet	330	378	443	556	664	723	1,021	1,243	1,331	1,331	1,311	1,242
1983	Wet	1,306	1,331	1,331	1,328	1,319	1,331	1,162	1,053	1,331	1,331	1,331	1,331
1984	Above Normal	1,294	1,331	1,323	1,331	1,331	1,331	1,331	1,331	1,295	1,110	919	781
1985	Dry	710	729	750	764	695	670	674	649	475	241	100	100
1986	Wet	100	100	110	196	472	754	893	1,059	1,207	1,099	901	760
1987	Critical	689	679	674	679	610	616	632	592	415	194	100	100
1988	Critical	100	100	100	100	100	100	140	149	100	100	100	100
1989	Critical	100	100	100	100	100	100	110	150	100	100	100	100
1990	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1991	Critical	100	100	100	100	100	100	100	100	100	100	100	100
1992	Critical	100	100	100	100	100	100	138	182	100	100	100	100
1993	Wet	100	100	100	149	245	299	300	458	584	557	406	352
1994	Critical	366	381	411	448	445	464	483	461	336	143	100	100
1995	Wet	100	100	100	288	367	555	677	828	1,220	1,331	1,331	1,262
1996	Wet	1,162	1,135	1,160	1,220	1,306	1,331	1,311	1,331	1,331	1,208	983	819
1997	Wet	742	808	997	1,267	1,331	1,331	1,331	1,331	1,324	1,104	874	723
1998	Wet	634	637	654	730	860	930	1,048	1,025	1,331	1,331	1,331	1,215
1999	Above Normal	1,144	1,140	1,170	1,230	1,228	1,217	1,173	1,184	1,141	901	680	575
2000	Above Normal	510	497	498	552	563	607	629	724	729	537	377	342
2001	Dry	356	381	407	438	432	459	445	512	376	161	100	100
2002	Dry	100	100	100	123	129	109	193	238	201	100	100	100
2003	Below Normal	100	100	100	126	156	140	106	159	222	100	100	100

Simulated End-of-Month New Melones Reservoir Storage (Node S10)

Existing Condition (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,425	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,361	1,397	1,332	1,057	1,216
1938	Wet	1,181	1,189	1,275	1,350	1,532	1,663	1,761	2,027	2,233	2,188	2,094	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,629	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,559	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,615	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,511	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,411
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

**Simulated End-of-Month New Melones Reservoir Storage (Node S10)
Alternative 5 (taf)
SVI**

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Wet	1,648	1,653	1,680	1,702	1,810	1,803	1,756	1,933	2,128	2,066	1,969	1,906
1923	Above Normal	1,852	1,866	1,932	1,970	1,970	1,894	1,887	1,973	1,952	1,886	1,784	1,740
1924	Critical	1,698	1,689	1,701	1,713	1,700	1,650	1,561	1,462	1,397	1,345	1,289	1,274
1925	Below Normal	1,246	1,252	1,267	1,277	1,411	1,486	1,471	1,579	1,616	1,564	1,472	1,428
1926	Dry	1,372	1,363	1,366	1,366	1,419	1,427	1,446	1,387	1,313	1,229	1,152	1,110
1927	Above Normal	1,075	1,089	1,140	1,180	1,316	1,383	1,414	1,488	1,526	1,454	1,368	1,331
1928	Below Normal	1,312	1,345	1,368	1,380	1,423	1,586	1,541	1,573	1,516	1,424	1,336	1,291
1929	Critical	1,243	1,249	1,256	1,261	1,268	1,250	1,193	1,135	1,102	1,035	969	932
1930	Critical	891	880	881	898	920	968	933	871	875	809	739	699
1931	Critical	672	687	689	697	690	672	589	487	435	381	321	292
1932	Above Normal	244	250	300	327	431	461	466	636	772	747	683	641
1933	Dry	606	596	605	612	606	597	545	512	530	464	394	353
1934	Critical	329	329	347	366	392	414	327	220	167	109	80	80
1935	Above Normal	80	80	80	94	111	158	291	494	610	561	492	451
1936	Above Normal	434	442	455	525	702	777	871	1,039	1,121	1,068	994	959
1937	Wet	929	924	939	957	1,055	1,158	1,181	1,360	1,396	1,331	1,256	1,214
1938	Wet	1,179	1,187	1,273	1,349	1,531	1,662	1,759	2,026	2,232	2,187	2,093	2,000
1939	Dry	1,959	1,943	1,948	1,956	1,963	1,982	1,875	1,744	1,661	1,571	1,483	1,443
1940	Above Normal	1,387	1,367	1,370	1,467	1,599	1,683	1,739	1,853	1,824	1,723	1,628	1,571
1941	Wet	1,518	1,509	1,545	1,595	1,678	1,705	1,704	1,850	1,899	1,838	1,744	1,684
1942	Wet	1,636	1,630	1,675	1,762	1,838	1,817	1,880	2,027	2,166	2,130	2,031	1,977
1943	Wet	1,926	1,950	1,970	1,970	1,970	2,030	2,105	2,139	2,137	2,055	1,957	1,891
1944	Below Normal	1,832	1,820	1,819	1,817	1,824	1,845	1,746	1,677	1,651	1,567	1,473	1,416
1945	Above Normal	1,389	1,421	1,445	1,478	1,605	1,606	1,558	1,629	1,678	1,609	1,513	1,462
1946	Above Normal	1,438	1,465	1,548	1,609	1,662	1,712	1,720	1,809	1,788	1,695	1,603	1,557
1947	Dry	1,516	1,528	1,546	1,558	1,575	1,563	1,458	1,367	1,323	1,256	1,192	1,162
1948	Below Normal	1,147	1,149	1,154	1,156	1,131	1,141	1,138	1,182	1,298	1,246	1,177	1,142
1949	Below Normal	1,118	1,115	1,126	1,132	1,128	1,151	1,109	1,141	1,138	1,072	1,006	968
1950	Below Normal	919	899	904	949	1,011	1,060	1,058	1,171	1,250	1,193	1,124	1,095
1951	Above Normal	1,079	1,354	1,744	1,848	1,941	1,948	1,924	1,917	1,849	1,751	1,655	1,596
1952	Wet	1,551	1,563	1,614	1,752	1,840	1,870	1,901	2,192	2,370	2,300	2,130	2,000
1953	Below Normal	1,926	1,927	1,945	1,970	1,970	1,901	1,831	1,763	1,815	1,762	1,673	1,617
1954	Below Normal	1,564	1,562	1,573	1,586	1,595	1,639	1,585	1,638	1,596	1,512	1,428	1,378
1955	Dry	1,322	1,329	1,345	1,373	1,382	1,385	1,357	1,301	1,302	1,228	1,155	1,112
1956	Wet	1,072	1,083	1,333	1,593	1,711	1,699	1,699	1,847	1,946	1,896	1,803	1,763
1957	Below Normal	1,707	1,701	1,714	1,730	1,763	1,800	1,690	1,704	1,750	1,662	1,576	1,519
1958	Wet	1,465	1,463	1,467	1,514	1,590	1,665	1,802	2,106	2,249	2,195	2,099	2,000
1959	Dry	1,936	1,932	1,943	1,967	1,970	1,985	1,868	1,716	1,641	1,553	1,467	1,454
1960	Critical	1,397	1,384	1,386	1,389	1,426	1,437	1,392	1,322	1,281	1,213	1,148	1,099
1961	Critical	1,036	1,053	1,071	1,075	1,070	1,065	1,016	954	895	834	774	740
1962	Below Normal	694	699	705	708	786	816	819	854	911	865	792	743
1963	Above Normal	713	717	737	786	903	941	967	1,158	1,259	1,217	1,146	1,115
1964	Dry	1,101	1,130	1,149	1,181	1,188	1,170	1,103	1,040	1,021	951	884	836
1965	Wet	813	834	1,048	1,249	1,351	1,405	1,457	1,537	1,592	1,553	1,485	1,440
1966	Below Normal	1,379	1,411	1,442	1,477	1,508	1,529	1,494	1,492	1,428	1,349	1,277	1,225
1967	Wet	1,182	1,193	1,274	1,376	1,398	1,427	1,489	1,692	1,975	2,027	1,940	1,886
1968	Dry	1,826	1,835	1,846	1,866	1,924	1,967	1,861	1,766	1,698	1,602	1,513	1,451
1969	Wet	1,416	1,438	1,446	1,743	1,943	1,998	2,118	2,376	2,420	2,300	2,130	2,000
1970	Above Normal	1,957	1,964	1,970	1,970	1,970	1,986	1,915	1,913	1,905	1,802	1,700	1,648
1971	Below Normal	1,599	1,626	1,690	1,745	1,787	1,748	1,681	1,674	1,702	1,629	1,535	1,480
1972	Dry	1,426	1,439	1,484	1,518	1,530	1,535	1,422	1,411	1,369	1,298	1,227	1,195
1973	Above Normal	1,165	1,176	1,207	1,318	1,460	1,573	1,536	1,644	1,654	1,562	1,469	1,425
1974	Wet	1,408	1,458	1,533	1,644	1,720	1,783	1,860	1,985	2,013	1,944	1,843	1,785
1975	Wet	1,752	1,760	1,781	1,806	1,868	1,906	1,863	1,880	2,006	1,934	1,851	1,792
1976	Critical	1,764	1,776	1,794	1,801	1,807	1,759	1,638	1,513	1,434	1,371	1,317	1,281
1977	Critical	1,246	1,248	1,248	1,238	1,205	1,139	1,064	997	965	904	844	818
1978	Wet	763	751	767	840	922	1,064	1,125	1,231	1,348	1,338	1,269	1,266
1979	Above Normal	1,212	1,227	1,248	1,314	1,429	1,551	1,514	1,618	1,554	1,460	1,370	1,326
1980	Wet	1,302	1,317	1,329	1,630	1,879	1,898	1,915	1,967	2,034	2,020	1,926	1,873
1981	Dry	1,829	1,819	1,838	1,882	1,891	1,930	1,846	1,725	1,626	1,533	1,450	1,412
1982	Wet	1,385	1,441	1,571	1,774	1,970	2,030	2,220	2,343	2,403	2,300	2,130	2,000
1983	Wet	1,970	1,970	1,970	1,970	1,970	2,030	2,060	2,201	2,420	2,300	2,130	2,000
1984	Above Normal	1,970	1,970	1,970	1,970	1,970	1,977	1,894	1,897	1,866	1,790	1,713	1,673
1985	Dry	1,655	1,693	1,731	1,744	1,780	1,810	1,737	1,644	1,566	1,473	1,395	1,361
1986	Wet	1,334	1,344	1,360	1,437	1,909	2,030	2,035	2,071	1,973	1,973	1,881	1,846
1987	Critical	1,806	1,800	1,808	1,797	1,797	1,821	1,699	1,542	1,457	1,393	1,337	1,310
1988	Critical	1,262	1,248	1,242	1,245	1,234	1,209	1,137	1,044	999	957	915	881
1989	Critical	826	812	807	800	790	862	832	780	759	706	656	660
1990	Critical	666	673	695	703	703	688	609	527	468	408	363	337
1991	Critical	312	297	311	303	276	311	277	226	183	118	80	80
1992	Critical	80	80	94	101	144	182	136	80	80	80	80	80
1993	Wet	80	80	80	207	303	454	506	647	749	718	657	625
1994	Critical	615	639	674	696	709	668	603	540	474	399	331	294
1995	Wet	261	268	298	484	561	876	974	1,209	1,479	1,601	1,551	1,533
1996	Wet	1,508	1,507	1,542	1,618	1,808	1,920	1,924	2,045	2,047	1,960	1,880	1,837
1997	Wet	1,829	1,864	1,970	2,116	1,970	1,975	1,902	1,895	1,835	1,748	1,665	1,636
1998	Wet	1,599	1,612	1,638	1,750	1,954	2,022	2,032	2,111	2,337	2,300	2,130	2,000
1999	Above Normal	1,970	1,970	1,970	1,970	1,970	1,992	1,961	1,971	1,955	1,874	1,801	1,765
2000	Above Normal	1,737	1,733	1,747	1,804	1,915	1,929	1,901	1,890	1,850	1,755	1,678	1,646
2001	Dry	1,644	1,659	1,689	1,700	1,730	1,764	1,686	1,589	1,509	1,419	1,335	1,285
2002	Dry	1,230	1,233	1,272	1,314	1,321	1,365	1,338	1,282	1,215	1,140	1,071	1,038
2003	Below Normal	1,007	1,023	1,074	1,121	1,132	1,158	1,144	1,145	1,133	1,068	1,007	975

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,474	1,722	1,444	1,078	935	770	707	881
1923	Below Normal	965	1,075	1,341	1,402	1,470	1,431	1,195	785	467	429	451	682
1924	Critical	850	1,075	1,293	1,512	1,570	1,453	1,306	1,100	739	744	464	404
1925	Dry	555	692	1,103	1,426	1,595	1,722	1,526	1,153	806	772	580	745
1926	Dry	827	998	1,193	1,458	1,499	1,346	1,212	890	606	619	470	523
1927	Wet	542	1,012	1,315	1,493	1,776	1,891	1,575	1,132	767	716	716	853
1928	Above Normal	846	936	1,408	1,516	1,435	1,680	1,382	946	558	464	480	665
1929	Critical	701	677	1,009	1,126	1,200	1,310	1,243	1,076	767	529	481	452
1930	Dry	534	646	982	1,222	1,412	1,534	1,401	1,148	794	827	642	854
1931	Critical	905	1,028	1,180	1,467	1,653	1,617	1,447	1,199	818	643	343	271
1932	Dry	337	447	1,087	1,433	1,798	1,918	1,712	1,430	984	902	892	971
1933	Critical	1,055	1,174	1,429	1,732	1,976	1,990	1,846	1,608	1,215	892	778	792
1934	Critical	850	927	1,250	1,576	1,765	1,751	1,568	1,333	929	501	281	289
1935	Below Normal	336	505	835	1,183	1,392	1,519	1,313	932	686	605	511	731
1936	Below Normal	858	1,014	1,279	1,429	1,879	2,039	1,815	1,477	1,100	1,045	977	1,095
1937	Below Normal	1,247	1,373	1,770	1,923	2,039	2,039	1,855	1,616	1,385	1,288	1,075	1,056
1938	Wet	1,191	1,579	1,942	2,039	2,039	2,039	1,959	2,039	1,944	1,737	1,539	1,543
1939	Dry	1,556	1,311	1,681	1,688	1,651	1,445	1,135	751	236	195	100	295
1940	Above Normal	267	337	434	645	895	1,287	1,068	693	362	241	233	391
1941	Wet	448	479	821	1,158	1,699	2,010	1,761	1,406	1,137	985	929	1,078
1942	Wet	1,047	1,106	1,383	1,594	1,752	1,855	1,509	1,079	802	624	591	701
1943	Wet	706	763	986	1,291	1,482	1,859	1,585	1,189	770	540	425	550
1944	Dry	515	485	899	996	1,090	1,142	956	639	312	391	333	312
1945	Below Normal	381	872	1,222	1,524	1,871	2,039	1,731	1,268	755	657	645	762
1946	Below Normal	973	1,356	1,661	1,831	1,944	1,991	1,672	1,224	731	648	636	775
1947	Dry	971	1,257	1,544	1,644	1,698	1,579	1,311	877	382	328	152	336
1948	Below Normal	462	682	824	853	684	787	617	312	202	194	307	547
1949	Dry	697	890	1,237	1,514	1,744	1,758	1,446	993	459	354	160	358
1950	Below Normal	357	478	668	785	894	1,111	873	504	372	327	348	575
1951	Above Normal	828	1,270	1,830	2,039	2,039	2,039	1,740	1,279	858	640	601	746
1952	Wet	759	973	1,208	1,405	1,499	1,878	1,709	1,511	1,455	1,243	1,138	1,249
1953	Wet	1,232	1,230	1,566	1,537	1,532	1,551	1,240	843	422	429	506	736
1954	Above Normal	681	719	1,195	1,197	1,204	1,315	1,050	649	297	118	176	407
1955	Dry	470	702	1,232	1,532	1,734	1,788	1,565	1,193	612	611	400	583
1956	Wet	606	874	1,376	1,823	2,039	2,039	1,712	1,228	917	719	617	699
1957	Above Normal	683	712	1,119	1,144	965	822	616	320	151	129	238	464
1958	Wet	840	1,074	1,359	1,558	1,805	2,039	1,862	1,492	1,297	996	810	919
1959	Below Normal	932	900	1,302	1,165	1,084	1,124	933	563	207	189	249	432
1960	Dry	525	661	847	1,115	1,231	1,323	1,015	667	230	149	100	300
1961	Dry	251	486	990	1,252	1,315	1,506	1,245	869	256	244	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	464
1963	Wet	818	1,249	1,491	1,590	1,684	1,795	1,500	1,081	725	711	757	865
1964	Dry	944	1,347	1,615	1,743	1,808	1,817	1,496	1,074	451	432	255	464
1965	Wet	474	558	799	1,132	1,306	1,482	1,227	759	338	214	310	497
1966	Below Normal	439	739	1,239	1,360	1,410	1,435	1,184	768	290	225	255	490
1967	Wet	552	768	1,092	1,392	1,589	1,799	1,629	1,356	1,312	1,205	1,060	1,192
1968	Below Normal	1,272	1,144	1,567	1,572	1,392	1,410	1,139	768	328	341	417	612
1969	Wet	778	1,021	1,546	1,842	2,039	2,039	2,011	2,039	2,022	1,870	1,671	1,654
1970	Wet	1,693	1,464	1,707	1,981	2,039	2,039	1,730	1,269	745	634	618	595
1971	Wet	604	790	1,024	1,061	1,051	1,203	973	591	268	270	357	587
1972	Below Normal	666	624	1,165	1,429	1,434	1,409	1,174	774	302	270	333	557
1973	Above Normal	715	1,151	1,413	1,603	1,825	1,959	1,659	1,267	879	796	781	755
1974	Wet	980	1,366	1,656	1,853	1,910	2,036	1,712	1,209	817	606	587	703
1975	Wet	818	837	1,282	1,307	1,260	1,467	1,138	674	382	301	357	543
1976	Critical	805	780	1,244	1,327	1,370	1,463	1,294	974	538	464	260	343
1977	Critical	380	455	537	727	843	753	647	548	359	182	235	183
1978	Above Normal	210	239	375	660	1,093	1,424	1,286	1,073	960	852	777	952
1979	Below Normal	992	1,036	1,484	1,615	1,772	1,933	1,647	1,301	811	750	760	790
1980	Above Normal	975	1,055	1,527	1,873	2,039	2,039	1,812	1,441	1,182	1,066	870	536
1981	Dry	616	682	1,128	1,156	1,121	1,150	947	573	249	203	102	333
1982	Wet	469	899	1,157	1,446	1,948	2,039	2,039	1,785	1,537	1,262	1,084	1,200
1983	Wet	1,454	1,720	2,039	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,818	2,039	1,855	1,550	1,377	1,246	1,002	938
1987	Dry	932	744	1,177	1,216	1,214	1,257	1,046	813	480	465	219	220
1988	Critical	294	436	740	935	883	874	789	623	303	422	369	294
1989	Dry	291	532	840	1,178	1,218	1,211	995	603	262	217	100	331
1990	Critical	390	481	727	979	1,072	1,024	859	666	293	480	379	296
1991	Critical	314	401	581	591	687	684	600	423	260	360	231	136
1992	Critical	122	242	364	485	581	717	579	368	148	145	181	100
1993	Above Normal	100	184	420	715	1,000	1,181	874	465	307	236	256	461
1994	Critical	555	577	1,065	1,203	1,302	1,317	1,088	757	192	189	100	134
1995	Wet	144	303	444	695	921	1,421	1,190	1,297	1,193	1,070	923	1,048
1996	Wet	923	804	980	938	1,240	1,586	1,271	910	540	414	411	586
1997	Wet	469	561	1,070	1,512	1,873	2,039	1,701	1,220	791	544	538	702
1998	Wet	667	576	1,028	1,022	1,371	1,724	1,533	1,244	1,156	1,026	866	996
1999	Wet	1,245	1,396	1,547	1,636	1,755	1,904	1,602	1,163	795	750	770	919
2000	Above Normal	630	649	1,071	1,020	1,242	1,544	1,257	820	454	259	269	481
2001	Dry	450	515	991	1,240	1,384	1,526	1,361	1,043	671	697	413	474
2002	Dry	501	736	1,105	1,326	1,531	1,610	1,311	904	446	461	219	398
2003	Above Normal	302	435	620	788	1,004	1,168	923	545	337	297	358	536

Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)

Alternative 5 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	601	717	1,129	1,374	1,469	1,716	1,438	1,009	850	686	641	816
1923	Below Normal	907	1,075	1,342	1,396	1,459	1,422	1,186	778	452	416	416	647
1924	Critical	815	1,010	1,197	1,418	1,478	1,361	1,214	1,009	649	628	394	336
1925	Dry	488	619	1,030	1,352	1,520	1,661	1,470	1,106	774	743	569	733
1926	Dry	818	994	1,192	1,462	1,508	1,352	1,216	888	594	619	461	524
1927	Wet	541	1,010	1,310	1,485	1,763	1,879	1,565	1,124	753	705	714	850
1928	Above Normal	845	935	1,407	1,517	1,437	1,681	1,382	946	557	462	478	663
1929	Critical	700	676	1,009	1,125	1,200	1,311	1,244	1,077	767	530	481	452
1930	Dry	535	647	983	1,223	1,413	1,534	1,401	1,148	792	826	640	850
1931	Critical	901	1,024	1,175	1,462	1,647	1,611	1,440	1,192	811	637	337	264
1932	Dry	330	440	1,080	1,426	1,795	1,915	1,709	1,427	981	898	885	964
1933	Critical	1,047	1,166	1,420	1,723	1,967	1,981	1,839	1,601	1,209	890	778	793
1934	Critical	852	931	1,255	1,583	1,772	1,757	1,573	1,337	933	503	280	288
1935	Below Normal	343	508	834	1,182	1,391	1,518	1,313	933	684	605	511	732
1936	Below Normal	858	1,015	1,280	1,429	1,882	2,039	1,803	1,403	1,026	972	905	1,022
1937	Below Normal	1,174	1,300	1,697	1,850	2,039	2,039	1,837	1,558	1,270	1,175	951	935
1938	Wet	1,073	1,463	1,829	2,015	2,039	2,039	1,931	1,733	1,663	1,491	1,338	1,416
1939	Dry	1,440	1,213	1,566	1,575	1,541	1,346	1,057	677	155	132	100	291
1940	Above Normal	264	362	445	668	930	1,321	1,099	682	343	211	215	397
1941	Wet	453	472	812	1,147	1,675	1,991	1,744	1,380	1,112	966	914	1,065
1942	Wet	1,038	1,099	1,378	1,571	1,718	1,821	1,477	1,050	773	600	573	714
1943	Wet	719	779	1,003	1,240	1,413	1,780	1,481	1,061	647	424	315	440
1944	Dry	410	417	832	956	1,076	1,137	952	637	313	391	338	318
1945	Below Normal	388	880	1,232	1,535	1,808	2,012	1,707	1,248	741	651	644	766
1946	Below Normal	959	1,343	1,648	1,807	1,931	1,979	1,661	1,215	726	647	638	775
1947	Dry	971	1,258	1,544	1,645	1,699	1,581	1,313	878	381	325	145	328
1948	Below Normal	456	675	818	850	684	788	618	310	201	193	306	547
1949	Dry	696	890	1,237	1,514	1,744	1,758	1,447	993	458	353	157	355
1950	Below Normal	352	473	663	782	893	1,111	872	504	372	327	348	575
1951	Above Normal	829	1,271	1,830	2,039	2,039	2,039	1,740	1,279	858	640	602	746
1952	Wet	759	973	1,208	1,400	1,494	1,839	1,629	1,396	1,304	1,101	1,007	1,161
1953	Wet	1,147	1,245	1,566	1,487	1,485	1,524	1,248	856	444	462	546	780
1954	Above Normal	729	762	1,236	1,231	1,232	1,335	1,068	662	301	119	174	404
1955	Dry	467	698	1,227	1,527	1,727	1,782	1,561	1,190	612	615	405	580
1956	Wet	604	874	1,308	1,790	2,011	2,039	1,712	1,228	917	718	616	700
1957	Above Normal	684	713	1,120	1,145	966	823	617	320	151	130	239	465
1958	Wet	841	1,074	1,359	1,558	1,805	2,039	1,819	1,420	1,220	931	754	865
1959	Below Normal	880	859	1,263	1,129	1,052	1,098	892	529	205	192	256	439
1960	Dry	531	667	853	1,122	1,239	1,331	1,022	673	230	151	100	304
1961	Dry	261	498	1,002	1,261	1,321	1,510	1,249	872	258	246	100	182
1962	Below Normal	221	362	470	747	961	1,194	962	574	278	232	268	465
1963	Wet	818	1,249	1,491	1,590	1,677	1,788	1,494	1,076	722	709	757	864
1964	Dry	944	1,347	1,615	1,744	1,810	1,819	1,498	1,075	452	432	256	465
1965	Wet	475	560	800	1,113	1,259	1,437	1,185	723	316	205	308	498
1966	Below Normal	441	737	1,239	1,363	1,418	1,443	1,173	759	284	223	256	488
1967	Wet	552	769	1,092	1,395	1,585	1,791	1,572	1,269	1,202	1,020	878	1,014
1968	Below Normal	1,087	1,095	1,526	1,532	1,353	1,371	1,103	731	289	296	370	566
1969	Wet	715	966	1,496	1,771	2,039	2,039	1,952	2,030	2,014	1,863	1,664	1,657
1970	Wet	1,697	1,468	1,712	1,987	2,039	2,039	1,732	1,271	746	636	618	590
1971	Wet	600	785	1,019	1,056	1,046	1,198	969	587	268	270	358	588
1972	Below Normal	667	624	1,166	1,430	1,435	1,410	1,174	775	303	271	333	558
1973	Above Normal	715	1,152	1,414	1,603	1,825	1,959	1,659	1,204	811	729	715	755
1974	Wet	938	1,323	1,614	1,770	1,825	1,965	1,614	1,114	738	545	546	701
1975	Wet	824	842	1,292	1,323	1,282	1,497	1,164	696	398	312	362	545
1976	Critical	809	782	1,244	1,324	1,364	1,457	1,289	972	537	465	262	348
1977	Critical	382	458	542	731	847	757	645	546	357	180	234	183
1978	Above Normal	209	239	375	660	1,041	1,336	1,167	923	743	563	500	682
1979	Below Normal	731	876	1,337	1,505	1,720	1,932	1,618	1,223	735	676	689	770
1980	Above Normal	992	1,090	1,562	1,781	2,039	2,039	1,822	1,463	1,210	987	836	739
1981	Dry	800	764	1,220	1,247	1,215	1,167	963	587	236	196	104	328
1982	Wet	465	894	1,151	1,442	1,911	2,039	2,039	1,740	1,461	1,187	1,009	1,125
1983	Wet	1,376	1,593	1,966	2,039	2,039	2,039	2,039	2,039	2,039	1,983	1,942	2,039
1984	Wet	2,039	2,039	2,039	2,039	2,039	2,039	1,743	1,279	776	666	640	771
1985	Dry	826	1,211	1,596	1,673	1,708	1,690	1,430	1,024	540	522	348	566
1986	Wet	758	1,109	1,402	1,367	1,685	2,039	1,835	1,504	1,320	1,190	1,022	891
1987	Dry	880	705	1,138	1,177	1,176	1,218	1,012	785	461	444	204	210
1988	Critical	286	430	736	933	881	873	788	624	304	423	370	296
1989	Dry	293	534	842	1,180	1,221	1,214	998	606	266	222	100	329
1990	Critical	388	478	725	977	1,070	1,022	858	665	291	479	377	294
1991	Critical	312	399	580	589	686	682	599	423	260	360	230	134
1992	Critical	121	243	363	482	578	714	577	366	146	145	181	100
1993	Above Normal	100	184	417	713	995	1,174	868	459	305	235	255	460
1994	Critical	554	574	1,063	1,202	1,303	1,318	1,089	758	193	189	100	134
1995	Wet	144	303	444	695	902	1,369	1,117	894	752	652	523	654
1996	Wet	518	496	675	755	1,159	1,540	1,235	859	489	369	408	588
1997	Wet	475	572	1,073	1,515	1,876	2,039	1,682	1,200	772	525	565	730
1998	Wet	675	574	1,027	1,021	1,347	1,698	1,491	1,191	1,138	1,044	919	1,067
1999	Wet	1,234	1,386	1,539	1,639	1,763	1,911	1,617	1,176	805	757	774	709
2000	Above Normal	622	643	1,065	1,012	1,230	1,530	1,245	808	442	245	255	467
2001	Dry	438	504	975	1,231	1,381	1,525	1,359	1,039	666	700	410	470
2002	Dry	496	731	1,099	1,320	1,524	1,603	1,306	899	442	458	213	400
2003	Above Normal	305	434	624	789	1,003	1,167	922	544	336	297	358	537

Change in Simulated End-of-Month San Luis Reservoir Storage (Node S11 + S12)
 Alternative 5 - Existing Condition (taf)

SVI													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	-5	-6	-5	-69	-86	-83	-66	-65
1923	Below Normal	-58	0	0	-7	-11	-9	-7	-7	-16	-13	-35	-35
1924	Critical	-35	-65	-97	-94	-92	-92	-92	-91	-90	-116	-70	-68
1925	Dry	-67	-73	-73	-74	-75	-60	-56	-47	-32	-29	-11	-12
1926	Dry	-9	-4	-2	4	10	6	3	-3	-12	0	-9	1
1927	Wet	-1	-3	-5	-8	-12	-11	-3	-9	-14	-10	-2	-2
1928	Above Normal	-1	-1	0	1	2	1	0	0	-1	-2	-2	-2
1929	Critical	-2	-1	-1	0	0	0	0	1	1	1	1	0
1930	Dry	1	1	1	1	1	0	0	-1	-2	-1	-2	-4
1931	Critical	-5	-5	-5	-5	-6	-6	-6	-7	-7	-5	-6	-7
1932	Dry	-7	-7	-7	-7	-3	-3	-3	-3	-3	-4	-7	-8
1933	Critical	-8	-9	-9	-9	-9	-8	-8	-7	-6	-2	0	1
1934	Critical	2	4	5	6	6	6	5	5	3	2	-1	-1
1935	Below Normal	7	3	-1	-1	-1	-1	0	1	-1	0	0	1
1936	Below Normal	1	0	1	0	3	0	-12	-74	-74	-73	-73	-73
1937	Below Normal	-73	-73	-73	-73	0	0	-18	-59	-116	-113	-124	-121
1938	Wet	-118	-116	-114	-24	0	0	-28	-306	-281	-247	-201	-127
1939	Dry	-115	-97	-115	-113	-110	-99	-78	-74	-81	-63	0	-4
1940	Above Normal	-3	25	11	23	35	35	31	-11	-19	-30	-18	6
1941	Wet	5	-7	-9	-12	-24	-19	-17	-26	-25	-19	-15	-13
1942	Wet	-10	-6	-5	-23	-34	-34	-32	-29	-28	-24	-18	13
1943	Wet	14	16	17	-51	-69	-79	-104	-128	-123	-117	-111	-111
1944	Dry	-105	-68	-67	-39	-14	-5	-4	-2	1	-1	5	6
1945	Below Normal	7	8	9	11	-63	-24	-24	-20	-14	-6	-1	4
1946	Below Normal	-14	-13	-14	-24	-13	-12	-11	-9	-5	-1	2	0
1947	Dry	0	1	0	1	1	1	2	1	-1	-3	-7	-8
1948	Below Normal	-7	-6	-6	-3	0	1	1	-2	-1	-1	-1	-1
1949	Dry	-1	0	0	0	0	0	0	0	-1	-2	-2	-2
1950	Below Normal	-5	-5	-5	-3	-1	-1	-1	-1	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	-4	-4	-38	-79	-115	-151	-142	-130	-89
1953	Wet	-85	15	0	-50	-48	-27	8	14	21	33	40	43
1954	Above Normal	49	43	41	34	28	20	18	13	4	1	-2	-4
1955	Dry	-3	-4	-5	-6	-6	-6	-5	-3	0	3	5	-3
1956	Wet	-2	-1	-68	-33	-28	0	0	0	0	-1	-1	1
1957	Above Normal	1	1	0	0	1	1	1	0	0	1	1	1
1958	Wet	1	0	0	0	0	0	-43	-72	-76	-65	-56	-53
1959	Below Normal	-51	-41	-39	-36	-32	-26	-41	-34	-2	3	7	7
1960	Dry	7	6	5	7	8	7	7	0	7	3	0	3
1961	Dry	10	11	12	9	5	4	4	3	3	2	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	-7	-7	-6	-5	-3	-1	0	-1
1964	Dry	0	0	1	1	2	1	1	1	1	0	0	0
1965	Wet	1	1	1	-19	-47	-44	-43	-36	-22	-9	-2	1
1966	Below Normal	2	-2	0	3	8	8	-11	-9	-6	-2	1	-2
1967	Wet	0	0	1	2	-4	-8	-52	-87	-109	-185	-182	-178
1968	Below Normal	-184	-49	-41	-40	-40	-40	-37	-37	-39	-46	-47	-46
1969	Wet	-63	-55	-50	-71	0	0	-59	-9	-8	-8	-8	4
1970	Wet	4	4	6	6	0	0	3	2	1	1	1	-5
1971	Wet	-5	-5	-5	-5	-5	-5	-4	-4	0	0	1	1
1972	Below Normal	1	1	1	1	1	1	1	1	1	1	1	1
1973	Above Normal	1	1	1	1	0	0	0	-62	-68	-67	-67	0
1974	Wet	-43	-43	-43	-82	-85	-71	-98	-95	-79	-61	-41	-2
1975	Wet	6	5	10	17	22	30	26	22	16	10	6	2
1976	Critical	4	2	0	-3	-5	-6	-4	-3	-1	2	2	5
1977	Critical	2	4	5	4	4	4	-2	-2	-2	-2	-1	-1
1978	Above Normal	-1	1	0	0	-52	-88	-119	-151	-217	-289	-278	-270
1979	Below Normal	-260	-160	-147	-111	-53	-1	-30	-78	-76	-74	-71	-20
1980	Above Normal	17	35	35	-92	0	0	10	22	28	-79	-34	202
1981	Dry	184	83	92	91	94	17	16	14	-12	-8	1	-5
1982	Wet	-3	-5	-5	-4	-36	0	0	-45	-76	-75	-75	-75
1983	Wet	-78	-127	-73	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	-133	0	-19	-46	-56	-56	20	-46
1987	Dry	-52	-39	-39	-39	-39	-38	-34	-28	-19	-21	-15	-11
1988	Critical	-8	-5	-4	-2	-1	-1	0	0	1	1	1	2
1989	Dry	2	2	2	2	3	3	3	3	4	5	0	-2
1990	Critical	-2	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1991	Critical	-2	-2	-2	-2	-2	-2	-2	0	0	0	-1	-1
1992	Critical	-2	0	-1	-3	-3	-3	-3	-2	-2	0	0	0
1993	Above Normal	0	0	-3	-3	-6	-7	-6	-5	-2	-2	-1	-1
1994	Critical	-1	-2	-2	0	1	1	1	1	1	0	0	0
1995	Wet	0	0	0	0	-19	-52	-73	-403	-441	-418	-400	-394
1996	Wet	-404	-308	-305	-183	-81	-47	-36	-52	-51	-45	-3	2
1997	Wet	6	10	3	3	2	0	-19	-20	-18	-19	28	29
1998	Wet	7	-2	-1	-1	-24	-27	-42	-53	-19	18	53	71
1999	Wet	-11	-10	-8	2	8	7	15	13	10	7	4	-10
2000	Above Normal	-8	-6	-6	-8	-13	-14	-12	-12	-12	-14	-14	-14
2001	Dry	-13	-12	-16	-9	-3	-1	-2	-4	-6	3	-3	-4
2002	Dry	-5	-5	-6	-6	-6	-6	-5	-5	-3	-2	-6	3
2003	Above Normal	3	-1	4	2	-1	-1	-1	-1	-1	0	0	1

Simulated Friant-Kern Canal Diversions (Node D18A)

Existing Condition (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet			2,163	3,085	3,622	4,436	3,653	3,199	1,789	626	161	107	1,096	1,294
1923	Above Normal			848	1,718	2,157	3,070	3,227	2,828	1,585	560	150	96	96	717
1924	Critical			296	373	525	1,119	1,395	853	508	377	169	16	16	200
1925	Below Normal			626	1,141	1,583	2,309	2,424	2,193	1,175	428	127	74	74	420
1926	Dry			603	1,097	1,695	2,184	2,294	2,076	1,114	408	124	71	71	553
1927	Above Normal			891	1,744	3,408	4,329	3,289	2,882	1,615	570	151	98	98	731
1928	Below Normal			670	1,350	2,029	2,351	2,534	2,231	1,226	444	130	77	77	438
1929	Critical			393	494	702	1,527	1,909	1,149	671	495	210	16	16	265
1930	Critical			387	486	690	1,500	1,874	1,129	661	488	207	16	16	261
1931	Critical			210	267	372	768	954	598	368	275	0	16	16	138
1932	Above Normal			923	1,814	2,303	4,247	3,451	3,023	1,693	595	156	102	102	794
1933	Dry			607	1,105	1,532	2,236	2,347	2,124	1,139	416	125	72	72	407
1934	Critical			334	421	594	1,277	1,593	967	571	423	185	16	16	225
1935	Above Normal			854	1,665	2,098	4,151	3,102	2,719	1,526	541	146	93	93	481
1936	Above Normal			1,170	1,639	3,315	3,295	3,130	2,743	1,539	545	147	94	94	390
1937	Wet			508	1,356	1,912	4,121	3,071	2,692	1,511	536	146	629	1,292	1,908
1938	Wet			326	782	1,687	4,462	4,487	3,581	2,208	897	278	220	560	1,094
1939	Dry			788	2,299	1,382	2,011	2,113	1,913	1,030	381	119	66	66	353
1940	Above Normal			809	1,568	3,165	3,410	2,876	2,522	1,418	506	140	87	87	573
1941	Wet			2,206	3,161	2,485	4,446	3,986	3,391	2,093	853	266	209	1,409	1,916
1942	Wet			957	3,003	3,384	4,431	3,622	3,172	1,774	625	160	106	106	2,032
1943	Wet			508	1,464	3,357	3,338	3,203	2,807	1,574	557	149	95	95	712
1944	Below Normal			664	1,339	1,682	2,391	2,576	2,268	1,246	451	131	78	78	390
1945	Above Normal			942	1,856	3,267	4,211	3,550	3,110	1,740	610	158	783	1,304	976
1946	Above Normal			816	1,622	2,975	2,801	2,944	2,581	1,451	517	142	89	186	1,049
1947	Dry			613	1,117	1,714	2,227	2,338	2,115	1,135	415	125	72	72	391
1948	Below Normal			503	912	1,264	1,842	1,936	1,754	948	355	114	62	62	339
1949	Below Normal			576	1,047	1,452	2,116	2,222	2,011	1,081	398	122	69	69	386
1950	Below Normal			646	1,299	1,630	2,316	2,495	2,198	1,208	439	122	1,276	1,276	1,632
1951	Above Normal			681	1,373	1,723	2,449	2,638	2,323	1,275	460	132	79	79	1,640
1952	Wet			706	1,735	1,742	4,450	3,792	3,405	2,101	856	267	210	922	1,090
1953	Below Normal			699	1,411	1,772	2,519	2,714	2,389	1,310	471	134	81	81	468
1954	Below Normal			620	1,130	1,567	2,284	2,398	2,170	1,163	424	126	73	73	415
1955	Dry			599	1,090	1,512	2,205	2,315	2,095	1,124	411	124	70	70	1,588
1956	Wet			1,726	3,083	3,403	4,240	3,851	3,372	1,883	656	166	112	112	885
1957	Below Normal			722	1,457	1,830	2,603	2,737	2,401	1,352	485	137	84	84	632
1958	Wet			921	1,609	2,436	4,448	3,774	3,389	2,092	852	266	209	209	889
1959	Dry			942	1,080	1,463	2,130	2,237	2,025	1,088	400	122	69	69	375
1960	Critical			369	465	658	1,426	1,781	1,076	631	466	200	16	16	249
1961	Critical			306	386	543	1,163	1,450	885	526	390	173	16	16	207
1962	Below Normal			877	1,760	2,229	3,259	3,326	2,914	1,633	575	152	99	99	1,934
1963	Above Normal			963	1,900	2,422	3,926	3,653	3,199	1,789	626	161	107	107	811
1964	Dry			560	1,018	1,410	2,055	2,158	1,954	1,051	388	120	67	1,267	1,575
1965	Wet			967	1,964	2,467	3,514	3,692	3,233	1,807	632	162	108	1,026	988
1966	Below Normal			694	1,888	2,488	2,353	2,470	2,235	1,197	435	128	70	477	1,605
1967	Wet			2,435	1,116	1,555	4,204	4,482	3,626	2,520	1,720	551	485	485	1,787
1968	Dry			495	897	1,241	1,805	1,897	1,718	930	349	113	61	61	332
1969	Wet			636	541	1,223	2,994	4,480	3,423	2,238	1,529	495	430	1,454	1,748
1970	Above Normal			1,134	1,507	1,893	2,691	2,830	2,481	1,396	499	139	86	86	653
1971	Below Normal			695	1,402	1,761	2,503	2,697	2,374	1,302	469	134	81	81	449
1972	Dry			559	1,017	1,408	2,051	2,154	1,950	1,050	387	120	67	67	375
1973	Above Normal			841	2,761	1,956	4,089	3,037	2,662	1,495	531	145	109	1,291	1,191
1974	Wet			1,956	2,910	3,360	4,138	3,208	2,811	1,576	557	149	96	96	739
1975	Wet			881	1,722	3,226	4,280	3,238	2,837	1,591	562	150	96	96	720
1976	Critical			426	534	759	1,654	2,068	1,241	722	532	223	16	16	286
1977	Critical			173	221	305	617	763	476	307	231	0	16	16	119
1978	Wet			846	1,143	1,881	4,326	4,486	3,717	2,428	1,658	533	467	1,452	2,009
1979	Above Normal			1,491	1,631	3,252	3,617	3,024	2,651	1,489	529	144	91	80	377
1980	Wet			895	2,230	3,249	4,460	4,486	3,560	2,195	892	277	219	391	1,154
1981	Dry			661	1,331	1,670	2,372	2,556	2,251	1,236	448	130	77	77	1,642
1982	Wet			2,307	541	2,927	4,461	3,969	3,563	2,197	2,093	1,477	151	112	568
1983	Wet			91	956	1,480	2,351	4,467	3,870	2,873	1,959	1,393	521	1,753	2,042
1984	Above Normal			1,257	1,738	2,183	3,105	3,263	2,860	1,603	566	151	97	97	751
1985	Dry			624	1,137	1,582	2,293	2,407	2,178	1,167	425	126	74	74	390
1986	Wet			465	3,033	3,530	4,429	3,498	3,064	1,715	602	157	103	103	804
1987	Critical			500	906	1,253	1,822	1,914	1,734	938	351	114	61	61	323
1988	Critical			389	489	693	1,507	1,883	1,134	663	490	208	16	16	262
1989	Critical			409	514	730	1,590	1,987	1,195	696	514	216	16	16	275
1990	Critical			316	399	562	1,205	1,503	915	543	402	178	16	16	214
1991	Critical			440	553	787	1,724	2,156	1,292	750	552	230	16	16	287
1992	Critical			384	483	684	1,483	1,852	1,117	654	482	205	16	16	791
1993	Wet			2,190	3,107	3,505	4,440	3,790	3,319	1,854	647	165	111	111	871
1994	Critical			558	1,014	1,404	2,044	2,147	1,944	1,046	386	120	67	657	1,574
1995	Wet			1,036	2,631	2,029	4,076	4,468	3,874	2,876	1,962	622	553	553	2,337
1996	Wet			829	2,935	3,396	4,309	3,268	2,864	1,605	567	151	91	91	658
1997	Wet			1,970	1,881	3,281	2,808	2,952	2,588	1,454	518	142	89	89	390
1998	Wet			902	566	1,578	2,573	4,481	3,577	2,657	1,813	578	511	511	1,953
1999	Above Normal			754	1,524	1,914	2,722	2,861	2,509	1,411	504	140	87	87	637
2000	Above Normal			825	1,601	3,209	3,403	2,953	2,589	1,455	518	142	89	89	681
2001	Dry			592	1,077	1,493	2,175	2,284	2,067	1,110	407	123	71	71	396
2002	Dry			553	1,005	1,392	2,025	2,127	1,926	1,037	383	119	67	67	370
2003	Below Normal			655	1,320	1,658	2,355	2,538	2,235	1,228	n/a	n/a	n/a	n/a	n/a

Simulated Friant-Kern Canal Diversions (Node D18A)

Alternative 5 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	1,232	1,288	1,971	3,016	3,876	3,641	2,531	1,727	553	487	487	1,858
1923	Above Normal	880	1,780	2,231	3,162	3,323	2,911	1,631	575	152	99	99	738
1924	Critical	510	926	1,286	1,884	1,980	1,793	968	361	115	63	63	346
1925	Below Normal	560	1,012	1,390	2,001	2,102	1,903	1,025	380	119	66	66	366
1926	Dry	542	978	1,340	1,925	2,023	1,832	988	368	117	64	64	353
1927	Above Normal	928	1,877	2,352	3,330	3,500	3,065	1,716	602	157	103	103	777
1928	Below Normal	616	1,115	1,538	2,222	2,333	2,112	1,133	414	125	72	72	405
1929	Critical	412	519	738	1,610	2,012	1,209	704	519	218	16	16	279
1930	Critical	384	484	685	1,495	1,868	1,126	658	486	207	16	16	260
1931	Critical	206	264	367	762	945	594	365	273	133	16	16	137
1932	Above Normal	873	1,764	2,210	3,129	3,289	2,882	1,615	570	151	98	98	757
1933	Dry	548	989	1,361	1,968	2,067	1,872	1,009	374	118	65	65	360
1934	Critical	342	431	608	1,320	1,647	998	588	435	189	16	16	232
1935	Above Normal	807	1,629	2,038	2,877	3,025	2,651	1,489	529	144	91	91	464
1936	Above Normal	927	1,836	2,350	3,325	3,494	3,061	1,713	601	157	103	103	390
1937	Wet	544	1,621	2,269	3,487	3,664	3,209	1,794	628	161	107	107	2,042
1938	Wet	395	1,153	1,869	4,168	4,474	3,998	2,968	2,023	641	571	571	2,186
1939	Dry	844	1,712	2,146	3,046	3,202	2,806	1,574	556	149	95	91	416
1940	Above Normal	825	1,664	2,084	2,946	3,097	2,714	1,523	540	146	93	93	623
1941	Wet	1,287	1,343	1,987	3,028	3,808	3,562	2,646	1,805	576	509	509	1,945
1942	Wet	1,284	1,342	2,052	3,024	3,803	3,558	2,643	1,803	576	508	403	1,942
1943	Wet	273	992	1,900	3,167	3,995	3,766	2,460	1,679	539	473	473	1,743
1944	Below Normal	845	1,707	2,143	3,036	3,191	2,797	1,569	555	149	95	95	627
1945	Above Normal	842	1,700	2,130	3,013	3,167	2,776	1,557	551	148	95	95	729
1946	Above Normal	846	1,709	2,141	3,030	3,185	2,791	1,566	554	149	95	95	733
1947	Dry	772	1,556	1,950	2,760	2,902	2,544	1,430	510	141	88	88	646
1948	Below Normal	498	905	1,255	1,829	1,922	1,741	942	353	114	61	61	336
1949	Below Normal	510	920	1,264	1,818	1,911	1,731	936	351	114	61	61	334
1950	Below Normal	587	1,063	1,462	2,109	2,215	2,005	1,078	396	121	69	69	385
1951	Above Normal	875	1,769	2,220	3,152	3,313	2,903	1,626	573	152	98	98	736
1952	Wet	900	986	1,703	3,077	3,954	3,714	2,581	1,761	563	496	496	1,896
1953	Below Normal	877	1,780	2,234	3,175	3,336	2,923	1,638	577	153	99	99	768
1954	Below Normal	629	1,141	1,572	2,271	2,384	2,157	1,157	422	126	73	73	413
1955	Dry	541	976	1,345	1,938	2,036	1,844	995	370	117	64	64	343
1956	Wet	1,216	1,273	1,946	2,985	3,835	3,602	2,504	1,709	548	481	481	1,838
1957	Below Normal	916	1,854	2,328	3,305	3,473	3,042	1,703	598	156	102	102	799
1958	Wet	957	1,325	1,972	3,839	3,933	3,531	2,178	885	275	217	217	926
1959	Dry	761	1,538	1,925	2,730	2,870	2,517	1,415	505	140	87	87	639
1960	Critical	387	487	690	1,504	1,879	1,132	662	489	208	16	16	261
1961	Critical	303	383	540	1,162	1,449	884	525	389	173	16	16	207
1962	Below Normal	810	1,636	2,046	2,892	3,040	2,665	1,496	531	145	91	91	700
1963	Above Normal	777	1,566	1,962	2,775	2,917	2,558	1,438	513	141	88	88	649
1964	Dry	689	1,384	1,733	2,452	2,642	2,326	1,277	461	133	79	79	456
1965	Wet	850	1,719	2,155	3,051	3,207	2,810	1,576	557	149	96	96	738
1966	Below Normal	867	1,752	2,193	3,110	3,269	2,864	1,605	567	151	91	91	752
1967	Wet	1,362	1,259	1,789	2,856	3,580	3,847	2,856	1,948	618	550	550	2,030
1968	Dry	885	1,797	2,254	3,204	3,367	2,950	1,652	582	153	100	91	390
1969	Wet	949	793	1,769	2,869	4,476	3,998	2,968	2,023	641	571	571	2,186
1970	Above Normal	1,104	1,160	1,768	3,134	3,888	3,468	2,267	1,549	501	436	436	1,661
1971	Below Normal	854	1,727	2,166	3,074	3,231	2,831	1,588	561	150	96	96	718
1972	Dry	510	917	1,265	1,826	1,918	1,738	940	352	114	61	61	336
1973	Above Normal	896	1,813	2,168	3,222	3,386	2,967	1,662	585	154	100	100	779
1974	Wet	927	1,872	2,346	3,342	3,512	3,076	1,721	604	157	103	103	808
1975	Wet	877	1,771	2,225	3,150	3,310	2,900	1,625	573	152	98	98	736
1976	Critical	566	1,023	1,411	2,043	2,146	1,943	1,046	386	120	67	67	373
1977	Critical	188	241	334	691	856	542	337	253	50	16	16	131
1978	Wet	1,051	1,384	2,263	2,931	3,674	3,948	2,931	1,998	633	564	564	2,158
1979	Above Normal	1,127	1,178	1,797	3,206	3,978	3,549	2,319	1,584	511	446	123	1,085
1980	Wet	1,237	1,501	2,301	2,968	3,721	3,998	2,968	2,023	641	571	571	2,186
1981	Dry	843	1,702	2,135	3,028	3,182	2,789	1,564	553	149	95	95	733
1982	Wet	1,436	878	2,301	2,968	3,721	3,998	2,968	2,023	641	503	270	1,362
1983	Wet	128	1,028	1,578	2,446	4,476	3,998	2,968	2,023	932	539	1,771	2,111
1984	Above Normal	1,323	1,385	2,117	2,982	3,662	3,662	2,720	1,855	591	523	523	2,000
1985	Dry	866	1,751	2,193	3,108	3,267	2,863	1,605	566	151	97	97	390
1986	Wet	719	1,315	2,013	2,972	3,738	3,496	2,597	1,773	567	499	499	1,908
1987	Critical	706	1,419	1,775	2,512	2,707	2,383	1,307	470	134	81	81	451
1988	Critical	404	509	722	1,580	1,975	1,188	693	511	215	16	16	274
1989	Critical	408	512	725	1,586	1,982	1,191	695	512	216	16	16	275
1990	Critical	314	397	559	1,206	1,504	916	543	402	178	16	16	214
1991	Critical	439	551	786	1,722	2,154	1,291	749	552	229	16	16	286
1992	Critical	378	477	674	1,465	1,830	1,104	647	477	204	16	16	255
1993	Wet	970	1,962	2,459	3,479	3,655	3,201	1,790	626	161	107	107	840
1994	Critical	646	1,170	1,616	2,344	2,461	2,226	1,192	433	128	75	75	426
1995	Wet	1,095	1,501	2,125	2,968	4,476	3,998	2,968	2,023	641	571	571	2,111
1996	Wet	1,278	2,589	3,338	4,105	3,757	3,757	2,790	1,903	605	311	123	1,959
1997	Wet	1,935	1,486	3,275	3,012	3,788	3,543	2,632	1,796	573	506	506	1,270
1998	Wet	1,048	730	1,828	2,500	4,476	3,998	2,968	2,023	641	571	571	2,186
1999	Above Normal	1,126	1,180	1,797	3,195	3,964	3,536	2,311	1,578	509	444	444	1,635
2000	Above Normal	822	1,658	2,076	2,936	3,086	2,705	1,518	539	146	92	92	711
2001	Dry	731	1,471	1,842	2,602	2,736	2,400	1,351	485	137	83	83	631
2002	Dry	511	922	1,266	1,825	1,918	1,738	940	352	114	61	61	336
2003	Below Normal	598	1,083	1,496	2,160	2,268	2,053	1,103	n/a	n/a	n/a	n/a	n/a

Change in Simulated Friant-Kern Canal Diversions (Node D18A)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-931	-1,797	-1,651	-1,420	223	442	742	1,101	392	380	-609	564
1923	Above Normal	33	62	74	92	96	84	46	15	3	2	2	21
1924	Critical	214	553	760	765	584	940	460	-16	-54	47	47	146
1925	Below Normal	-66	-130	-193	-308	-322	-290	-150	-48	-8	-8	-8	-53
1926	Dry	-60	-119	-355	-259	-271	-244	-126	-41	-7	-7	-7	-200
1927	Above Normal	37	132	-1,056	-999	211	184	100	32	6	5	5	46
1928	Below Normal	-53	-235	-492	-129	-200	-120	-93	-30	-5	-5	-5	-33
1929	Critical	19	24	36	82	104	60	33	24	8	0	0	13
1930	Critical	-3	-2	-5	-5	-6	-4	-2	-1	-1	0	0	-1
1931	Critical	-4	-3	-5	-7	-8	-5	-3	-2	133	0	0	-1
1932	Above Normal	-50	-50	-93	-1,118	-163	-142	-78	-25	-4	-4	-4	-37
1933	Dry	-59	-116	-171	-267	-280	-252	-130	-42	-7	-7	-7	-46
1934	Critical	8	10	14	43	54	31	17	12	4	0	0	7
1935	Above Normal	-47	-36	-61	-1,274	-78	-68	-37	-12	-2	-2	-2	-17
1936	Above Normal	-243	197	-965	30	364	317	174	56	10	9	9	0
1937	Wet	37	265	358	-634	593	517	283	91	16	-522	-1,185	135
1938	Wet	69	371	181	-294	-13	418	760	1,126	363	351	11	1,093
1939	Dry	56	-587	764	1,035	1,089	893	543	175	30	29	25	63
1940	Above Normal	16	96	-1,081	-464	221	192	105	34	6	6	6	50
1941	Wet	-920	-1,819	-498	-1,419	-178	170	553	953	310	300	-900	29
1942	Wet	328	-1,661	-1,332	-1,407	182	385	869	1,178	415	402	301	-90
1943	Wet	-235	-472	-1,457	-171	791	959	885	1,123	390	377	377	1,031
1944	Below Normal	181	368	461	645	615	528	323	104	18	17	17	237
1945	Above Normal	-100	-156	-1,137	-1,198	-383	-334	-183	-59	-10	-689	-1,210	-247
1946	Above Normal	30	87	-834	230	241	210	115	37	6	6	-91	-316
1947	Dry	159	439	236	533	564	429	295	95	16	16	16	255
1948	Below Normal	-6	-7	-9	-13	-14	-12	-6	-2	0	0	0	-2
1949	Below Normal	-66	-127	-187	-298	-311	-280	-145	-47	-8	-8	-8	-52
1950	Below Normal	-59	-235	-168	-207	-281	-193	-131	-42	-1	-1,207	-1,207	-1,247
1951	Above Normal	194	396	497	703	674	580	352	113	20	19	19	-903
1952	Wet	194	-749	-40	-1,373	162	309	480	906	296	286	-426	806
1953	Below Normal	177	369	462	656	622	534	328	106	18	18	18	300
1954	Below Normal	9	11	5	-13	-14	-12	-6	-2	0	0	0	-2
1955	Dry	-58	-114	-167	-267	-279	-251	-130	-42	-7	-5	-5	-1,245
1956	Wet	-510	-1,810	-1,458	-1,255	-16	230	621	1,053	382	369	369	954
1957	Below Normal	194	397	498	702	736	642	351	113	19	19	19	167
1958	Wet	36	-284	-464	-609	158	142	86	33	9	8	8	37
1959	Dry	-181	458	462	600	633	492	327	106	18	18	18	264
1960	Critical	17	23	31	78	98	56	31	23	8	0	0	13
1961	Critical	-3	-2	-4	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	-67	-124	-184	-367	-286	-249	-136	-44	-8	-7	-7	-1,234
1963	Above Normal	-185	-334	-460	-1,152	-736	-642	-351	-113	-20	-19	-19	-161
1964	Dry	128	366	322	398	484	373	225	73	13	12	-1,188	-1,120
1965	Wet	-116	-245	-313	-463	-485	-423	-232	-75	-13	-12	-930	-249
1966	Below Normal	173	-135	-294	757	798	629	409	132	23	21	-379	-853
1967	Wet	-1,073	144	235	-1,348	-902	221	336	228	67	65	65	243
1968	Dry	390	900	1,013	1,399	1,470	1,231	722	233	40	39	30	58
1969	Wet	313	251	546	-125	-4	575	730	494	146	141	-883	438
1970	Above Normal	-30	-348	-125	443	1,058	987	871	1,050	361	350	350	1,008
1971	Below Normal	159	325	406	571	534	457	285	92	16	15	15	269
1972	Dry	-49	-99	-143	-226	-236	-212	-110	-35	-6	-6	-6	-39
1973	Above Normal	55	-949	212	-867	349	305	167	54	9	-9	-1,191	-412
1974	Wet	-1,029	-1,037	-1,014	-796	304	265	145	47	8	8	8	69
1975	Wet	-4	49	-1,002	-1,131	73	63	35	11	2	2	2	16
1976	Critical	141	488	652	389	78	701	324	-146	-103	51	51	88
1977	Critical	15	19	29	75	94	66	30	22	50	0	0	12
1978	Wet	204	240	383	-1,395	-812	231	503	341	101	97	-888	149
1979	Above Normal	-363	-454	-1,455	-411	954	898	830	1,055	367	355	43	708
1980	Wet	342	-729	-948	-1,493	-765	438	772	1,131	364	352	180	1,032
1981	Dry	182	371	465	656	627	538	328	106	18	18	18	-909
1982	Wet	-871	337	-626	-1,493	-248	435	770	-69	-836	352	157	795
1983	Wet	36	71	98	95	9	129	95	64	-462	18	18	69
1984	Above Normal	67	-353	-66	-123	399	802	1,117	1,290	440	426	426	1,249
1985	Dry	242	614	611	815	860	685	437	141	24	24	24	0
1986	Wet	254	-1,718	-1,517	-1,457	240	433	883	1,171	410	396	396	1,104
1987	Critical	206	512	522	691	793	649	369	119	20	20	20	127
1988	Critical	15	20	29	73	92	53	29	21	7	0	0	12
1989	Critical	-1	-2	-4	-4	-5	-3	-2	-1	0	0	0	-1
1990	Critical	-2	-2	-4	0	0	0	0	0	0	0	0	0
1991	Critical	-1	-2	-2	-1	-2	-1	-1	0	0	0	0	0
1992	Critical	-5	-6	-10	-17	-22	-13	-7	-5	-2	0	0	-536
1993	Wet	-1,220	-1,145	-1,046	-961	-135	-118	-65	-21	-4	-3	-3	-31
1994	Critical	88	156	212	300	314	283	146	47	8	8	-582	-1,148
1995	Wet	59	-1,130	95	-1,109	8	124	91	62	18	18	18	-226
1996	Wet	449	-347	-58	-204	489	893	1,185	1,336	454	220	32	1,300
1997	Wet	-35	-395	-6	204	836	955	1,178	1,278	431	417	417	879
1998	Wet	146	164	250	-73	-5	421	311	211	62	60	60	233
1999	Above Normal	372	-344	-118	473	1,102	1,027	900	1,074	369	357	357	998
2000	Above Normal	-2	57	-1,133	-467	133	116	63	20	4	3	3	30
2001	Dry	140	394	349	427	452	333	241	78	13	13	13	235
2002	Dry	-42	-83	-126	-200	-209	-188	-97	-31	-5	-5	-5	-35
2003	Below Normal	-57	-237	-161	-195	-270	-182	-125	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Friant-Kern Canal Diversions (Node D18A)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-43%	-58%	-46%	-32%	6%	14%	41%	176%	244%	355%	-56%	44%
1923	Above Normal	4%	4%	3%	3%	3%	3%	3%	3%	2%	3%	3%	3%
1924	Critical	72%	148%	145%	68%	42%	110%	91%	-4%	-32%	287%	287%	73%
1925	Below Normal	-11%	-11%	-12%	-13%	-13%	-13%	-13%	-11%	-7%	-11%	-11%	-13%
1926	Dry	-10%	-11%	-21%	-12%	-12%	-12%	-11%	-10%	-6%	-10%	-10%	-36%
1927	Above Normal	4%	8%	-31%	-23%	6%	6%	6%	6%	4%	6%	6%	6%
1928	Below Normal	-8%	-17%	-24%	-5%	-8%	-5%	-8%	-7%	-4%	-7%	-7%	-8%
1929	Critical	5%	5%	5%	5%	5%	5%	5%	5%	4%	0%	0%	5%
1930	Critical	-1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-	0%	0%	-1%
1932	Above Normal	-5%	-3%	-4%	-26%	-5%	-5%	-4%	-4%	-3%	-4%	-4%	-5%
1933	Dry	-10%	-11%	-11%	-12%	-12%	-12%	-11%	-10%	-6%	-10%	-10%	-11%
1934	Critical	2%	2%	2%	3%	3%	3%	3%	3%	2%	0%	0%	3%
1935	Above Normal	-6%	-2%	-3%	-31%	-3%	-2%	-2%	-2%	-1%	-2%	-2%	-4%
1936	Above Normal	-21%	12%	-29%	1%	12%	12%	11%	10%	7%	10%	10%	0%
1937	Wet	7%	20%	19%	-15%	19%	19%	19%	17%	11%	-83%	-92%	7%
1938	Wet	21%	47%	11%	-7%	0%	12%	34%	126%	130%	159%	2%	100%
1939	Dry	7%	-26%	55%	51%	52%	47%	53%	46%	25%	44%	38%	18%
1940	Above Normal	2%	6%	-34%	-14%	8%	8%	7%	7%	4%	6%	6%	9%
1941	Wet	-42%	-58%	-20%	-32%	-4%	5%	26%	112%	116%	143%	-64%	1%
1942	Wet	34%	-55%	-39%	-32%	5%	12%	49%	188%	259%	378%	296%	-4%
1943	Wet	-46%	-32%	-43%	-5%	25%	34%	56%	202%	262%	395%	395%	145%
1944	Below Normal	27%	27%	27%	27%	24%	23%	26%	23%	14%	22%	22%	61%
1945	Above Normal	-11%	-8%	-35%	-28%	-11%	-11%	-11%	-10%	-6%	-88%	-93%	-25%
1946	Above Normal	4%	5%	-28%	8%	8%	8%	8%	7%	4%	7%	-49%	-30%
1947	Dry	26%	39%	14%	24%	24%	20%	26%	23%	13%	22%	22%	65%
1948	Below Normal	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%
1949	Below Normal	-11%	-12%	-13%	-14%	-14%	-14%	-13%	-12%	-7%	-11%	-11%	-13%
1950	Below Normal	-9%	-18%	-10%	-9%	-11%	-9%	-11%	-10%	-1%	-95%	-95%	-76%
1951	Above Normal	29%	29%	29%	29%	26%	25%	28%	25%	15%	24%	24%	-55%
1952	Wet	28%	-43%	-2%	-31%	4%	9%	23%	106%	111%	136%	-46%	74%
1953	Below Normal	25%	26%	26%	26%	23%	22%	25%	22%	14%	22%	22%	64%
1954	Below Normal	1%	1%	0%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	-1%
1955	Dry	-10%	-10%	-11%	-12%	-12%	-12%	-12%	-10%	-6%	-8%	-8%	-78%
1956	Wet	-30%	-59%	-43%	-30%	0%	7%	33%	160%	230%	329%	329%	108%
1957	Below Normal	27%	27%	27%	27%	27%	27%	26%	23%	14%	23%	23%	26%
1958	Wet	4%	-18%	-19%	-14%	4%	4%	4%	4%	3%	4%	4%	4%
1959	Dry	-19%	42%	32%	28%	28%	24%	30%	26%	15%	25%	25%	70%
1960	Critical	5%	5%	5%	5%	5%	5%	5%	5%	4%	0%	0%	5%
1961	Critical	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	-8%	-7%	-8%	-11%	-9%	-9%	-8%	-8%	-5%	-7%	-7%	-64%
1963	Above Normal	-19%	-18%	-19%	-29%	-20%	-20%	-20%	-18%	-12%	-18%	-18%	-20%
1964	Dry	-23%	36%	23%	19%	22%	19%	21%	19%	10%	18%	-94%	-71%
1965	Wet	-12%	-12%	-13%	-13%	-13%	-13%	-13%	-12%	-8%	-12%	-91%	-25%
1966	Below Normal	25%	-7%	-12%	32%	32%	28%	34%	30%	18%	31%	-80%	-53%
1967	Wet	-44%	13%	15%	-32%	-20%	6%	13%	13%	12%	13%	13%	14%
1968	Dry	79%	100%	82%	78%	78%	72%	78%	67%	35%	64%	50%	18%
1969	Wet	49%	46%	45%	-4%	0%	17%	33%	32%	30%	33%	-61%	25%
1970	Above Normal	-3%	-23%	-7%	16%	37%	40%	62%	210%	260%	407%	407%	154%
1971	Below Normal	23%	23%	23%	23%	20%	19%	22%	20%	12%	19%	19%	60%
1972	Dry	-9%	-10%	-10%	-11%	-11%	-11%	-10%	-9%	-5%	-9%	-9%	-10%
1973	Above Normal	7%	-34%	11%	-21%	12%	11%	10%	6%	-8%	-92%	-92%	-35%
1974	Wet	-53%	-36%	-30%	-19%	9%	9%	9%	8%	5%	8%	8%	9%
1975	Wet	0%	3%	-31%	-26%	2%	2%	2%	2%	1%	2%	2%	2%
1976	Critical	33%	91%	86%	24%	4%	56%	45%	-27%	-46%	312%	312%	31%
1977	Critical	9%	9%	10%	12%	12%	14%	10%	9%	-	0%	0%	10%
1978	Wet	24%	21%	20%	-32%	-18%	6%	21%	21%	19%	19%	-61%	7%
1979	Above Normal	-24%	-28%	-45%	-11%	32%	34%	56%	199%	254%	390%	53%	188%
1980	Wet	38%	-33%	-29%	-33%	-17%	12%	35%	127%	132%	161%	46%	89%
1981	Dry	28%	28%	28%	25%	25%	24%	27%	24%	14%	23%	23%	-55%
1982	Wet	-38%	62%	-21%	-33%	-6%	12%	35%	-3%	-57%	234%	140%	140%
1983	Wet	40%	7%	7%	4%	0%	3%	3%	3%	-33%	4%	1%	3%
1984	Above Normal	5%	-20%	-3%	-4%	12%	28%	70%	228%	292%	439%	439%	166%
1985	Dry	39%	54%	39%	36%	36%	31%	37%	33%	19%	32%	32%	0%
1986	Wet	55%	-57%	-43%	-33%	7%	14%	51%	194%	261%	385%	385%	137%
1987	Critical	41%	57%	42%	38%	41%	37%	39%	34%	18%	32%	32%	39%
1988	Critical	4%	4%	4%	5%	5%	5%	4%	4%	4%	0%	0%	4%
1989	Critical	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	-68%
1993	Wet	-56%	-37%	-30%	-22%	-4%	-4%	-3%	-3%	-2%	-3%	-3%	-4%
1994	Critical	16%	15%	15%	15%	15%	14%	12%	7%	12%	-89%	-73%	-73%
1995	Wet	6%	-43%	5%	-27%	0%	3%	3%	3%	3%	3%	3%	-10%
1996	Wet	54%	-12%	-2%	-5%	15%	31%	74%	236%	301%	241%	35%	198%
1997	Wet	-2%	-21%	0%	7%	28%	37%	81%	247%	303%	468%	468%	225%
1998	Wet	16%	29%	16%	-3%	0%	12%	12%	12%	11%	12%	12%	12%
1999	Above Normal	49%	-23%	-6%	17%	39%	41%	64%	213%	264%	412%	412%	157%
2000	Above Normal	0%	4%	-35%	-14%	5%	4%	4%	4%	2%	4%	4%	4%
2001	Dry	24%	37%	23%	20%	20%	16%	22%	19%	11%	18%	18%	59%
2002	Dry	-8%	-8%	-9%	-10%	-10%	-10%	-9%	-8%	-5%	-8%	-8%	-9%
2003	Below Normal	-9%	-18%	-10%	-8%	-11%	-8%	-10%	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	513	972	1,250	1,226	1,064	400	48	5	0	10	5
1923	Above Normal	123	340	649	899	1,051	911	339	41	7	0	0	0
1924	Critical	0	0	130	363	444	308	45	0	0	0	0	0
1925	Below Normal	0	0	270	813	988	681	109	0	0	0	0	0
1926	Dry	0	0	284	750	912	629	100	0	0	0	0	6
1927	Above Normal	126	347	869	1,122	1,078	935	349	41	2	0	0	1
1928	Below Normal	0	0	351	866	1,052	725	117	0	0	0	0	0
1929	Critical	0	0	169	489	595	412	63	0	0	0	0	0
1930	Critical	0	0	166	480	585	405	61	0	0	0	0	0
1931	Critical	0	0	96	256	313	143	107	0	0	0	0	0
1932	Above Normal	133	366	706	1,140	1,144	993	372	47	16	0	0	0
1933	Dry	0	0	258	776	943	651	104	0	0	0	0	0
1934	Critical	0	0	145	412	502	349	52	0	0	0	0	0
1935	Above Normal	67	119	668	1,113	1,067	925	345	50	0	0	0	59
1936	Above Normal	62	340	908	918	1,011	877	326	34	6	0	0	99
1937	Wet	34	522	852	1,117	987	855	317	38	0	5	27	0
1938	Wet	0	235	1,144	1,250	1,250	1,221	462	35	26	0	3	26
1939	Dry	29	201	231	687	835	577	91	0	0	0	0	0
1940	Above Normal	83	303	824	1,178	1,250	933	145	0	0	0	0	140
1941	Wet	0	24	1,061	1,250	1,250	1,143	431	35	15	0	49	11
1942	Wet	78	576	917	1,231	1,213	1,053	395	48	5	0	146	31
1943	Wet	175	403	913	939	1,041	903	336	41	5	0	0	0
1944	Below Normal	0	0	293	886	1,076	742	119	0	0	0	0	190
1945	Above Normal	112	379	883	1,159	1,191	1,034	388	48	5	7	22	16
1946	Above Normal	117	314	759	799	935	810	300	36	0	0	1	31
1947	Dry	0	0	289	771	937	647	103	0	0	0	0	0
1948	Below Normal	0	0	212	629	765	529	83	0	0	0	0	0
1949	Below Normal	0	0	241	720	875	604	96	0	0	0	0	0
1950	Below Normal	0	0	281	848	1,029	710	114	0	0	217	78	65
1951	Above Normal	0	0	302	916	1,113	767	124	0	0	0	0	0
1952	Wet	3	282	1,071	1,250	1,250	1,195	451	67	10	0	7	15
1953	Below Normal	0	0	313	953	1,157	797	129	0	0	0	0	0
1954	Below Normal	0	0	266	801	972	671	107	0	0	0	0	0
1955	Dry	0	0	253	760	924	638	101	0	0	146	291	26
1956	Wet	237	593	939	1,215	1,250	1,172	442	59	16	0	0	0
1957	Below Normal	0	0	327	996	1,209	834	135	0	0	0	0	0
1958	Wet	68	7	1,078	1,250	1,250	1,184	447	66	21	0	0	0
1959	Dry	57	4	243	725	881	608	96	0	0	0	0	0
1960	Critical	0	0	159	458	558	387	58	0	0	0	0	0
1961	Critical	0	0	134	377	460	320	47	0	0	0	0	0
1962	Below Normal	94	354	682	957	1,100	954	356	44	7	0	0	49
1963	Above Normal	146	388	751	1,125	1,226	1,064	400	42	6	0	0	1
1964	Dry	0	0	234	700	850	587	93	0	0	0	41	76
1965	Wet	147	405	768	1,064	1,242	1,078	405	49	5	0	9	6
1966	Below Normal	0	81	428	835	1,015	700	112	0	0	0	4	49
1967	Wet	233	17	1,250	1,250	1,250	1,250	813	257	15	11	9	55
1968	Dry	0	0	209	617	750	518	81	0	0	0	147	0
1969	Wet	7	325	1,159	1,250	1,250	1,156	646	70	19	0	10	4
1970	Above Normal	38	0	341	1,042	1,250	884	144	0	0	0	0	0
1971	Below Normal	0	0	311	945	1,147	791	128	0	0	0	0	0
1972	Dry	0	0	234	698	849	586	93	0	0	0	0	0
1973	Above Normal	24	510	805	1,059	973	843	313	33	1	1	84	21
1974	Wet	226	516	850	1,073	1,043	904	337	41	5	0	0	0
1975	Wet	53	347	843	1,119	1,074	931	347	44	7	0	0	0
1976	Critical	0	0	181	528	643	445	68	0	0	0	0	0
1977	Critical	0	0	82	209	257	49	158	0	0	0	0	53
1978	Wet	5	10	1,250	1,250	1,250	1,250	735	171	10	0	10	2
1979	Above Normal	24	317	865	951	968	838	311	38	0	0	186	234
1980	Wet	40	718	1,074	1,250	1,250	1,213	458	59	21	0	1	31
1981	Dry	0	0	290	877	1,065	734	118	0	0	0	0	77
1982	Wet	10	140	1,174	1,250	1,250	1,250	542	241	92	232	249	11
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	239	79	37
1984	Above Normal	192	345	659	912	1,066	924	345	42	1	0	0	0
1985	Dry	0	0	269	805	978	675	108	0	0	0	0	252
1986	Wet	156	508	915	1,243	1,162	1,008	378	47	16	0	0	0
1987	Critical	0	0	211	622	757	523	82	0	0	0	0	0
1988	Critical	0	0	167	483	588	407	62	0	0	0	0	0
1989	Critical	0	0	175	508	619	428	65	0	0	0	0	0
1990	Critical	0	0	138	390	476	330	48	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	165	475	579	401	61	0	0	0	0	22
1993	Wet	68	542	961	1,250	1,250	1,164	439	60	5	0	0	0
1994	Critical	0	0	234	696	846	584	92	0	0	0	6	46
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,113	433	26	9	7	39
1996	Wet	148	519	910	1,124	1,068	926	345	38	2	148	715	135
1997	Wet	269	360	867	802	938	813	301	36	0	0	0	166
1998	Wet	0	96	1,250	1,250	1,250	1,250	928	204	54	42	34	56
1999	Above Normal	0	0	346	1,058	1,250	914	149	0	0	0	0	0
2000	Above Normal	23	317	806	901	938	813	301	7	9	4	3	3
2001	Dry	0	0	249	746	906	625	99	0	0	0	0	0
2002	Dry	0	0	232	690	839	579	91	0	0	0	0	0
2003	Below Normal	0	0	287	868	1,054	727	117	n/a	n/a	n/a	n/a	n/a

Simulated Madera Canal Diversions (Node D18B)

Alternative 5 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	516	1,081	1,250	1,250	1,250	1,250	285	58	45	36	48
1923	Above Normal	130	356	677	933	1,090	946	353	43	7	0	0	0
1924	Critical	0	0	216	643	782	540	85	0	0	0	0	0
1925	Below Normal	0	0	231	682	829	573	90	0	0	0	0	0
1926	Dry	0	0	224	657	798	552	87	0	0	0	0	0
1927	Above Normal	130	383	725	997	1,165	1,011	379	44	6	0	0	0
1928	Below Normal	0	0	259	769	935	645	103	0	0	0	0	0
1929	Critical	0	0	177	514	626	433	66	0	0	0	0	0
1930	Critical	0	0	165	479	583	404	61	0	0	0	0	0
1931	Critical	0	0	95	254	311	217	29	0	0	0	0	0
1932	Above Normal	127	352	669	921	1,076	934	348	42	7	0	0	0
1933	Dry	0	0	227	671	816	563	89	0	0	0	0	0
1934	Critical	0	0	148	425	518	359	54	0	0	0	0	0
1935	Above Normal	65	117	642	882	1,031	894	333	48	0	0	0	0
1936	Above Normal	31	390	739	1,016	1,186	1,030	386	41	18	1	1	0
1937	Wet	10	404	776	1,081	1,250	1,103	415	55	8	0	0	0
1938	Wet	0	235	1,250	1,250	1,250	1,250	1,180	164	82	57	46	89
1939	Dry	123	338	645	890	1,041	902	336	41	7	0	0	0
1940	Above Normal	85	328	626	860	1,006	872	324	40	0	0	0	0
1941	Wet	0	24	1,218	1,250	1,250	1,250	1,250	148	71	68	68	76
1942	Wet	180	621	1,092	1,250	1,250	1,250	1,250	340	71	67	54	88
1943	Wet	160	590	991	1,250	1,250	1,250	1,009	263	13	0	0	0
1944	Below Normal	123	337	643	887	1,036	899	334	40	1	0	0	0
1945	Above Normal	100	337	642	883	1,032	894	333	41	1	0	0	0
1946	Above Normal	123	337	643	884	1,034	896	334	40	1	0	0	0
1947	Dry	108	297	569	1,078	1,250	959	147	0	0	0	0	0
1948	Below Normal	0	0	211	625	760	525	82	0	0	0	0	0
1949	Below Normal	0	0	212	621	755	522	82	0	0	0	0	0
1950	Below Normal	0	0	242	718	872	602	95	0	0	0	0	0
1951	Above Normal	129	353	673	930	1,086	942	352	43	1	0	0	0
1952	Wet	3	282	1,127	1,250	1,250	1,250	1,207	401	71	68	68	83
1953	Below Normal	129	356	678	938	1,096	951	355	43	1	0	0	0
1954	Below Normal	0	0	267	794	964	665	106	0	0	0	0	0
1955	Dry	0	0	225	661	803	555	87	0	0	0	0	0
1956	Wet	188	600	1,019	1,250	1,250	1,250	1,089	275	43	22	18	66
1957	Below Normal	137	376	714	986	1,152	1,000	374	47	5	0	0	0
1958	Wet	32	7	943	1,250	1,250	1,250	786	220	21	0	0	0
1959	Dry	0	0	349	1,062	1,250	922	150	0	0	0	0	0
1960	Critical	0	0	166	482	587	406	62	0	0	0	0	0
1961	Critical	0	0	133	377	460	319	47	0	0	0	0	0
1962	Below Normal	86	320	610	839	981	850	316	39	0	0	0	0
1963	Above Normal	109	299	574	790	924	800	296	35	0	0	0	1
1964	Dry	0	0	304	918	1,115	769	124	0	0	0	0	0
1965	Wet	124	340	648	892	1,043	904	337	41	1	0	0	0
1966	Below Normal	127	349	663	914	1,068	926	345	42	1	0	0	0
1967	Wet	169	17	1,250	1,250	1,250	1,250	1,250	433	71	68	68	105
1968	Dry	131	361	686	949	1,108	962	359	43	1	0	0	0
1969	Wet	7	325	1,250	1,250	1,250	1,250	1,180	155	71	61	49	59
1970	Above Normal	141	546	909	1,191	1,250	1,250	700	133	10	0	0	0
1971	Below Normal	125	342	652	901	1,052	913	340	41	1	0	0	0
1972	Dry	0	0	212	623	758	524	82	0	0	0	0	0
1973	Above Normal	27	374	709	978	1,142	991	372	41	7	1	1	1
1974	Wet	127	382	723	1,002	1,171	1,016	381	47	8	0	0	0
1975	Wet	53	360	686	944	1,103	957	358	46	7	0	0	0
1976	Critical	0	0	235	696	846	584	92	0	0	0	0	0
1977	Critical	0	0	88	232	284	199	26	0	0	0	0	0
1978	Wet	0	10	1,250	1,250	1,250	1,250	856	439	71	68	68	76
1979	Above Normal	110	539	937	1,235	1,250	1,250	798	160	10	0	0	0
1980	Wet	40	766	1,250	1,250	1,250	1,250	1,250	395	82	68	68	99
1981	Dry	122	336	640	883	1,032	895	333	40	1	0	0	0
1982	Wet	47	65	1,250	1,250	1,250	1,250	886	185	71	272	238	0
1983	Wet	0	45	1,250	1,250	1,250	1,250	1,013	203	100	238	77	36
1984	Above Normal	218	678	1,122	1,250	1,250	1,250	1,250	205	71	68	68	92
1985	Dry	127	349	663	913	1,067	926	345	42	1	0	0	0
1986	Wet	49	540	1,098	1,250	1,250	1,250	1,121	434	82	68	68	85
1987	Critical	0	0	314	949	1,153	795	128	0	0	0	0	0
1988	Critical	0	0	173	505	615	426	65	0	0	0	0	0
1989	Critical	0	0	174	507	617	427	65	0	0	0	0	0
1990	Critical	0	0	137	390	476	330	49	0	0	0	0	0
1991	Critical	0	0	187	549	668	462	71	0	0	0	0	0
1992	Critical	0	0	163	470	572	397	60	0	0	0	0	0
1993	Wet	30	415	782	1,075	1,250	1,093	411	54	5	0	0	0
1994	Critical	0	0	277	831	1,009	696	112	0	0	0	0	0
1995	Wet	0	334	1,250	1,250	1,250	1,250	1,190	434	29	11	9	23
1996	Wet	139	601	1,250	1,250	1,250	1,250	1,250	128	71	68	342	49
1997	Wet	272	679	1,250	1,250	1,250	1,250	1,242	414	54	42	34	0
1998	Wet	0	96	1,250	1,250	1,250	1,250	1,154	204	71	56	45	66
1999	Above Normal	179	555	922	1,212	1,250	1,250	747	143	10	0	0	0
2000	Above Normal	94	326	621	854	999	866	322	8	10	4	4	3
2001	Dry	0	0	330	996	1,209	833	135	0	0	0	0	0
2002	Dry	0	0	213	623	758	524	82	0	0	0	0	0
2003	Below Normal	0	0	250	738	897	619	98	n/a	n/a	n/a	n/a	n/a

Change in Simulated Madera Canal Diversions (Node D18B)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	4	108	0	24	186	850	236	54	45	26	43
1923	Above Normal	7	17	28	34	40	35	14	2	0	0	0	0
1924	Critical	0	0	86	279	338	232	40	0	0	0	0	0
1925	Below Normal	0	0	-38	-131	-159	-109	-19	0	0	0	0	0
1926	Dry	0	0	-61	-94	-113	-78	-13	0	0	0	0	-6
1927	Above Normal	4	35	-144	-125	87	76	30	3	4	0	0	-1
1928	Below Normal	0	0	-92	-97	-117	-80	-14	0	0	0	0	0
1929	Critical	0	0	8	25	31	21	4	0	0	0	0	0
1930	Critical	0	0	-1	-2	-2	-1	0	0	0	0	0	0
1931	Critical	0	0	-1	-2	-2	74	-78	0	0	0	0	0
1932	Above Normal	-6	-14	-36	-219	-68	-59	-23	-5	-9	0	0	0
1933	Dry	0	0	-31	-105	-127	-87	-15	0	0	0	0	0
1934	Critical	0	0	3	13	16	11	2	0	0	0	0	0
1935	Above Normal	-2	-2	-26	-231	-36	-31	-12	-2	0	0	0	-59
1936	Above Normal	-31	51	-169	98	175	153	60	7	12	1	1	-99
1937	Wet	-24	-118	-75	-37	263	248	98	17	8	-5	-27	0
1938	Wet	0	0	106	0	0	29	718	129	56	57	43	63
1939	Dry	93	138	414	203	205	325	245	41	7	0	0	0
1940	Above Normal	2	26	-198	-317	-244	-62	179	40	0	0	0	-140
1941	Wet	0	0	156	0	0	107	819	113	56	68	19	65
1942	Wet	101	45	175	19	37	197	855	293	66	19	-93	57
1943	Wet	-14	187	78	311	209	347	673	222	8	0	0	0
1944	Below Normal	123	337	351	0	-40	156	215	40	1	0	0	-190
1945	Above Normal	-12	-42	-241	-276	-159	-139	-55	-7	-3	-7	-22	-16
1946	Above Normal	6	23	-117	85	99	86	34	4	1	0	-1	-31
1947	Dry	108	297	280	306	313	312	44	0	0	0	0	0
1948	Below Normal	0	0	-1	-4	-5	-4	-1	0	0	0	0	0
1949	Below Normal	0	0	-28	-99	-120	-82	-14	0	0	0	0	0
1950	Below Normal	0	0	-38	-130	-157	-108	-19	0	0	-217	-78	-65
1951	Above Normal	129	353	371	13	-27	175	228	43	1	0	0	0
1952	Wet	0	0	56	0	0	55	756	334	61	68	61	68
1953	Below Normal	129	356	365	-15	-61	153	226	43	1	-15	0	0
1954	Below Normal	0	0	1	-7	-8	-6	-1	0	0	0	0	0
1955	Dry	0	0	-29	-100	-121	-83	-14	0	0	-146	-291	-26
1956	Wet	-49	7	79	35	0	78	647	216	26	22	18	66
1957	Below Normal	137	376	388	-10	-58	166	239	47	5	0	0	0
1958	Wet	-36	0	-135	0	0	66	340	153	0	0	0	0
1959	Dry	-57	-4	106	337	369	313	54	0	0	0	0	0
1960	Critical	0	0	7	24	29	20	3	0	0	0	0	0
1961	Critical	0	0	-1	0	0	0	0	0	0	0	0	0
1962	Below Normal	-8	-34	-71	-118	-119	-104	-41	-5	-7	0	0	-49
1963	Above Normal	-37	-89	-177	-335	-302	-264	-104	-8	-6	0	0	0
1964	Dry	0	0	70	219	265	181	31	0	0	0	-41	-76
1965	Wet	-23	-65	-120	-171	-199	-174	-69	-8	-3	0	-9	-6
1966	Below Normal	127	268	234	79	53	226	233	42	1	0	-4	-49
1967	Wet	-64	0	0	0	0	0	437	176	56	57	59	50
1968	Dry	131	361	477	332	358	443	278	43	1	0	-147	0
1969	Wet	0	0	91	0	0	94	534	84	51	61	39	55
1970	Above Normal	104	546	568	148	0	366	556	133	10	0	0	0
1971	Below Normal	125	342	342	-44	-95	122	212	41	1	0	0	0
1972	Dry	0	0	-22	-75	-91	-62	-11	0	0	0	0	0
1973	Above Normal	2	-136	-96	-81	169	148	59	8	6	0	-83	-20
1974	Wet	-99	-134	-127	-71	128	112	44	7	3	0	0	0
1975	Wet	0	13	-157	-174	30	26	10	1	0	0	0	0
1976	Critical	0	0	53	168	203	139	24	0	0	0	0	0
1977	Critical	0	0	6	23	28	150	-133	0	0	0	0	-53
1978	Wet	-5	0	0	0	0	0	121	268	61	68	58	73
1979	Above Normal	86	222	72	284	282	412	487	123	10	0	-186	-234
1980	Wet	0	48	176	0	0	37	792	336	61	68	67	68
1981	Dry	122	336	350	7	-32	161	215	40	1	0	0	-77
1982	Wet	37	-75	76	0	0	0	344	-57	-21	40	-11	-11
1983	Wet	0	0	0	0	0	0	0	0	0	-2	-2	-2
1984	Above Normal	26	333	464	338	184	326	905	163	69	68	68	92
1985	Dry	127	349	393	108	89	251	237	42	1	0	0	-252
1986	Wet	-108	32	183	7	88	242	743	387	66	68	68	85
1987	Critical	0	0	103	327	396	272	47	0	0	0	0	0
1988	Critical	0	0	6	23	27	19	3	0	0	0	0	0
1989	Critical	0	0	-1	-1	-2	-1	0	0	0	0	0	0
1990	Critical	0	0	-1	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	-1	0	0	0	0	0	0	0
1992	Critical	0	0	-2	-5	-6	-4	-1	0	0	0	0	-22
1993	Wet	-39	-127	-179	-175	0	-71	-28	-7	0	0	0	0
1994	Critical	0	0	44	135	163	112	19	0	0	0	-6	-46
1995	Wet	0	0	0	0	0	0	77	0	3	2	2	-16
1996	Wet	-9	82	340	126	182	324	905	90	68	-80	-372	-86
1997	Wet	3	318	383	448	312	437	941	378	54	42	34	-166
1998	Wet	0	0	0	0	0	0	226	0	16	14	11	10
1999	Above Normal	179	555	576	154	0	336	598	143	10	0	0	0
2000	Above Normal	71	9	-185	-47	60	53	21	1	1	0	0	0
2001	Dry	0	0	81	250	303	208	36	0	0	0	0	0
2002	Dry	0	0	-19	-66	-80	-55	-9	0	0	0	0	0
2003	Below Normal	0	0	-37	-130	-157	-108	-19	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Madera Canal Diversions (Node D18B)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-	1%	11%	0%	2%	17%	213%	489%	1107%	-	253%	890%
1923	Above Normal	5%	5%	4%	4%	4%	4%	4%	4%	0%	-	-	-
1924	Critical	-	-	66%	77%	76%	75%	89%	-	-	-	-	-
1925	Below Normal	-	-	-14%	-16%	-16%	-16%	-17%	-	-	-	-	-
1926	Dry	-	-	-21%	-12%	-12%	-12%	-13%	-	-	-	-	-100%
1927	Above Normal	3%	10%	-17%	-11%	8%	8%	9%	7%	214%	-76%	-76%	-76%
1928	Below Normal	-	-	-26%	-11%	-11%	-11%	-12%	-	-	-	-	-
1929	Critical	-	-	5%	5%	5%	5%	6%	-	-	-	-	-
1930	Critical	-	-	-1%	0%	0%	0%	0%	-	-	-	-	-
1931	Critical	-	-	-1%	-1%	-1%	52%	-73%	-	-	-	-	-
1932	Above Normal	-5%	-4%	-5%	-19%	-6%	-6%	-10%	-55%	-	-	-	-
1933	Dry	-	-	-12%	-14%	-14%	-13%	-15%	-	-	-	-	-
1934	Critical	-	-	2%	3%	3%	3%	4%	-	-	-	-	-
1935	Above Normal	-3%	-2%	-4%	-21%	-3%	-3%	-4%	-4%	-	-	-	-100%
1936	Above Normal	-49%	15%	-19%	11%	17%	17%	19%	21%	206%	-	-	-100%
1937	Wet	-70%	-23%	-9%	-3%	27%	29%	31%	44%	-	-100%	-100%	-
1938	Wet	-	0%	9%	0%	0%	2%	156%	366%	217%	-	1360%	246%
1939	Dry	316%	69%	179%	30%	25%	56%	269%	-	-	-	-	-
1940	Above Normal	2%	8%	-24%	-27%	-13%	-7%	123%	-	-	-	-	-100%
1941	Wet	-	0%	15%	0%	0%	9%	190%	322%	386%	-	39%	584%
1942	Wet	129%	8%	19%	2%	3%	19%	216%	612%	1358%	-	-63%	181%
1943	Wet	-8%	47%	9%	33%	20%	38%	200%	547%	168%	-	-	-
1944	Below Normal	-	-	120%	0%	-4%	21%	180%	-	-	-	-	-100%
1945	Above Normal	-11%	-11%	-27%	-24%	-13%	-13%	-14%	-15%	-70%	-100%	-100%	-100%
1946	Above Normal	5%	7%	-15%	11%	11%	11%	11%	11%	-	-	-100%	-100%
1947	Dry	-	-	97%	40%	33%	48%	42%	-	-	-	-	-
1948	Below Normal	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-
1949	Below Normal	-	-	-12%	-14%	-14%	-14%	-15%	-	-	-	-	-
1950	Below Normal	-	-	-14%	-15%	-15%	-15%	-16%	-	-	-100%	-100%	-100%
1951	Above Normal	-	-	123%	1%	-2%	23%	184%	-	-	-	-	-
1952	Wet	0%	0%	5%	0%	0%	5%	168%	496%	629%	-	863%	462%
1953	Below Normal	-	-	116%	-2%	-5%	19%	175%	-	-	-	-	-
1954	Below Normal	-	-	0%	-1%	-1%	-1%	-1%	-	-	-	-	-
1955	Dry	-	-	-11%	-13%	-13%	-13%	-14%	-	-	-100%	-100%	-100%
1956	Wet	-21%	1%	8%	3%	0%	7%	146%	369%	164%	-	-	-
1957	Below Normal	-	-	119%	-1%	-5%	20%	177%	-	-	-	-	-
1958	Wet	-53%	0%	-12%	0%	0%	6%	76%	231%	0%	-	-	-
1959	Dry	-100%	-100%	44%	47%	42%	52%	56%	-	-	-	-	-
1960	Critical	-	-	4%	5%	5%	5%	6%	-	-	-	-	-
1961	Critical	-	-	-1%	0%	0%	0%	0%	-	-	-	-	-
1962	Below Normal	-8%	-9%	-10%	-12%	-11%	-11%	-11%	-12%	-100%	-	-	-100%
1963	Above Normal	-25%	-23%	-24%	-30%	-25%	-25%	-18%	-97%	-47%	-47%	-47%	-47%
1964	Dry	-	-	30%	31%	31%	31%	34%	-	-	-	-100%	-100%
1965	Wet	-16%	-16%	-16%	-16%	-16%	-16%	-17%	-17%	-70%	-	-100%	-100%
1966	Below Normal	-	330%	55%	9%	5%	32%	208%	-	-	-	-100%	-100%
1967	Wet	-27%	0%	0%	0%	0%	0%	54%	69%	386%	508%	660%	92%
1968	Dry	-	-	229%	54%	48%	85%	344%	-	-	-	-100%	-
1969	Wet	0%	0%	8%	0%	0%	8%	83%	120%	265%	-	367%	1248%
1970	Above Normal	274%	-	166%	14%	0%	41%	387%	-	-	-	-	-
1971	Below Normal	-	-	110%	-5%	-8%	15%	166%	-	-	-	-	-
1972	Dry	-	-	-9%	-11%	-11%	-11%	-12%	-	-	-	-	-
1973	Above Normal	9%	-27%	-12%	-8%	17%	18%	19%	24%	558%	3%	-99%	-97%
1974	Wet	-44%	-26%	-15%	-7%	12%	12%	13%	16%	69%	-	-	-
1975	Wet	0%	4%	-19%	-16%	3%	3%	3%	3%	0%	-	-	-
1976	Critical	-	-	29%	32%	31%	31%	35%	-	-	-	-	-
1977	Critical	-	-	8%	11%	11%	308%	-84%	-	-	-	-	-100%
1978	Wet	-100%	0%	0%	0%	0%	0%	16%	157%	629%	-	569%	3092%
1979	Above Normal	358%	70%	8%	30%	29%	49%	157%	326%	-	-	-100%	-100%
1980	Wet	0%	7%	16%	0%	0%	3%	173%	574%	291%	-	5317%	223%
1981	Dry	-	-	121%	1%	-3%	22%	182%	-	-	-	-	-100%
1982	Wet	372%	-53%	6%	0%	0%	0%	63%	-23%	-23%	17%	-4%	-100%
1983	Wet	-	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-4%
1984	Above Normal	14%	96%	70%	37%	17%	35%	263%	391%	4761%	-	-	-
1985	Dry	-	-	146%	13%	9%	37%	220%	-	-	-	-	-100%
1986	Wet	-69%	6%	20%	1%	8%	24%	197%	826%	408%	-	-	-
1987	Critical	-	-	49%	53%	52%	52%	57%	-	-	-	-	-
1988	Critical	-	-	4%	5%	5%	5%	5%	-	-	-	-	-
1989	Critical	-	-	-1%	0%	0%	0%	0%	-	-	-	-	-
1990	Critical	-	-	-1%	0%	0%	0%	0%	-	-	-	-	-
1991	Critical	-	-	0%	0%	0%	0%	0%	-	-	-	-	-
1992	Critical	-	-	-1%	-1%	-1%	-1%	-1%	-	-	-	-	-100%
1993	Wet	-57%	-23%	-19%	-14%	0%	-6%	-6%	-11%	0%	-	-	-
1994	Critical	-	-	19%	19%	19%	19%	21%	-	-	-	-100%	-100%
1995	Wet	-	0%	0%	0%	0%	0%	7%	0%	12%	27%	27%	-41%
1996	Wet	-6%	16%	37%	11%	17%	35%	262%	233%	3175%	-54%	-52%	-64%
1997	Wet	1%	88%	44%	56%	33%	54%	313%	1039%	-	-	-	-100%
1998	Wet	-	0%	0%	0%	0%	0%	24%	0%	30%	34%	34%	18%
1999	Above Normal	-	-	166%	15%	0%	37%	401%	-	-	-	-	-
2000	Above Normal	305%	3%	-23%	-5%	6%	6%	7%	9%	6%	10%	10%	10%
2001	Dry	-	-	32%	34%	33%	33%	36%	-	-	-	-	-
2002	Dry	-	-	-8%	-10%	-10%	-10%	-10%	-	-	-	-	-
2003	Below Normal	-	-	-13%	-15%	-15%	-15%	-16%	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	22	43	60	138	189	174	98	36	6	5	5	29
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	15	18	33	79	102	61	27	18	6	0	0	9
1925	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1926	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1927	Above Normal	26	47	80	151	191	163	79	27	5	5	5	20
1928	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1929	Critical	21	25	47	111	143	86	38	25	8	0	0	13
1930	Critical	21	25	46	109	140	84	37	25	8	0	0	12
1931	Critical	10	12	22	52	67	36	22	12	0	0	0	6
1932	Above Normal	26	43	64	146	187	170	95	34	6	5	5	20
1933	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1934	Critical	18	21	38	91	118	71	31	21	7	0	0	10
1935	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	28	47	80	157	188	158	73	24	4	4	4	20
1937	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1938	Wet	17	28	56	129	191	177	100	38	12	6	6	30
1939	Dry	33	59	92	151	169	142	60	18	3	3	3	18
1940	Above Normal	31	52	86	158	188	152	71	21	4	4	3	20
1941	Wet	22	37	60	129	191	177	100	38	11	6	6	30
1942	Wet	22	43	64	138	189	174	98	36	6	5	5	29
1943	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1944	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1945	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1946	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1947	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1948	Below Normal	28	50	84	138	155	130	55	17	3	3	3	17
1949	Below Normal	32	58	97	160	179	151	64	19	3	3	3	19
1950	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1951	Above Normal	37	62	98	158	182	149	65	20	3	3	3	20
1952	Wet	20	37	56	129	191	177	100	40	11	6	6	30
1953	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1956	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1957	Below Normal	33	56	90	158	188	152	71	21	4	4	3	20
1958	Wet	22	37	60	129	191	177	100	40	12	6	6	30
1959	Dry	33	59	98	161	180	152	64	20	3	3	3	20
1960	Critical	20	24	43	103	133	80	35	24	8	0	0	12
1961	Critical	16	19	35	83	106	64	28	19	6	0	0	9
1962	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1963	Above Normal	22	43	60	138	189	174	98	36	6	5	5	29
1964	Dry	31	57	94	155	174	146	62	19	3	3	3	19
1965	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1966	Below Normal	37	62	98	162	182	153	65	20	3	3	3	20
1967	Wet	11	19	43	101	185	188	122	64	15	7	7	34
1968	Dry	27	49	82	135	152	128	54	16	3	3	3	16
1969	Wet	17	28	52	115	193	181	104	50	13	7	7	30
1970	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
1971	Below Normal	37	62	98	158	182	149	65	20	3	3	3	20
1972	Dry	31	56	94	155	174	146	62	19	3	3	3	19
1973	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1974	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	23	28	51	121	156	94	41	28	9	0	0	14
1977	Critical	8	9	17	40	52	22	22	9	0	0	0	5
1978	Wet	11	24	47	114	194	184	106	57	14	7	7	30
1979	Above Normal	28	52	86	157	188	158	73	24	4	4	4	20
1980	Wet	17	28	56	129	191	177	100	40	12	6	6	30
1981	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1982	Wet	17	28	52	129	191	177	100	40	11	6	6	30
1983	Wet	3	9	35	101	183	197	130	69	23	8	8	34
1984	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1985	Dry	33	59	98	162	182	153	65	20	3	3	3	20
1986	Wet	26	43	64	146	187	170	95	34	6	5	5	20
1987	Critical	28	50	83	136	153	129	55	17	3	3	3	17
1988	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1989	Critical	22	27	49	116	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	163	98	43	29	10	0	0	14
1992	Critical	21	25	45	107	138	83	36	25	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	31	56	94	154	173	145	62	19	3	3	3	19
1995	Wet	3	9	30	101	183	197	130	78	20	7	7	34
1996	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1997	Wet	28	52	86	157	188	158	73	24	4	4	4	20
1998	Wet	9	14	39	101	179	191	124	64	19	9	9	35
1999	Above Normal	33	56	90	158	188	152	71	21	4	4	3	20
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	59	98	162	182	153	65	20	3	3	3	20
2002	Dry	31	56	93	153	171	144	61	19	3	3	3	19
2003	Below Normal	37	62	98	158	182	149	65	n/a	n/a	n/a	n/a	n/a

Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)

Alternative 5 (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	11	19	43	101	185	188	122	64	18	7	7	33
1923	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1924	Critical	28	51	85	141	159	133	57	17	3	3	3	17
1925	Below Normal	31	56	93	151	169	142	60	18	3	3	3	18
1926	Dry	30	54	89	145	162	137	58	18	3	3	3	18
1927	Above Normal	26	43	64	146	187	170	95	34	5	5	5	20
1928	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1929	Critical	22	27	49	117	151	91	40	27	9	0	0	13
1930	Critical	21	25	45	108	140	84	37	25	8	0	0	12
1931	Critical	10	12	21	51	66	40	17	12	4	0	0	6
1932	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1933	Dry	31	55	91	148	166	140	59	18	3	3	3	18
1934	Critical	18	22	39	95	122	73	32	22	7	0	0	11
1935	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1936	Above Normal	26	43	64	146	187	170	95	33	6	5	5	20
1937	Wet	26	43	60	138	189	174	98	36	6	5	5	29
1938	Wet	3	5	30	101	183	197	130	66	23	10	9	37
1939	Dry	28	47	80	151	191	163	79	27	5	5	5	20
1940	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1941	Wet	9	14	39	101	179	191	124	61	20	11	11	36
1942	Wet	9	14	39	101	179	191	124	73	20	7	7	36
1943	Wet	14	24	47	114	194	184	106	57	14	7	7	30
1944	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1945	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1946	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1947	Dry	31	52	86	158	188	152	71	21	4	4	3	20
1948	Below Normal	28	50	83	137	154	129	55	17	3	3	3	17
1949	Below Normal	28	51	84	136	153	129	55	17	3	3	3	17
1950	Below Normal	33	59	98	159	179	150	64	19	3	3	3	19
1951	Above Normal	28	47	80	151	191	163	79	27	5	5	5	20
1952	Wet	11	19	43	101	185	188	122	64	19	7	7	35
1953	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1954	Below Normal	33	59	98	162	182	153	65	20	3	3	3	20
1955	Dry	30	54	90	146	164	137	58	18	3	3	3	18
1956	Wet	11	19	43	101	185	188	122	64	17	8	7	35
1957	Below Normal	26	43	64	146	187	170	95	34	5	5	5	20
1958	Wet	20	33	56	129	191	177	100	40	12	6	6	30
1959	Dry	33	56	90	158	188	152	71	21	4	4	3	20
1960	Critical	21	25	46	109	141	85	37	25	8	0	0	13
1961	Critical	16	19	34	83	106	64	28	19	6	0	0	9
1962	Below Normal	31	52	86	157	188	158	73	24	4	4	4	20
1963	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
1964	Dry	37	62	98	158	182	149	65	20	3	3	3	20
1965	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1966	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1967	Wet	6	9	35	101	183	197	130	78	23	7	7	36
1968	Dry	28	47	80	151	191	163	79	27	5	5	5	20
1969	Wet	3	5	30	101	183	197	130	66	23	10	10	35
1970	Above Normal	17	28	52	115	193	181	104	52	12	7	7	30
1971	Below Normal	28	47	80	151	191	163	79	27	5	5	5	20
1972	Dry	28	51	84	137	154	129	55	17	3	3	3	17
1973	Above Normal	26	43	64	146	187	170	95	33	5	5	5	20
1974	Wet	26	43	64	146	187	170	95	34	5	5	5	20
1975	Wet	28	47	80	151	191	163	79	27	5	5	5	20
1976	Critical	32	57	94	154	173	145	62	19	3	3	3	19
1977	Critical	9	10	19	46	59	36	16	11	0	0	0	5
1978	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1979	Above Normal	17	28	52	115	193	181	104	52	12	7	7	30
1980	Wet	3	5	30	101	183	197	130	78	23	7	7	36
1981	Dry	28	47	80	151	191	163	79	27	5	5	5	20
1982	Wet	3	5	30	101	183	197	130	68	23	11	7	32
1983	Wet	3	5	30	101	183	197	130	69	23	8	8	34
1984	Above Normal	6	9	35	100	181	194	128	67	21	11	11	37
1985	Dry	28	47	80	151	191	163	79	27	5	5	5	20
1986	Wet	11	14	39	101	179	191	124	73	20	7	7	36
1987	Critical	33	62	98	158	182	149	65	20	3	3	3	20
1988	Critical	22	26	48	115	148	89	39	26	9	0	0	13
1989	Critical	22	26	48	115	149	90	39	27	9	0	0	13
1990	Critical	16	20	36	86	111	67	29	20	7	0	0	10
1991	Critical	24	29	53	126	162	98	43	29	10	0	0	14
1992	Critical	20	24	44	106	137	82	36	24	8	0	0	12
1993	Wet	22	37	60	138	189	174	98	36	6	5	5	29
1994	Critical	37	59	98	162	182	153	65	20	3	3	3	20
1995	Wet	3	5	30	101	183	197	130	78	20	7	7	33
1996	Wet	6	9	35	100	181	194	128	62	21	11	7	32
1997	Wet	9	14	39	101	179	191	124	73	19	8	7	31
1998	Wet	3	5	30	101	183	197	130	69	23	10	9	36
1999	Above Normal	17	28	52	115	193	181	104	52	12	7	7	30
2000	Above Normal	31	52	86	157	188	158	73	24	4	4	4	20
2001	Dry	33	56	90	158	188	152	71	21	4	4	3	20
2002	Dry	28	51	84	137	154	129	55	17	3	3	3	17
2003	Below Normal	33	59	98	162	182	153	65	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
 Alternative 5 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-11	-24	-16	-37	-4	14	24	28	12	2	1	5
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	13	33	52	62	57	72	30	-1	-3	3	3	8
1925	Below Normal	-1	-3	-6	-11	-12	-10	-4	-1	0	0	0	-1
1926	Dry	-2	-5	-9	-17	-19	-16	-7	-2	0	0	0	-2
1927	Above Normal	0	-5	-16	-4	-4	8	16	7	0	0	0	0
1928	Below Normal	-4	-3	1	3	0	3	0	0	0	0	0	0
1929	Critical	1	1	3	6	8	5	2	1	0	0	0	1
1930	Critical	0	0	0	0	-1	0	0	0	0	0	0	0
1931	Critical	0	0	0	-1	-1	4	-5	0	4	0	0	0
1932	Above Normal	3	5	16	4	4	-8	-7	-1	-1	0	0	0
1933	Dry	-2	-4	-8	-14	-15	-13	-5	-2	0	0	0	-2
1934	Critical	0	1	1	3	4	3	1	1	0	0	0	0
1935	Above Normal	3	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	-3	-5	-16	-10	-1	12	22	10	2	1	1	0
1937	Wet	-3	-9	-26	-19	1	16	24	13	2	1	1	9
1938	Wet	-14	-24	-26	-28	-8	20	30	28	11	4	3	8
1939	Dry	-5	-12	-11	0	22	21	19	8	2	2	2	1
1940	Above Normal	0	0	0	-1	0	6	3	3	0	0	1	0
1941	Wet	-14	-23	-21	-28	-12	14	24	23	9	5	5	6
1942	Wet	-14	-28	-26	-37	-10	17	27	36	14	2	1	7
1943	Wet	-14	-24	-33	-36	3	21	27	31	9	2	2	10
1944	Below Normal	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1945	Above Normal	3	5	16	4	4	-8	-7	0	0	0	0	0
1946	Above Normal	-3	-5	-5	-6	3	5	6	3	1	1	1	0
1947	Dry	-2	-7	-12	-3	7	-1	6	1	1	1	0	0
1948	Below Normal	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1949	Below Normal	-4	-8	-13	-24	-27	-22	-9	-3	0	0	0	-3
1950	Below Normal	-4	-3	0	1	-3	0	-1	0	0	0	0	0
1951	Above Normal	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1952	Wet	-9	-18	-12	-28	-6	10	21	25	8	1	1	6
1953	Below Normal	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	-3	-5	-9	-16	-18	-15	-6	-2	0	0	0	-2
1956	Wet	-11	-18	-16	-37	-4	14	24	28	11	3	2	6
1957	Below Normal	-7	-14	-25	-12	-1	18	24	13	1	1	1	0
1958	Wet	-3	-5	-4	0	0	-4	0	0	0	0	0	0
1959	Dry	0	-2	-8	-2	8	0	6	1	1	1	0	0
1960	Critical	1	1	2	6	8	5	2	1	0	0	0	1
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	3	5	5	6	-3	-5	-6	-3	-1	-1	-1	0
1963	Above Normal	9	9	26	19	-1	-16	-24	-12	-2	-1	-1	-9
1964	Dry	5	6	3	4	8	3	3	1	0	0	0	1
1965	Wet	6	10	21	13	2	-11	-18	-10	-1	-1	-1	-9
1966	Below Normal	-9	-15	-17	-11	9	10	15	7	1	1	1	0
1967	Wet	-5	-10	-9	0	-1	10	9	14	7	-1	-1	2
1968	Dry	1	-2	-2	16	39	35	25	10	2	2	2	3
1969	Wet	-14	-24	-22	-14	-10	16	27	16	10	4	3	5
1970	Above Normal	-16	-28	-38	-43	5	29	33	31	8	3	3	10
1971	Below Normal	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1972	Dry	-3	-6	-10	-18	-20	-17	-7	-2	0	0	0	-2
1973	Above Normal	-3	-9	-21	-10	-1	12	22	10	1	1	1	0
1974	Wet	-3	-5	-16	-4	-4	8	16	7	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	9	29	43	33	17	52	21	-9	-6	3	3	5
1977	Critical	1	1	2	6	7	13	-6	1	0	0	0	1
1978	Wet	-9	-19	-17	-13	-11	13	24	21	9	0	0	6
1979	Above Normal	-11	-24	-34	-42	5	23	30	29	8	3	3	10
1980	Wet	-14	-24	-26	-28	-8	20	30	38	11	1	1	7
1981	Dry	-9	-15	-17	-8	9	14	15	7	1	1	1	0
1982	Wet	-14	-24	-22	-28	-8	20	30	28	11	5	1	3
1983	Wet	0	-5	-5	0	0	0	0	0	0	0	0	0
1984	Above Normal	-22	-38	-46	-51	-9	31	48	40	17	6	6	18
1985	Dry	-5	-12	-18	-11	9	10	15	7	1	1	1	0
1986	Wet	-14	-28	-26	-45	-8	20	29	40	15	2	2	16
1987	Critical	5	12	15	22	28	21	10	3	1	1	1	3
1988	Critical	1	1	2	6	7	4	2	1	0	0	0	1
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	-1	-1	-2	-1	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	5	3	5	8	9	7	3	1	0	0	0	1
1995	Wet	0	-5	0	0	0	0	0	0	0	0	0	0
1996	Wet	-22	-38	-46	-51	-9	31	48	36	17	6	2	12
1997	Wet	-20	-37	-47	-56	-9	33	51	50	15	4	3	12
1998	Wet	-6	-10	-9	0	4	7	6	5	4	1	1	1
1999	Above Normal	-16	-28	-38	-43	5	29	33	31	8	3	3	10
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	-3	-9	-3	7	-1	6	1	1	1	0	0
2002	Dry	-3	-5	-9	-16	-18	-15	-6	-2	0	0	0	-2
2003	Below Normal	-4	-3	1	3	0	3	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class1 Deliveries (Node D18A_C1 + D18B_C1)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-50%	-55%	-27%	-27%	-2%	8%	25%	77%	223%	41%	25%	16%
1923	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	87%	181%	156%	78%	56%	117%	111%	-5%	-53%	-	-	89%
1925	Below Normal	-4%	-5%	-6%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-7%
1926	Dry	-8%	-8%	-9%	-11%	-11%	-11%	-11%	-11%	-11%	-11%	-11%	-11%
1927	Above Normal	0%	-10%	-20%	-3%	-2%	5%	20%	26%	5%	0%	0%	0%
1928	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	0%	0%	0%	0%	0%
1929	Critical	5%	6%	6%	6%	6%	6%	6%	6%	6%	-	-	6%
1930	Critical	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	-	-	0%
1931	Critical	-2%	-2%	-2%	-1%	-1%	12%	-22%	-1%	-	-	-	-1%
1932	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-9%	0%	2%	0%
1933	Dry	-6%	-7%	-8%	-8%	-8%	-8%	-8%	-8%	-8%	-8%	-8%	-8%
1934	Critical	3%	3%	3%	4%	4%	4%	4%	4%	4%	-	-	4%
1935	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Above Normal	-9%	-10%	-20%	-7%	-1%	8%	30%	41%	44%	17%	17%	0%
1937	Wet	-9%	-18%	-30%	-12%	0%	10%	33%	54%	46%	33%	33%	47%
1938	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	74%	93%	71%	59%	26%
1939	Dry	-14%	-20%	-12%	0%	13%	15%	32%	46%	64%	50%	50%	7%
1940	Above Normal	0%	0%	0%	-1%	0%	4%	4%	12%	0%	0%	20%	0%
1941	Wet	-62%	-61%	-35%	-22%	-6%	8%	24%	59%	76%	82%	82%	21%
1942	Wet	-62%	-66%	-40%	-27%	-5%	10%	27%	100%	260%	40%	25%	24%
1943	Wet	-51%	-50%	-41%	-24%	2%	13%	34%	115%	185%	43%	43%	53%
1944	Below Normal	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1945	Above Normal	10%	11%	25%	3%	2%	-4%	-16%	-21%	-4%	0%	0%	0%
1946	Above Normal	-9%	-9%	-6%	-4%	1%	3%	8%	13%	19%	17%	17%	0%
1947	Dry	-6%	-12%	-13%	-2%	4%	0%	9%	7%	20%	20%	0%	0%
1948	Below Normal	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%
1949	Below Normal	-12%	-13%	-14%	-15%	-15%	-15%	-15%	-15%	-15%	-15%	-15%	-15%
1950	Below Normal	-11%	-5%	0%	0%	-2%	1%	-2%	-2%	-2%	-2%	-2%	-2%
1951	Above Normal	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1952	Wet	-43%	-49%	-22%	-22%	-3%	6%	21%	62%	68%	13%	11%	19%
1953	Below Normal	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1954	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-8%	-8%	-9%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
1956	Wet	-50%	-49%	-27%	-27%	-2%	8%	25%	77%	173%	51%	33%	20%
1957	Below Normal	-22%	-24%	-28%	-8%	-1%	12%	34%	61%	24%	17%	40%	0%
1958	Wet	-12%	-12%	-7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Dry	0%	-4%	-8%	-1%	4%	0%	10%	7%	21%	21%	1%	1%
1960	Critical	5%	6%	5%	6%	6%	6%	6%	6%	6%	-	-	6%
1961	Critical	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	-	-	0%
1962	Below Normal	9%	10%	7%	4%	-1%	-3%	-8%	-11%	-22%	-14%	-14%	0%
1963	Above Normal	38%	22%	44%	14%	0%	-9%	-25%	-35%	-30%	-25%	-25%	-32%
1964	Dry	17%	10%	4%	2%	4%	2%	4%	4%	4%	4%	4%	4%
1965	Wet	26%	26%	35%	9%	1%	-6%	-19%	-27%	-15%	-12%	-12%	-32%
1966	Below Normal	-23%	-24%	-18%	-7%	5%	7%	23%	36%	43%	40%	40%	0%
1967	Wet	-47%	-52%	-20%	0%	-1%	5%	7%	21%	48%	-8%	-8%	7%
1968	Dry	3%	-4%	-2%	12%	12%	28%	47%	62%	71%	68%	68%	20%
1969	Wet	-85%	-84%	-42%	-12%	-5%	9%	26%	33%	74%	57%	46%	17%
1970	Above Normal	-48%	-50%	-42%	-27%	2%	19%	47%	150%	215%	67%	100%	53%
1971	Below Normal	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1972	Dry	-10%	-10%	-11%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%
1973	Above Normal	-9%	-18%	-25%	-7%	-1%	8%	30%	41%	27%	17%	17%	0%
1974	Wet	-9%	-10%	-20%	-3%	-2%	5%	20%	26%	4%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	37%	105%	85%	27%	11%	55%	50%	-32%	-66%	-	-	35%
1977	Critical	12%	13%	13%	14%	14%	60%	-28%	14%	-	-	-	14%
1978	Wet	-76%	-81%	-36%	-11%	-6%	7%	23%	36%	65%	2%	0%	20%
1979	Above Normal	-40%	-46%	-40%	-27%	3%	14%	41%	122%	215%	67%	67%	53%
1980	Wet	-85%	-84%	-46%	-22%	-4%	11%	30%	97%	93%	11%	11%	24%
1981	Dry	-23%	-24%	-18%	-5%	5%	9%	23%	36%	43%	40%	40%	0%
1982	Wet	-85%	-84%	-42%	-22%	-4%	11%	30%	71%	104%	82%	11%	9%
1983	Wet	0%	-50%	-13%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Above Normal	-79%	-81%	-57%	-34%	-5%	19%	61%	151%	354%	134%	134%	89%
1985	Dry	-14%	-20%	-18%	-7%	5%	7%	23%	36%	43%	40%	40%	0%
1986	Wet	-56%	-66%	-40%	-31%	-12%	12%	31%	118%	261%	43%	43%	82%
1987	Critical	18%	25%	18%	16%	19%	16%	19%	19%	19%	19%	19%	19%
1988	Critical	4%	5%	5%	5%	5%	5%	5%	5%	5%	-	-	5%
1989	Critical	0%	0%	-1%	0%	0%	0%	0%	0%	0%	-	-	0%
1990	Critical	-1%	0%	-1%	0%	0%	0%	0%	0%	0%	-	-	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-	-	0%
1992	Critical	-2%	-1%	-2%	-1%	-1%	-1%	-1%	-1%	-1%	-	-	-1%
1993	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	17%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
1995	Wet	0%	-50%	0%	0%	0%	0%	0%	0%	1%	2%	2%	-1%
1996	Wet	-79%	-81%	-57%	-34%	-5%	19%	61%	134%	350%	134%	43%	63%
1997	Wet	-70%	-72%	-55%	-35%	-5%	21%	70%	211%	382%	94%	67%	60%
1998	Wet	-69%	-68%	-22%	0%	2%	3%	5%	7%	19%	10%	8%	4%
1999	Above Normal	-48%	-50%	-42%	-27%	2%	19%	47%	150%	215%	67%	100%	53%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	-4%	-9%	-2%	4%	0%	9%	7%	20%	20%	0%	0%
2002	Dry	-8%	-9%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
2003	Below Normal	-11%	-5%	1%	2%	0%	2%	0%	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	34	90	130	124	100	78	27	0	0	0	0	16
1923	Above Normal	28	71	85	77	61	57	29	5	0	0	0	20
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	3	5	9	15	17	14	6	2	0	0	0	2
1926	Dry	1	2	4	4	4	4	1	0	0	0	0	0
1927	Above Normal	34	73	90	81	67	62	31	6	0	0	0	20
1928	Below Normal	1	14	18	24	28	22	9	3	0	0	0	3
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	36	83	114	98	85	66	22	1	1	1	1	22
1933	Dry	2	3	5	9	10	8	3	1	0	0	0	1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	25	50	77	64	57	56	32	8	1	1	1	6
1936	Above Normal	25	66	82	63	56	54	32	7	1	1	1	0
1937	Wet	1	44	63	58	50	50	29	7	1	1	1	18
1938	Wet	0	28	99	168	120	108	53	14	2	7	7	21
1939	Dry	2	2	1	1	1	1	0	0	0	0	0	0
1940	Above Normal	21	56	64	59	55	50	16	5	0	0	1	10
1941	Wet	37	79	141	155	107	92	44	11	1	6	6	18
1942	Wet	38	89	123	121	97	76	25	0	0	0	0	15
1943	Wet	3	56	85	75	59	55	28	5	0	0	0	19
1944	Below Normal	1	13	17	28	32	26	10	3	1	1	1	0
1945	Above Normal	36	86	119	106	94	74	26	2	1	1	1	24
1946	Above Normal	24	59	70	48	39	40	25	5	1	1	1	16
1947	Dry	2	3	6	8	9	7	3	1	0	0	0	1
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	11	13	21	24	19	8	2	0	0	0	2
1951	Above Normal	2	15	20	33	38	31	12	4	1	1	1	4
1952	Wet	21	79	98	153	108	96	46	12	1	6	6	18
1953	Below Normal	3	18	24	39	45	37	15	4	1	1	1	4
1954	Below Normal	2	4	7	13	15	12	5	1	0	0	0	1
1955	Dry	1	2	3	6	7	5	2	1	0	0	0	1
1956	Wet	46	101	138	138	114	96	35	3	1	1	1	18
1957	Below Normal	9	26	36	47	43	37	12	4	0	0	1	13
1958	Wet	36	55	137	154	107	94	45	12	1	6	6	18
1959	Dry	1	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	28	75	92	85	70	65	33	6	0	0	0	21
1963	Above Normal	43	90	128	122	100	78	27	0	0	0	0	16
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	43	100	132	125	104	81	28	1	0	0	0	16
1966	Below Normal	3	17	18	19	22	18	7	2	0	0	0	2
1967	Wet	74	44	114	143	119	102	71	52	14	22	22	70
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	19	19	75	128	109	91	62	44	14	19	19	59
1970	Above Normal	11	29	41	55	52	45	15	5	0	0	1	15
1971	Below Normal	3	17	23	38	44	35	14	4	1	1	1	4
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	22	61	66	57	48	47	28	6	1	1	1	17
1974	Wet	30	71	85	75	60	56	28	5	0	0	0	19
1975	Wet	26	72	88	78	63	59	30	6	0	0	0	20
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	38	41	128	137	114	111	76	50	15	21	21	67
1979	Above Normal	21	60	71	54	46	46	28	6	1	1	0	0
1980	Wet	37	66	121	165	119	106	52	14	2	7	7	20
1981	Dry	1	13	16	26	30	24	10	3	0	0	0	3
1982	Wet	49	4	101	164	119	109	57	16	2	2	0	0
1983	Wet	0	46	126	104	104	107	95	59	15	24	26	83
1984	Above Normal	30	73	87	79	65	60	30	6	0	0	0	20
1985	Dry	3	5	8	14	16	13	5	1	0	0	0	0
1986	Wet	0	85	116	102	89	70	23	1	1	1	1	23
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	40	100	136	134	110	92	33	2	1	1	1	18
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	58	92	164	135	104	108	101	64	15	26	26	83
1996	Wet	28	73	88	80	65	60	31	6	0	0	0	15
1997	Wet	29	62	73	49	40	41	25	5	1	1	1	0
1998	Wet	44	21	125	117	122	96	83	55	15	24	24	75
1999	Above Normal	11	30	42	58	54	48	16	5	0	0	1	15
2000	Above Normal	18	58	68	49	40	41	25	4	1	1	1	16
2001	Dry	1	1	2	3	4	3	1	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	12	15	24	28	23	9	n/a	n/a	n/a	n/a	n/a

Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)

Alternative 5 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	62	84	137	143	120	103	97	54	14	24	25	70
1923	Above Normal	31	76	92	84	70	64	33	6	0	0	0	21
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	36	88	118	102	89	70	24	1	1	1	1	23
1928	Below Normal	2	3	5	7	8	7	3	1	0	0	0	1
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	30	75	90	81	67	62	31	6	0	0	0	20
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	20	48	72	58	50	50	29	7	1	1	1	5
1936	Above Normal	30	86	119	103	90	71	24	1	1	1	1	0
1937	Wet	5	74	121	125	102	81	28	1	0	0	0	16
1938	Wet	19	74	155	141	111	115	110	63	16	28	28	87
1939	Dry	28	71	84	75	59	55	28	5	0	0	0	2
1940	Above Normal	22	63	74	61	53	52	31	7	1	1	1	13
1941	Wet	68	63	151	144	121	95	101	54	15	24	24	75
1942	Wet	78	98	148	144	120	95	101	54	15	27	20	75
1943	Wet	10	67	124	140	117	114	94	57	15	22	22	68
1944	Below Normal	28	70	84	74	58	54	28	5	0	0	0	13
1945	Above Normal	27	70	83	72	56	53	27	5	0	0	0	19
1946	Above Normal	28	71	84	73	58	54	28	5	0	0	0	19
1947	Dry	20	54	62	61	56	53	17	5	0	0	1	15
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	31	75	91	83	69	64	32	6	0	0	0	21
1952	Wet	41	52	124	147	124	108	98	64	15	27	27	73
1953	Below Normal	31	76	92	85	71	65	33	6	0	0	0	21
1954	Below Normal	3	5	8	12	13	11	4	1	0	0	0	1
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	72	88	132	142	117	101	86	53	14	22	23	69
1957	Below Normal	36	86	116	100	86	68	23	1	1	1	1	23
1958	Wet	38	42	116	165	117	107	70	23	2	6	6	20
1959	Dry	11	31	43	58	54	49	16	5	0	0	1	15
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	21	61	71	56	48	48	28	6	1	1	1	17
1963	Above Normal	21	55	63	46	37	38	24	5	0	0	0	16
1964	Dry	3	16	21	33	38	31	13	4	1	1	1	4
1965	Wet	29	71	85	75	60	56	28	5	0	0	0	19
1966	Below Normal	30	74	88	80	65	60	31	6	0	0	0	20
1967	Wet	85	63	145	134	103	106	108	63	14	30	30	84
1968	Dry	31	77	93	87	73	68	34	7	1	1	0	0
1969	Wet	53	58	148	135	111	115	110	63	16	28	28	87
1970	Above Normal	57	69	106	133	112	99	67	46	14	19	19	60
1971	Below Normal	29	72	86	77	62	57	29	5	0	0	0	20
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	28	83	106	94	81	63	20	0	1	1	1	22
1974	Wet	36	88	117	103	90	71	24	1	1	1	1	23
1975	Wet	26	76	92	84	70	64	32	6	0	0	0	21
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	59	74	179	138	109	112	89	67	15	31	31	86
1979	Above Normal	56	70	109	140	118	104	76	50	15	20	0	30
1980	Wet	73	126	181	141	111	115	115	66	16	32	32	88
1981	Dry	28	70	83	73	58	54	27	5	0	0	0	19
1982	Wet	86	48	181	141	111	115	93	63	16	23	9	42
1983	Wet	2	55	137	110	111	115	101	63	16	26	28	87
1984	Above Normal	86	110	157	143	110	98	103	55	14	25	25	77
1985	Dry	30	74	88	80	65	60	31	6	0	0	0	0
1986	Wet	33	92	146	141	116	91	57	15	27	27	27	73
1987	Critical	8	18	24	39	45	36	15	4	1	1	1	4
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	36	100	133	124	102	80	27	0	0	0	0	16
1994	Critical	0	7	11	18	21	17	7	2	0	0	0	2
1995	Wet	62	101	170	141	111	115	111	68	16	28	28	87
1996	Wet	78	105	161	147	116	104	107	58	15	12	0	75
1997	Wet	81	101	149	143	119	94	100	57	14	25	26	37
1998	Wet	59	41	152	113	111	115	109	63	16	28	28	87
1999	Above Normal	60	71	108	138	117	103	72	48	14	20	20	62
2000	Above Normal	23	62	73	60	52	51	30	5	1	1	1	18
2001	Dry	9	27	37	47	43	37	12	4	0	0	1	13
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	1	1	2	2	2	2	1	n/a	n/a	n/a	n/a	n/a

Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
 Alternative 5 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	28	-6	8	19	20	25	71	54	14	24	24	55
1923	Above Normal	2	5	6	7	8	7	4	1	0	0	0	1
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	-3	-5	-9	-15	-17	-14	-6	-2	0	0	0	-2
1926	Dry	-1	-2	-4	-4	-4	-4	-1	0	0	0	0	0
1927	Above Normal	3	15	28	21	22	8	-8	-5	0	0	0	3
1928	Below Normal	1	-11	-12	-17	-19	-16	-6	-2	0	0	0	-2
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	-6	-8	-24	-17	-18	-5	10	5	0	0	0	-2
1933	Dry	-2	-3	-5	-9	-10	-8	-3	-1	0	0	0	-1
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	-6	-2	-5	-6	-7	-6	-3	-1	0	0	0	-1
1936	Above Normal	5	20	37	40	34	17	-8	-6	0	0	0	0
1937	Wet	5	30	58	67	52	31	-2	-6	0	0	0	-2
1938	Wet	19	46	56	-27	-9	7	58	49	14	21	21	67
1939	Dry	26	68	84	74	58	54	28	5	0	0	0	2
1940	Above Normal	1	7	10	2	-1	2	14	2	0	0	0	3
1941	Wet	31	-16	11	-11	13	3	58	43	13	18	18	57
1942	Wet	40	10	25	23	23	19	76	54	14	27	20	60
1943	Wet	7	11	38	65	58	59	66	52	15	21	21	49
1944	Below Normal	27	57	67	46	26	29	17	2	0	0	0	13
1945	Above Normal	-10	-16	-36	-34	-21	-22	1	3	-1	-1	-1	-5
1946	Above Normal	5	11	14	25	18	13	3	-1	0	0	0	3
1947	Dry	18	51	56	53	47	46	14	5	0	0	1	15
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	-11	-13	-21	-24	-19	-8	-2	0	0	0	-2
1951	Above Normal	28	60	71	50	31	33	20	3	0	0	0	17
1952	Wet	20	-26	26	-6	16	12	52	52	14	21	21	55
1953	Below Normal	27	58	68	46	25	29	18	2	0	0	0	17
1954	Below Normal	1	1	0	-1	-1	-1	0	0	0	0	0	0
1955	Dry	-1	-2	-3	-6	-7	-5	-2	-1	0	0	0	-1
1956	Wet	26	-13	-6	4	3	5	51	50	14	21	22	51
1957	Below Normal	28	60	80	53	43	31	11	-3	1	1	0	9
1958	Wet	3	-12	-21	10	10	13	25	11	1	1	1	2
1959	Dry	10	31	43	58	54	49	16	5	0	0	1	15
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	-7	-14	-21	-29	-22	-17	-4	0	0	0	0	-4
1963	Above Normal	-22	-34	-65	-76	-63	-40	-3	5	0	0	0	0
1964	Dry	3	16	21	33	38	31	13	4	1	1	1	4
1965	Wet	-14	-28	-47	-50	-44	-26	0	5	0	0	0	3
1966	Below Normal	27	57	70	61	43	42	24	4	0	0	0	18
1967	Wet	11	18	31	-9	-16	4	37	11	0	8	8	14
1968	Dry	31	77	93	87	73	68	34	7	1	1	0	0
1969	Wet	34	39	73	6	2	25	48	19	2	9	9	28
1970	Above Normal	45	40	65	78	60	54	52	41	14	19	18	45
1971	Below Normal	26	55	63	39	18	22	15	1	0	0	0	15
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	6	22	40	38	33	15	-8	-6	0	0	0	4
1974	Wet	6	17	32	28	30	16	-4	-4	0	0	0	4
1975	Wet	0	4	4	6	6	5	3	1	0	0	0	1
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	21	33	50	1	-6	1	13	17	1	10	10	19
1979	Above Normal	35	10	38	86	71	58	48	44	14	19	0	30
1980	Wet	35	60	60	-24	-7	9	63	52	14	25	25	68
1981	Dry	27	57	67	47	27	30	18	2	0	0	0	16
1982	Wet	37	44	80	-23	-8	6	36	47	14	21	9	42
1983	Wet	2	9	11	6	7	8	6	4	1	1	1	4
1984	Above Normal	55	37	70	63	45	38	72	49	14	24	24	57
1985	Dry	27	69	80	66	49	47	25	4	0	0	0	0
1986	Wet	33	8	30	39	28	21	67	56	14	27	27	50
1987	Critical	8	18	24	39	45	36	15	4	1	1	1	4
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	-4	0	-3	-10	-8	-12	-6	-2	0	0	0	-2
1994	Critical	0	7	11	18	21	17	7	2	0	0	0	2
1995	Wet	4	9	6	5	7	8	10	4	1	1	1	4
1996	Wet	50	33	73	68	51	44	76	52	15	12	0	60
1997	Wet	53	39	76	94	79	53	75	52	14	25	25	37
1998	Wet	15	20	27	-4	-10	19	26	8	1	4	4	12
1999	Above Normal	50	41	66	81	63	55	56	43	14	19	19	47
2000	Above Normal	4	4	5	11	12	10	5	1	0	0	0	2
2001	Dry	9	26	35	44	40	34	11	3	0	0	1	13
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	-11	-13	-23	-26	-21	-9	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated Class2 Deliveries (Node D18A_C2 + D18B_C2)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	82%	-7%	6%	16%	19%	32%	266%	46417%	4263%	7218%	7304%	346%
1923	Above Normal	8%	7%	7%	10%	14%	13%	12%	19%	48%	48%	48%	6%
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
1926	Dry	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
1927	Above Normal	7%	20%	32%	25%	33%	14%	-25%	80%	80%	73%	75%	13%
1928	Below Normal	46%	-76%	-70%	-69%	-70%	-69%	-70%	-70%	-70%	-70%	-70%	-70%
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-17%	-10%	-21%	-17%	-21%	-7%	44%	692%	-38%	-38%	-38%	-9%
1933	Dry	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-22%	-4%	-7%	-10%	-12%	-11%	-9%	-11%	-16%	-16%	-16%	-16%
1936	Above Normal	21%	30%	45%	64%	62%	31%	-25%	-84%	-37%	-4%	-5%	-
1937	Wet	794%	68%	92%	115%	103%	63%	-6%	-90%	-52%	-52%	-52%	-10%
1938	Wet	-	161%	56%	-16%	-7%	7%	110%	348%	671%	315%	315%	323%
1939	Dry	1461%	2885%	16696%	7528%	5222%	5939%	7653%	4682%	1476%	1476%	-	-
1940	Above Normal	5%	13%	16%	3%	-2%	4%	88%	38%	83%	83%	-29%	27%
1941	Wet	85%	-20%	8%	-7%	13%	4%	131%	378%	970%	299%	299%	316%
1942	Wet	105%	11%	20%	19%	24%	25%	299%	89373%	5033%	9466%	-	387%
1943	Wet	221%	19%	45%	87%	98%	107%	234%	1030%	5263%	7616%	7616%	253%
1944	Below Normal	2439%	427%	399%	167%	82%	111%	166%	63%	-49%	-49%	-49%	-
1945	Above Normal	-26%	-19%	-30%	-32%	-40%	-29%	6%	170%	-73%	-73%	-73%	-20%
1946	Above Normal	20%	19%	20%	52%	46%	33%	11%	-10%	-53%	-53%	-53%	19%
1947	Dry	963%	1497%	939%	690%	539%	641%	499%	547%	231%	231%	705%	1762%
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-98%	-99%	-99%	-99%	-99%	-99%	-99%	-99%	-99%	-99%	-99%
1951	Above Normal	1342%	389%	354%	153%	81%	107%	160%	72%	-25%	-25%	-25%	474%
1952	Wet	98%	-33%	26%	-4%	15%	12%	114%	428%	972%	351%	353%	302%
1953	Below Normal	839%	330%	289%	117%	56%	79%	123%	50%	-32%	-32%	-32%	387%
1954	Below Normal	24%	15%	5%	-9%	-9%	-9%	-9%	-9%	-9%	-9%	-9%	-9%
1955	Dry	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
1956	Wet	58%	-13%	-5%	3%	3%	5%	148%	1912%	2100%	3322%	3422%	279%
1957	Below Normal	322%	227%	222%	113%	99%	85%	91%	-75%	252%	252%	-18%	69%
1958	Wet	7%	-22%	-15%	7%	9%	14%	57%	97%	38%	9%	9%	11%
1959	Dry	1100%	50254%	36660%	25409%	20752%	23077%	19319%	20546%	-	-	-	61183%
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-25%	-19%	-23%	-34%	-32%	-26%	-13%	1%	43%	43%	43%	-17%
1963	Above Normal	-52%	-38%	-51%	-62%	-63%	-51%	-10%	20164%	49%	41%	42%	-1%
1964	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1965	Wet	-34%	-28%	-36%	-40%	-42%	-32%	1%	862%	-28%	-28%	-28%	19%
1966	Below Normal	914%	333%	378%	318%	200%	238%	332%	179%	12%	-	12%	879%
1967	Wet	15%	41%	27%	-6%	-13%	4%	53%	21%	0%	36%	37%	21%
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	173%	200%	97%	5%	2%	27%	78%	44%	16%	46%	46%	48%
1970	Above Normal	411%	137%	160%	143%	117%	121%	349%	878%	3942%	5460%	1819%	312%
1971	Below Normal	869%	320%	278%	103%	41%	63%	105%	29%	-53%	-53%	-53%	374%
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	28%	37%	60%	67%	69%	33%	-29%	-98%	-23%	-14%	-9%	26%
1974	Wet	19%	24%	37%	37%	51%	28%	-15%	-74%	168%	168%	168%	20%
1975	Wet	-1%	5%	5%	7%	10%	9%	9%	14%	34%	34%	34%	5%
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1978	Wet	56%	81%	39%	1%	-5%	1%	17%	33%	5%	48%	48%	28%
1979	Above Normal	167%	16%	54%	157%	154%	124%	173%	700%	2137%	2942%	-	-
1980	Wet	95%	90%	49%	-15%	-6%	8%	122%	377%	729%	384%	384%	335%
1981	Dry	3105%	444%	423%	182%	92%	122%	180%	70%	-48%	-48%	-48%	569%
1982	Wet	76%	1124%	79%	-14%	-6%	6%	64%	302%	696%	888%	-	-
1983	Wet	-	19%	8%	5%	7%	7%	6%	7%	8%	5%	4%	5%
1984	Above Normal	182%	51%	80%	80%	70%	64%	237%	861%	3677%	6486%	6486%	284%
1985	Dry	1061%	1502%	990%	483%	317%	371%	502%	289%	54%	54%	54%	-
1986	Wet	7974%	9%	26%	38%	31%	30%	288%	4764%	1854%	3582%	3576%	217%
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1993	Wet	-9%	0%	-3%	-8%	-8%	-13%	-17%	-78%	-39%	-39%	-39%	-10%
1994	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1995	Wet	6%	10%	4%	4%	7%	7%	10%	6%	7%	4%	4%	5%
1996	Wet	181%	45%	82%	85%	78%	73%	249%	942%	3823%	-	-	402%
1997	Wet	185%	64%	104%	193%	198%	129%	299%	951%	2570%	4553%	4659%	-
1998	Wet	34%	94%	21%	-4%	-8%	20%	31%	15%	7%	15%	15%	16%
1999	Above Normal	469%	134%	156%	140%	118%	113%	348%	868%	3561%	4887%	1777%	313%
2000	Above Normal	23%	7%	7%	22%	30%	25%	20%	35%	22%	30%	31%	10%
2001	Dry	1446%	2474%	1849%	1402%	1127%	1167%	917%	1037%	254%	254%	1429%	3897%
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	76%	-88%	-86%	-93%	-93%	-93%	-93%	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Existing Condition (taf)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	74	77	86	67	0	0	0	0	0	0	61	25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	13	0	0	0	0	0	0	0	0	9
1927	Above Normal	0	0	86	83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	83	0	0	0	0	0	0	0	0
1936	Above Normal	19	0	86	22	0	0	0	0	0	0	0	0
1937	Wet	0	12	12	83	0	0	0	0	0	33	74	67
1938	Wet	0	0	12	34	31	0	0	0	0	0	21	10
1939	Dry	13	83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	86	47	0	0	0	0	0	0	0	0
1941	Wet	74	69	11	45	13	0	0	0	0	0	74	57
1942	Wet	0	78	70	69	0	0	0	0	0	0	0	67
1943	Wet	0	2	86	20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	2
1945	Above Normal	0	0	65	58	0	0	0	0	0	42	74	10
1946	Above Normal	0	0	67	0	0	0	0	0	0	0	6	22
1947	Dry	0	0	12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	74	74	69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	69
1952	Wet	0	0	12	48	0	0	0	0	0	0	44	12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1956	Wet	50	76	62	40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	12	46	0	0	0	0	0	0	0	0
1959	Dry	25	1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	7	0	0	0	0	0	0	0	67
1963	Above Normal	0	0	0	31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	74	69
1965	Wet	0	0	0	0	0	0	0	0	0	0	56	8
1966	Below Normal	0	34	56	0	0	0	0	0	0	0	25	68
1967	Wet	76	0	8	71	38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	12	0	40	0	0	0	0	0	63	6
1970	Above Normal	25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	78	11	83	0	0	0	0	0	1	74	28
1974	Wet	72	82	86	75	0	0	0	0	0	0	0	0
1975	Wet	0	0	75	83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	2
1978	Wet	0	0	10	71	33	0	0	0	0	0	61	13
1979	Above Normal	40	0	86	51	0	0	0	0	0	0	0	0
1980	Wet	0	77	82	37	32	0	0	0	0	0	11	14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	69
1982	Wet	74	0	86	38	0	0	0	79	71	0	0	0
1983	Wet	0	0	0	0	53	0	0	0	46	0	74	0
1984	Above Normal	27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	2
1986	Wet	0	80	86	77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	31
1993	Wet	74	76	72	58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	36	69
1995	Wet	0	71	0	71	53	0	0	0	0	0	0	17
1996	Wet	0	82	86	83	0	0	0	0	0	0	0	0
1997	Wet	78	16	86	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	3	0	40	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	86	41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

Alternative 5 (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Wet	0	0	0	0	0	0	0	0	0	0	0	67
1938	Wet	0	0	0	71	46	0	0	0	0	0	0	0
1939	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1945	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1970	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1979	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1980	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	46	0	0	0	17	0	74	0
1984	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1996	Wet	0	71	79	62	0	0	0	0	0	0	0	0
1997	Wet	43	10	83	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	0	0	46	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)
 Alternative 5 - Existing Condition (taf)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
1922	Wet	-74	-77	-86	-67	0	0	0	0	0	0	-61	-25
1923	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1925	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	-13	0	0	0	0	0	0	0	0	-9
1927	Above Normal	0	0	-86	-83	0	0	0	0	0	0	0	0
1928	Below Normal	0	0	-24	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Above Normal	0	0	0	-67	0	0	0	0	0	0	0	0
1933	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Above Normal	0	0	0	-83	0	0	0	0	0	0	0	0
1936	Above Normal	-19	0	-86	-22	0	0	0	0	0	0	0	0
1937	Wet	0	-12	-12	-83	0	0	0	0	0	-33	-74	0
1938	Wet	0	0	-12	38	16	0	0	0	0	0	-21	-10
1939	Dry	-13	-83	0	0	0	0	0	0	0	0	0	0
1940	Above Normal	0	0	-86	-47	0	0	0	0	0	0	0	0
1941	Wet	-74	-69	-11	-45	-13	0	0	0	0	0	-74	-57
1942	Wet	0	-78	-70	-69	0	0	0	0	0	0	0	-67
1943	Wet	0	-2	-86	-20	0	0	0	0	0	0	0	0
1944	Below Normal	0	0	0	0	0	0	0	0	0	0	0	-2
1945	Above Normal	0	0	-65	-58	0	0	0	0	0	-42	-74	-10
1946	Above Normal	0	0	-67	0	0	0	0	0	0	0	-6	-22
1947	Dry	0	0	-12	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	-74	-74	-69
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	-69
1952	Wet	0	0	-12	-48	0	0	0	0	0	0	-44	-12
1953	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1954	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1956	Wet	-50	-76	-62	-40	0	0	0	0	0	0	0	0
1957	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	-12	-46	0	0	0	0	0	0	0	0
1959	Dry	-25	-1	0	0	0	0	0	0	0	0	0	0
1960	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1961	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	-7	0	0	0	0	0	0	0	-67
1963	Above Normal	0	0	0	-31	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	-74	-69
1965	Wet	0	0	0	0	0	0	0	0	0	0	-56	-8
1966	Below Normal	0	-34	-56	0	0	0	0	0	0	0	-25	-68
1967	Wet	-76	0	-8	-71	-38	0	0	0	0	0	0	0
1968	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1969	Wet	0	0	-12	0	7	0	0	0	0	0	-63	-6
1970	Above Normal	-25	0	0	0	0	0	0	0	0	0	0	0
1971	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1972	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	-78	-11	-83	0	0	0	0	0	-1	-74	-28
1974	Wet	-72	-82	-86	-75	0	0	0	0	0	0	0	0
1975	Wet	0	0	-75	-83	0	0	0	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	-2
1978	Wet	0	0	-10	-71	-33	0	0	0	0	0	-61	-13
1979	Above Normal	-40	0	-86	-51	0	0	0	0	0	0	0	0
1980	Wet	0	-77	-82	-37	-32	0	0	0	0	0	-11	-14
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	-69
1982	Wet	-74	0	-86	-38	0	0	0	-79	-71	0	0	0
1983	Wet	0	0	0	0	-7	0	0	0	-29	0	0	0
1984	Above Normal	-27	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	-2
1986	Wet	0	-80	-86	-77	0	0	0	0	0	0	0	0
1987	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	-31
1993	Wet	-74	-76	-72	-58	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	-36	-69
1995	Wet	0	-71	0	-71	-7	0	0	0	0	0	0	-17
1996	Wet	0	-10	-7	-21	0	0	0	0	0	0	0	0
1997	Wet	-35	-6	-3	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-3	0	6	0	0	0	0	0	0	0
1999	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	-86	-41	0	0	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Below Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated Section 215 Deliveries (Node D18A_215 + D18B_215)

From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1923	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
1924	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1925	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1926	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1927	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1928	Below Normal	-	-	-100%	-	-	-	-	-	-	-	-	-
1929	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1930	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1931	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1932	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1933	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1934	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1935	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1936	Above Normal	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1937	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	0%
1938	Wet	-	-	-100%	111%	51%	-	-	-	-	-	-100%	-100%
1939	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1940	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1941	Wet	-100%	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1942	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-100%
1943	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1944	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1945	Above Normal	-	-	-100%	-100%	-	-	-	-	-100%	-100%	-100%	-100%
1946	Above Normal	-	-	-100%	-	-	-	-	-	-	-	-100%	-100%
1947	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-
1948	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1949	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1950	Below Normal	-	-	-	-	-	-	-	-	-100%	-100%	-100%	-100%
1951	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-100%
1952	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-100%	-100%
1953	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1954	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1955	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1956	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1957	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1958	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1959	Dry	-100%	-100%	-	-	-	-	-	-	-	-	-	-
1960	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1961	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1962	Below Normal	-	-	-	-100%	-	-	-	-	-	-	-	-100%
1963	Above Normal	-	-	-	-100%	-	-	-	-	-	-	-	-
1964	Dry	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1965	Wet	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1966	Below Normal	-	-100%	-100%	-	-	-	-	-	-	-	-100%	-100%
1967	Wet	-100%	-	-100%	-100%	-100%	-	-	-	-	-	-	-
1968	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1969	Wet	-	-	-100%	-100%	17%	-	-	-	-	-	-100%	-100%
1970	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1971	Below Normal	-	-	-	-	-	-	-	-	-	-	-	-
1972	Dry	-	-	-	-	-	-	-	-	-	-	-	-
1973	Above Normal	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%	-100%
1974	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1975	Wet	-	-	-100%	-100%	-	-	-	-	-	-	-	-
1976	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1977	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1978	Wet	-	-	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1979	Above Normal	-100%	-	-100%	-100%	-	-	-	-	-	-	-	-
1980	Wet	-	-100%	-100%	-100%	-100%	-	-	-	-	-	-100%	-100%
1981	Dry	-	-	-	-	-	-	-	-	-	-	-	-100%
1982	Wet	-100%	-	-100%	-100%	-	-	-	-100%	-100%	-	-	-
1983	Wet	-	-	-	-	-13%	-	-	-	-62%	-	0%	-
1984	Above Normal	-100%	-	-	-	-	-	-	-	-	-	-	-
1985	Dry	-	-	-100%	-	-	-	-	-	-	-	-	-100%
1986	Wet	-	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1987	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1988	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1989	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1990	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1991	Critical	-	-	-	-	-	-	-	-	-	-	-	-
1992	Critical	-	-	-	-	-	-	-	-	-	-	-	-100%
1993	Wet	-100%	-100%	-100%	-100%	-	-	-	-	-	-	-	-
1994	Critical	-	-	-	-	-	-	-	-	-	-	-100%	-100%
1995	Wet	-	-100%	-	-100%	-12%	-	-	-	-	-	-	-100%
1996	Wet	-100%	-13%	-8%	-25%	-	-	-	-	-	-	-	-
1997	Wet	-45%	-40%	-3%	-	-	-	-	-	-	-	-	-
1998	Wet	-	-	-100%	-	15%	-	-	-	-	-	-	-
1999	Above Normal	-	-	-	-	-	-	-	-	-	-	-	-
2000	Above Normal	-	-	-100%	-100%	-	-	-	-	-	-	-	-
2001	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2002	Dry	-	-	-	-	-	-	-	-	-	-	-	-
2003	Below Normal	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,811	3,559	5,150	7,708	8,580	7,075	4,199	3,214	2,008	1,645	2,026	2,651
1923	Below Normal	2,215	2,571	3,912	5,671	6,132	5,290	3,567	2,811	1,675	1,208	1,324	1,733
1924	Critical	1,518	1,792	2,510	3,515	3,695	3,353	2,517	2,008	1,181	778	731	1,018
1925	Dry	2,084	2,337	3,672	5,271	5,652	4,944	3,453	2,739	1,620	1,132	1,191	1,627
1926	Dry	1,889	2,054	3,148	4,400	4,605	4,187	3,198	2,578	1,494	960	898	1,261
1927	Wet	2,269	2,723	4,094	5,973	6,495	5,554	3,657	2,869	1,721	1,269	1,427	1,855
1928	Above Normal	2,134	2,487	3,945	5,727	6,200	5,339	3,583	2,821	1,683	1,218	1,343	1,819
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1930	Dry	1,871	2,352	3,314	4,672	4,932	4,425	3,283	2,632	1,538	1,018	992	1,375
1931	Critical	1,482	1,744	2,442	3,404	3,563	3,256	2,481	1,985	1,162	753	692	938
1932	Dry	1,638	1,828	2,734	3,881	4,135	3,676	2,636	2,084	1,246	862	859	1,172
1933	Critical	1,392	1,524	2,299	3,171	3,283	3,051	2,406	1,937	1,120	700	610	874
1934	Critical	1,544	1,827	2,558	3,593	3,789	3,423	2,543	2,024	1,195	796	758	1,051
1935	Below Normal	1,512	1,691	3,387	4,795	5,080	4,532	3,318	2,654	1,555	1,042	1,033	1,378
1936	Below Normal	2,237	2,347	3,854	5,575	6,017	5,207	3,539	2,794	1,662	1,189	1,292	1,754
1937	Below Normal	1,681	2,486	3,531	5,036	5,369	4,741	3,386	2,697	1,588	1,087	1,113	1,528
1938	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1939	Dry	2,002	2,553	3,603	5,156	5,514	4,641	3,420	2,719	1,604	1,110	1,153	1,524
1940	Above Normal	2,049	2,498	3,826	5,527	5,960	5,166	3,526	2,785	1,655	1,181	1,276	1,735
1941	Wet	2,678	3,388	4,654	6,978	8,208	6,807	4,111	3,158	1,965	1,586	1,923	2,521
1942	Wet	2,803	3,553	5,169	7,740	8,617	6,425	4,208	3,219	2,012	1,651	2,037	2,664
1943	Wet	2,849	3,114	5,128	7,671	8,535	7,043	4,189	3,207	2,003	1,638	2,014	2,544
1944	Dry	1,971	2,149	3,306	4,660	4,917	4,415	3,279	2,629	1,536	1,016	987	1,370
1945	Below Normal	2,233	2,952	4,422	6,509	7,139	6,026	3,831	2,980	1,816	1,391	1,615	2,147
1946	Below Normal	2,445	2,935	4,389	6,454	7,073	5,978	3,813	2,968	1,806	1,379	1,596	2,124
1947	Dry	2,052	2,498	3,904	5,658	6,117	5,279	3,563	2,809	1,673	1,205	1,320	1,728
1948	Below Normal	1,802	2,087	3,189	4,467	4,686	4,246	3,220	2,592	1,506	975	921	1,289
1949	Dry	2,079	2,770	4,365	6,415	7,027	5,944	3,801	2,960	1,799	1,370	1,582	2,108
1950	Below Normal	1,996	2,331	3,618	5,180	5,543	4,865	3,427	2,723	1,608	1,115	1,161	1,589
1951	Above Normal	2,528	2,952	4,412	6,492	7,118	6,011	3,825	2,976	1,813	1,387	1,609	2,066
1952	Wet	2,991	3,392	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1953	Wet	2,107	2,417	3,773	5,439	5,855	5,090	3,501	2,770	1,643	1,164	1,247	1,698
1954	Above Normal	2,099	2,385	3,707	5,328	5,721	4,874	3,469	2,750	1,628	1,143	1,210	1,651
1955	Dry	2,252	2,487	3,885	5,627	6,080	5,252	3,554	2,803	1,669	1,199	1,310	1,715
1956	Wet	2,967	3,491	4,710	7,071	8,320	6,888	4,138	3,175	1,978	1,604	1,954	2,560
1957	Above Normal	2,025	2,100	3,216	4,511	4,738	4,285	3,234	2,601	1,513	985	937	1,308
1958	Wet	2,883	3,294	5,286	8,032	9,475	7,720	4,411	3,347	2,110	1,786	2,274	2,964
1959	Below Normal	1,978	1,942	3,515	5,008	5,336	4,716	3,378	2,692	1,584	1,082	1,103	1,464
1960	Dry	1,941	2,558	3,566	5,094	5,439	3,540	3,403	2,707	1,596	1,098	1,132	1,553
1961	Dry	2,100	2,778	3,885	5,575	6,080	3,511	3,554	2,803	1,669	1,199	1,310	1,776
1962	Below Normal	2,151	2,565	3,887	5,630	6,084	5,255	3,555	2,804	1,669	1,200	1,311	1,778
1963	Wet	2,208	2,618	3,946	5,728	6,202	5,340	3,583	2,822	1,683	1,219	1,343	1,756
1964	Dry	2,247	2,742	3,875	5,609	6,059	4,976	3,549	2,800	1,667	1,196	1,304	1,769
1965	Wet	2,260	2,581	4,947	7,369	8,171	4,820	4,103	3,153	1,961	1,580	1,913	2,508
1966	Below Normal	2,230	2,222	3,967	5,763	6,244	5,371	3,593	2,828	1,688	1,225	1,355	1,834
1967	Wet	3,010	3,392	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1968	Below Normal	2,028	2,532	3,555	5,075	5,417	4,775	3,397	2,704	1,593	1,095	1,126	1,545
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1970	Wet	2,528	2,811	4,437	6,533	7,167	6,047	3,839	2,984	1,820	1,397	1,623	2,157
1971	Wet	1,972	2,282	3,542	5,053	5,390	4,755	3,391	2,700	1,590	1,091	1,119	1,482
1972	Below Normal	2,201	2,407	3,746	5,395	5,801	5,052	3,488	2,762	1,637	1,155	1,232	1,679
1973	Above Normal	2,297	2,809	4,217	6,173	6,736	5,730	3,722	2,910	1,756	1,315	1,497	2,006
1974	Wet	2,898	3,229	5,243	7,864	8,767	5,806	4,243	3,241	2,029	1,674	2,078	2,716
1975	Wet	2,435	3,054	4,407	6,484	7,110	5,048	3,823	2,974	1,812	1,386	1,606	2,063
1976	Critical	1,754	2,054	2,896	3,988	4,111	3,824	3,065	2,493	1,421	866	753	1,088
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917
1978	Above Normal	2,597	3,863	5,412	7,725	9,106	7,454	4,324	3,292	2,068	1,728	2,172	2,835
1979	Below Normal	2,184	2,782	4,187	6,124	6,677	5,687	3,706	2,900	1,748	1,304	1,480	1,917
1980	Above Normal	2,971	3,746	4,985	7,531	8,872	7,286	4,139	3,257	2,041	1,691	2,107	2,753
1981	Dry	2,123	2,366	3,731	5,369	5,769	5,029	3,481	2,757	1,634	1,150	1,224	1,668
1982	Wet	3,091	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868
1984	Wet	2,529	2,952	4,418	6,502	7,131	6,020	3,829	2,978	1,815	1,390	1,613	2,144
1985	Dry	2,230	2,497	3,953	5,740	6,216	5,351	3,586	2,824	1,685	1,221	1,347	1,824
1986	Wet	2,458	3,277	4,627	6,421	7,539	6,320	3,939	3,049	1,875	1,467	1,732	2,287
1987	Dry	1,564	2,352	3,313	4,672	4,931	4,425	3,283	2,632	1,538	1,018	991	1,328
1988	Critical	1,526	1,747	2,467	3,288	3,270	3,208	2,838	2,348	1,297	707	508	794
1989	Dry	1,512	2,278	3,547	5,062	5,401	4,164	3,394	2,702	1,591	1,092	1,121	1,539
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776
1991	Critical	1,568	1,741	2,654	3,750	3,977	3,560	2,593	2,056	1,223	832	813	1,079
1992	Critical	1,605	2,085	2,921	3,869	4,508	3,946	2,727	1,921	1,292	924	964	1,303
1993	Above Normal	2,221	2,940	3,921	5,775	6,764	5,714	3,730	2,915	1,761	1,320	1,505	2,016
1994	Critical	2,154	2,661	3,727	5,294	6,059	4,378	3,120	2,390	1,487	1,189	1,415	1,865
1995	Wet	2,872	3,893	5,446	7,781	9,173	7,503	4,340	3,302	2,075	1,738	2,191	2,760
1996	Wet	2,515	2,924	4,710	6,978	7,702	5,862	3,983	3,077	1,899	1,498	1,779	2,344
1997	Wet	2,799	3,118	4,681	7,022	8,261	5,593	4,124	3,166	1,971	1,594	1,938	2,540
1998	Wet	2,967	3,961	5,604	8,467	9,492	7,732	4,415	3,350	2,112	1,789	2,279	2,970
1999	Wet	2,194	2,711	4,083	5,954	6,474	5,538	3,651	2,865	1,718	1,265	1,420	1,848
2000	Above Normal	2,205	2,726	4,097	5,978	6,502	5,559	3,659	2,870	1,722	1,271	1,429	1,924
2001	Dry	2,134	2,386	3,713	5,339	5,734	5,003	3,472	2,752	1,629	1,145	1,214	1,655
2002	Dry	2,108	2,319	3,591	5,136	5,489	4,827	3,415	2,715	1,602	1,106	1,146	1,570
2003	Above Normal	2,227	2,623	3,951	5,736	6,211	5,347	3,585	n/a	n/a	n/a	n/a	n/a

Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)

Alternative 5 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	2,875	3,620	5,250	7,886	8,792	6,976	4,228	3,244	2,028	1,686	2,034	2,730		
1923	Below Normal	2,293	2,648	4,038	5,894	6,399	5,466	3,602	2,849	1,701	1,260	1,415	1,829		
1924	Critical	1,537	1,817	2,544	3,571	3,763	3,403	2,535	2,020	1,191	791	750	1,042		
1925	Dry	2,143	2,345	3,672	5,284	5,666	4,937	3,427	2,739	1,617	1,145	1,213	1,638		
1926	Dry	2,038	2,214	3,408	4,844	5,136	4,555	3,301	2,660	1,556	1,061	1,067	1,453		
1927	Wet	2,340	2,790	4,207	6,175	6,737	5,711	3,685	2,901	1,742	1,315	1,510	1,943		
1928	Above Normal	2,231	2,609	4,099	5,997	6,523	5,555	3,631	2,867	1,715	1,280	1,450	1,938		
1929	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1930	Dry	1,879	2,360	3,325	4,692	4,955	4,442	3,288	2,635	1,541	1,022	998	1,384		
1931	Critical	1,484	1,746	2,446	3,410	3,569	3,261	2,483	1,986	1,163	755	694	941		
1932	Dry	1,726	1,919	2,881	4,138	4,443	3,881	2,681	2,128	1,277	920	962	1,286		
1933	Critical	1,486	1,623	2,458	3,450	3,616	3,274	2,455	1,985	1,153	764	721	997		
1934	Critical	1,545	1,828	2,560	3,597	3,793	3,426	2,544	2,025	1,196	797	759	1,053		
1935	Below Normal	1,600	1,783	3,539	5,061	5,397	4,744	3,366	2,699	1,586	1,102	1,138	1,491		
1936	Below Normal	2,325	2,640	4,001	5,832	6,325	5,412	3,585	2,838	1,692	1,248	1,292	1,755		
1937	Below Normal	1,768	2,486	3,556	5,285	5,667	4,938	3,429	2,740	1,617	1,086	1,110	1,525		
1938	Wet	3,198	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1939	Dry	1,962	2,550	3,614	5,186	5,548	3,603	3,401	2,722	1,604	1,126	1,180	1,542		
1940	Above Normal	2,179	2,650	4,061	5,933	6,446	5,500	3,613	2,856	1,706	1,267	1,326	1,810		
1941	Wet	2,729	3,427	4,723	7,104	8,357	6,901	4,125	3,179	1,979	1,618	1,897	2,578		
1942	Wet	2,868	3,619	5,277	7,930	8,845	6,532	4,240	3,252	2,034	1,695	2,031	2,748		
1943	Wet	2,910	3,519	5,239	7,868	8,771	7,190	4,220	3,240	2,025	1,684	2,094	2,629		
1944	Dry	2,047	2,226	3,428	4,877	5,176	4,584	3,313	2,666	1,561	1,067	1,076	1,467		
1945	Below Normal	2,303	2,995	4,502	6,657	7,316	6,135	3,841	3,001	1,827	1,425	1,679	2,215		
1946	Below Normal	2,506	2,990	4,484	6,628	7,281	6,109	3,832	2,995	1,822	1,419	1,669	2,202		
1947	Dry	2,142	2,595	4,062	5,934	6,447	5,501	3,614	2,856	1,706	1,267	1,429	1,845		
1948	Below Normal	1,802	2,083	3,182	4,456	4,672	4,236	3,217	2,590	1,504	973	918	1,285		
1949	Dry	2,160	2,856	4,503	6,658	7,316	6,137	3,845	3,002	1,828	1,425	1,678	2,214		
1950	Below Normal	2,087	2,425	3,769	5,446	5,860	5,077	3,474	2,768	1,639	1,114	1,160	1,706		
1951	Above Normal	2,615	3,042	4,558	6,749	7,426	6,216	3,871	3,020	1,843	1,446	1,711	2,090		
1952	Wet	3,058	3,783	5,606	8,442	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1953	Wet	2,075	2,469	3,851	5,582	6,024	5,196	3,514	2,793	1,658	1,201	1,311	1,763		
1954	Above Normal	2,197	2,488	3,873	5,619	6,068	5,101	3,523	2,799	1,663	1,208	1,324	1,779		
1955	Dry	2,345	2,582	4,039	5,897	6,402	5,467	3,601	2,849	1,701	1,261	1,418	1,712		
1956	Wet	2,936	3,563	4,827	7,277	8,566	7,052	4,174	3,210	2,002	1,651	2,036	2,651		
1957	Above Normal	2,113	2,191	3,362	4,768	5,046	4,490	3,280	2,645	1,544	1,044	1,039	1,421		
1958	Wet	2,971	3,756	5,194	7,878	9,290	7,587	4,367	3,320	2,089	1,757	2,223	2,899		
1959	Below Normal	1,987	2,335	3,651	5,249	5,624	4,907	3,419	2,733	1,612	1,138	1,201	1,567		
1960	Dry	1,941	2,559	3,568	5,097	5,442	3,532	3,403	2,708	1,596	1,099	1,133	1,554		
1961	Dry	2,100	2,777	3,884	5,574	6,078	3,510	3,554	2,803	1,669	1,199	1,309	1,776		
1962	Below Normal	2,239	2,656	4,034	5,887	6,391	5,460	3,601	2,848	1,700	1,259	1,413	1,891		
1963	Wet	2,287	2,697	4,075	5,956	6,024	5,520	3,620	2,860	1,709	1,272	1,436	1,854		
1964	Dry	2,338	2,836	4,027	5,875	6,377	5,186	3,597	2,846	1,698	1,256	1,409	1,886		
1965	Wet	2,329	2,645	4,978	7,434	8,249	4,899	4,093	3,162	1,965	1,602	1,952	2,541		
1966	Below Normal	2,328	2,607	4,084	5,971	6,492	5,533	3,624	2,863	1,711	1,274	1,441	1,926		
1967	Wet	3,073	3,783	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1968	Below Normal	2,027	2,620	3,699	5,328	5,718	4,976	3,441	2,747	1,623	1,152	1,124	1,543		
1969	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1970	Wet	2,528	2,898	4,576	6,777	7,459	6,242	3,882	3,026	1,849	1,452	1,720	2,265		
1971	Wet	2,059	2,372	3,687	5,308	5,694	4,958	3,436	2,744	1,620	1,149	1,220	1,591		
1972	Below Normal	2,281	2,490	3,880	5,630	6,082	5,239	3,530	2,802	1,665	1,209	1,326	1,783		
1973	Above Normal	2,385	2,900	4,363	6,429	7,042	5,935	3,767	2,954	1,787	1,373	1,599	2,119		
1974	Wet	2,905	3,665	5,161	7,985	8,910	5,811	4,250	3,261	2,041	1,707	2,135	2,772		
1975	Wet	2,532	3,157	4,571	6,770	7,451	5,269	3,878	3,024	1,847	1,451	1,719	2,184		
1976	Critical	1,846	2,149	3,048	4,256	4,431	4,038	3,112	2,538	1,452	927	861	1,206		
1977	Critical	1,439	1,686	2,362	3,273	3,405	3,140	2,439	1,958	1,138	723	646	917		
1978	Above Normal	2,569	3,794	5,256	7,670	9,038	7,392	4,286	3,280	2,056	1,725	2,167	2,816		
1979	Below Normal	2,247	2,866	4,322	6,361	6,961	5,876	3,748	2,941	1,776	1,358	1,481	1,918		
1980	Above Normal	2,955	3,722	5,068	7,678	9,049	7,400	4,288	3,282	2,057	1,727	2,170	2,820		
1981	Dry	2,215	2,420	3,813	5,519	5,948	5,141	3,496	2,782	1,649	1,189	1,290	1,736		
1982	Wet	3,133	3,961	5,606	8,048	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,971		
1983	Wet	3,127	3,961	5,606	8,469	9,495	7,734	4,416	3,350	2,112	1,789	2,280	2,868		
1984	Wet	2,529	3,024	4,536	6,708	7,377	6,184	3,865	3,013	1,839	1,437	1,695	2,235		
1985	Dry	2,318	2,588	4,100	5,997	6,524	5,556	3,632	2,868	1,715	1,280	1,450	1,938		
1986	Wet	2,440	3,277	4,627	6,627	7,785	6,484	3,976	3,084	1,899	1,514	1,814	2,378		
1987	Dry	1,643	2,436	3,450	4,913	5,220	4,616	3,324	2,673	1,566	1,074	1,089	1,431		
1988	Critical	1,520	1,740	2,457	3,272	3,251	3,194	2,832	2,345	1,294	703	502	787		
1989	Dry	1,512	2,284	3,545	5,059	5,397	4,253	3,393	2,701	1,591	1,092	1,121	1,538		
1990	Critical	1,512	1,728	2,441	3,246	3,220	3,171	2,824	2,339	1,289	697	493	776		
1991	Critical	1,568	1,740	2,652	3,747	3,973	3,558	2,592	2,056	1,222	831	812	1,077		
1992	Critical	1,604	2,082	2,918	3,869	4,502	3,942	2,726	1,921	1,291	923	962	1,301		
1993	Above Normal	2,306	3,022	4,055	6,012	7,047	5,903	3,768	2,955	1,787	1,374	1,601	2,121		
1994	Critical	2,245	2,756	3,880	5,561	6,383	4,589	3,167	2,436	1,519	1,250	1,521	1,983		
1995	Wet	2,921	3,802	5,276	7,704	9,080	7,422	4,296	3,287	2,061	1,732	2,179	2,733		
1996	Wet	2,597	3,007	4,849	7,221	7,992	5,493	4,032	3,119	1,930	1,553	1,960	2,360		
1997	Wet	2,854	3,467	4,748	7,145	8,407	5,008	4,137	3,186	1,984	1,625	1,992	2,595		
1998	Wet	2,999	3,934	5,515	8,317	9,312	7,603	4,372	3,323	2,091	1,760	2,229	2,907		
1999	Wet	2,203	2,807	4,235	6,219	6,970	5,751	3,702	2,911	1,751	1,326	1,525	1,960		
2000	Above Normal	2,291	2,814	4,241	6,230	6,804	5,759	3,703	2,913	1,751	1,328	1,530	2,035		
2001	Dry	2,223	2,478	3,862	5,600	6,046	5,211	3,519	2,796	1,660	1,204	1,317	1,771		
2002	Dry	2,181	2,394	3,712	5,348	5,743	4,996	3,452	2,751	1,627	1,155	1,231	1,664		
2003	Above Normal	2,317	2,715	4,100	5,999	6,526	5,556	3,631	n/a	n/a	n/a	n/a	n/a		

Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	65	61	100	178	212	-99	28	30	20	41	8	79
1923	Below Normal	78	77	126	223	267	176	36	38	26	52	91	96
1924	Critical	18	25	35	57	68	50	18	12	10	13	20	24
1925	Dry	59	8	0	13	14	-7	-26	0	-3	13	22	11
1926	Dry	149	160	260	444	531	368	103	82	62	101	169	192
1927	Wet	72	67	113	202	242	157	28	33	21	46	83	87
1928	Above Normal	97	122	154	270	323	215	48	46	32	61	107	119
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	7	8	12	19	23	17	5	3	3	4	6	8
1931	Critical	2	2	3	6	7	5	2	1	1	1	2	2
1932	Dry	88	91	146	257	307	205	45	44	30	59	102	113
1933	Critical	94	99	159	279	333	223	50	48	33	64	111	123
1934	Critical	1	2	2	3	4	3	1	1	1	1	1	1
1935	Below Normal	88	91	151	266	318	212	48	45	31	60	105	113
1936	Below Normal	88	293	147	258	308	205	45	44	30	59	0	0
1937	Below Normal	87	0	25	249	298	198	43	42	29	-2	-3	-3
1938	Wet	70	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-39	-3	10	30	35	-1,038	-19	3	-1	16	27	18
1940	Above Normal	130	152	235	406	486	334	88	71	51	87	49	76
1941	Wet	51	39	69	125	149	94	14	21	13	32	-27	57
1942	Wet	66	66	108	190	227	107	32	32	22	44	-5	84
1943	Wet	61	406	111	197	236	148	32	33	23	46	81	85
1944	Dry	76	77	122	217	259	170	34	37	25	51	89	96
1945	Below Normal	69	43	80	149	177	109	10	21	11	34	64	68
1946	Below Normal	61	54	95	174	208	132	18	27	16	40	73	79
1947	Dry	91	97	158	276	331	222	51	47	33	62	109	117
1948	Below Normal	0	-4	-7	-11	-13	-10	-4	-2	-2	-3	-4	-5
1949	Dry	81	86	138	242	290	194	44	42	29	55	96	107
1950	Below Normal	91	94	151	266	317	211	46	45	31	-1	-1	117
1951	Above Normal	88	91	146	257	307	205	45	44	30	59	102	24
1952	Wet	67	391	0	0	0	0	0	0	0	0	0	0
1953	Wet	-32	52	78	142	169	105	13	23	15	37	64	65
1954	Above Normal	98	102	166	290	347	227	54	50	35	65	114	128
1955	Dry	93	95	153	270	323	215	47	46	32	62	108	-3
1956	Wet	-31	73	117	206	246	164	36	35	24	47	82	91
1957	Above Normal	88	91	146	257	307	205	45	44	30	59	102	113
1958	Wet	88	463	-92	-154	-185	-133	-44	-28	-21	-29	-51	-65
1959	Below Normal	9	393	137	241	288	191	41	41	28	56	97	103
1960	Dry	0	1	2	3	3	-8	1	0	0	0	1	1
1961	Dry	0	-1	-1	-1	-2	-1	0	0	0	0	0	-1
1962	Below Normal	88	91	147	258	308	205	45	44	30	59	103	114
1963	Wet	79	79	129	228	272	180	37	39	26	53	93	98
1964	Dry	91	95	152	266	318	210	48	46	31	60	106	117
1965	Wet	69	64	32	66	77	79	-9	9	4	22	39	33
1966	Below Normal	98	385	117	208	248	162	31	35	23	49	86	93
1967	Wet	64	391	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	89	144	252	302	201	44	43	30	58	-2	-2
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	86	139	244	292	195	43	42	29	56	97	108
1971	Wet	87	90	145	255	304	203	45	43	30	58	102	109
1972	Below Normal	80	83	134	235	281	187	42	40	28	54	94	104
1973	Above Normal	88	91	146	257	307	205	45	44	30	58	102	113
1974	Wet	7	436	-82	121	144	5	7	19	12	33	57	56
1975	Wet	97	103	164	285	341	221	55	50	35	65	112	121
1976	Critical	92	94	153	268	321	214	47	46	31	61	107	118
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-28	-69	-156	-55	-68	-62	-38	-12	-12	-3	-5	-19
1979	Below Normal	63	84	135	237	284	189	42	41	28	54	1	1
1980	Above Normal	-16	-24	82	148	176	114	149	25	16	36	63	66
1981	Dry	91	54	82	150	179	112	15	25	16	38	67	68
1982	Wet	42	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	73	117	206	246	164	36	35	24	47	82	91
1985	Dry	88	91	146	257	307	205	45	44	30	59	102	113
1986	Wet	-17	0	0	206	246	164	36	35	24	47	82	91
1987	Dry	79	84	137	241	288	191	41	41	28	56	97	103
1988	Critical	-5	-7	-10	-16	-19	-14	-5	-3	-3	-4	-6	-7
1989	Dry	0	7	-2	-3	-3	90	-1	-1	0	-1	-1	-1
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	-1	-2	-3	-4	-3	-1	-1	-1	-1	-1	-1
1992	Critical	-1	-3	-3	0	-6	-4	-1	0	-1	-1	-2	-2
1993	Above Normal	85	82	134	237	283	190	39	40	27	54	95	105
1994	Critical	91	95	153	267	324	210	48	46	32	61	106	118
1995	Wet	49	-91	-169	-77	-94	-81	-44	-16	-15	-7	-12	-27
1996	Wet	82	83	140	242	290	-369	48	43	31	55	13	15
1997	Wet	56	349	67	122	145	-585	13	20	13	31	54	56
1998	Wet	32	-27	-89	-149	-179	-129	-42	-27	-20	-28	-50	-63
1999	Wet	9	96	152	265	317	213	51	46	33	60	104	112
2000	Above Normal	86	89	143	252	302	201	44	43	29	57	101	111
2001	Dry	89	92	149	261	312	208	46	45	31	59	104	115
2002	Dry	73	75	121	212	254	169	37	36	25	48	85	94
2003	Above Normal	90	93	150	263	314	209	46	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated CVP South of Delta Deliveries (Node DEL_CVP_TOTAL_S)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2%	2%	2%	2%	2%	-1%	1%	1%	1%	3%	0%	3%
1923	Below Normal	4%	3%	3%	4%	4%	3%	1%	1%	2%	4%	7%	6%
1924	Critical	1%	1%	1%	2%	2%	1%	1%	1%	1%	2%	3%	2%
1925	Dry	3%	0%	0%	0%	0%	0%	-1%	0%	0%	1%	2%	1%
1926	Dry	8%	8%	8%	10%	12%	9%	3%	3%	4%	11%	19%	15%
1927	Wet	3%	2%	3%	3%	4%	3%	1%	1%	1%	4%	6%	5%
1928	Above Normal	5%	5%	4%	5%	5%	4%	1%	2%	2%	5%	8%	7%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	5%	5%	5%	7%	7%	6%	2%	2%	2%	7%	12%	10%
1933	Critical	7%	6%	7%	9%	10%	7%	2%	2%	3%	9%	18%	14%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Normal	6%	5%	4%	6%	6%	5%	1%	2%	2%	6%	10%	8%
1936	Below Normal	4%	12%	4%	5%	5%	4%	1%	2%	2%	5%	0%	0%
1937	Below Normal	5%	0%	1%	5%	6%	4%	1%	2%	2%	0%	0%	0%
1938	Wet	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-2%	0%	0%	1%	1%	-22%	-1%	0%	0%	1%	2%	1%
1940	Above Normal	6%	6%	6%	7%	8%	6%	2%	3%	3%	7%	4%	4%
1941	Wet	2%	1%	1%	2%	2%	1%	0%	1%	1%	2%	-1%	2%
1942	Wet	2%	2%	2%	2%	3%	2%	1%	1%	1%	3%	0%	3%
1943	Wet	2%	13%	2%	3%	3%	2%	1%	1%	1%	3%	4%	3%
1944	Dry	4%	4%	4%	5%	5%	4%	1%	1%	2%	5%	9%	7%
1945	Below Normal	3%	1%	2%	2%	2%	2%	0%	1%	1%	2%	4%	3%
1946	Below Normal	2%	2%	2%	3%	3%	2%	0%	1%	1%	3%	5%	4%
1947	Dry	4%	4%	4%	5%	5%	4%	1%	2%	2%	5%	8%	7%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	4%	3%	3%	4%	4%	3%	1%	1%	2%	4%	6%	5%
1950	Below Normal	5%	4%	4%	5%	6%	4%	1%	2%	2%	0%	4%	7%
1951	Above Normal	3%	3%	3%	4%	4%	3%	1%	1%	2%	4%	6%	1%
1952	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-2%	2%	2%	3%	3%	2%	0%	1%	1%	3%	5%	4%
1954	Above Normal	5%	4%	4%	5%	6%	5%	2%	2%	2%	6%	9%	8%
1955	Dry	4%	4%	4%	5%	5%	4%	1%	2%	2%	5%	8%	0%
1956	Wet	-1%	2%	2%	3%	3%	2%	1%	1%	1%	3%	4%	4%
1957	Above Normal	4%	4%	5%	6%	6%	5%	1%	2%	2%	6%	11%	9%
1958	Wet	3%	14%	-2%	-2%	-2%	-2%	-1%	-1%	-2%	-2%	-2%	-2%
1959	Below Normal	0%	20%	4%	5%	5%	4%	1%	2%	2%	5%	9%	7%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	4%	4%	4%	5%	5%	4%	1%	2%	2%	5%	8%	6%
1963	Wet	4%	3%	3%	4%	4%	3%	1%	2%	2%	4%	7%	6%
1964	Dry	4%	3%	4%	5%	5%	4%	1%	2%	2%	5%	8%	7%
1965	Wet	3%	2%	1%	1%	1%	2%	0%	0%	0%	1%	2%	1%
1966	Below Normal	4%	17%	3%	4%	4%	3%	1%	1%	1%	4%	6%	5%
1967	Wet	2%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	4%	4%	5%	6%	4%	1%	2%	2%	5%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	3%	3%	4%	4%	3%	1%	1%	2%	4%	6%	5%
1971	Wet	4%	4%	4%	5%	6%	4%	1%	2%	2%	5%	9%	7%
1972	Below Normal	4%	3%	4%	4%	5%	4%	1%	1%	2%	5%	8%	6%
1973	Above Normal	4%	3%	3%	4%	5%	4%	1%	2%	2%	4%	7%	6%
1974	Wet	0%	14%	-2%	2%	2%	0%	0%	1%	1%	2%	3%	2%
1975	Wet	4%	3%	4%	4%	5%	4%	1%	2%	2%	5%	7%	6%
1976	Critical	5%	5%	5%	7%	8%	6%	2%	2%	2%	7%	14%	11%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	-2%	-3%	-1%	-1%	-1%	-1%	0%	-1%	0%	0%	-1%
1979	Below Normal	3%	3%	3%	4%	4%	3%	1%	1%	2%	4%	0%	0%
1980	Above Normal	-1%	-1%	2%	2%	2%	2%	4%	1%	1%	2%	3%	2%
1981	Dry	4%	2%	2%	3%	3%	2%	0%	1%	1%	3%	5%	4%
1982	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	2%	3%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1985	Dry	4%	4%	4%	4%	5%	4%	1%	2%	2%	5%	8%	6%
1986	Wet	-1%	0%	0%	3%	3%	3%	1%	1%	1%	3%	5%	4%
1987	Dry	5%	4%	4%	5%	6%	4%	1%	2%	2%	5%	10%	8%
1988	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%	-1%	-1%
1989	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	4%	3%	3%	4%	4%	3%	1%	1%	2%	4%	6%	5%
1994	Critical	4%	4%	4%	5%	5%	5%	2%	2%	2%	5%	8%	6%
1995	Wet	2%	-2%	-3%	-1%	-1%	-1%	-1%	0%	-1%	0%	-1%	-1%
1996	Wet	3%	3%	3%	3%	4%	-6%	1%	1%	2%	4%	1%	1%
1997	Wet	2%	11%	1%	2%	2%	-10%	0%	1%	1%	2%	3%	2%
1998	Wet	1%	-1%	-2%	-2%	-2%	-2%	-1%	-1%	-1%	-2%	-2%	-2%
1999	Wet	0%	4%	4%	4%	5%	4%	1%	2%	2%	5%	7%	6%
2000	Above Normal	4%	3%	3%	4%	5%	4%	1%	1%	2%	5%	7%	6%
2001	Dry	4%	4%	4%	5%	5%	4%	1%	2%	2%	5%	9%	7%
2002	Dry	3%	3%	3%	4%	5%	4%	1%	1%	2%	4%	7%	6%
2003	Above Normal	4%	4%	4%	5%	5%	4%	1%	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,527	3,607	4,109	5,577	5,465	5,526	4,052	3,450	3,132	2,833	1,331	1,835
1923	Below Normal	2,349	2,950	3,873	5,504	5,899	5,443	3,738	2,895	2,566	2,160	382	521
1924	Critical	780	1,508	2,039	3,025	3,139	2,590	1,718	1,071	859	704	384	542
1925	Dry	1,233	3,063	4,038	5,754	6,281	5,662	3,859	2,895	2,556	2,106	383	647
1926	Dry	1,178	1,989	3,481	4,950	5,403	4,874	3,333	2,501	2,206	1,815	425	1,125
1927	Wet	2,818	3,790	4,346	5,838	5,712	5,770	4,286	3,679	3,350	3,033	412	752
1928	Above Normal	1,026	3,739	4,231	5,665	5,563	5,587	4,162	3,568	3,248	2,935	373	510
1929	Critical	630	1,250	1,854	2,743	2,846	2,348	1,534	989	791	647	377	658
1930	Dry	858	2,238	2,984	4,322	4,617	4,021	2,714	1,893	1,617	1,338	366	582
1931	Critical	738	1,739	2,349	3,482	3,609	2,980	1,962	1,206	1,013	829	428	753
1932	Dry	1,097	2,311	3,062	4,392	4,770	4,254	2,891	2,124	1,858	1,532	374	607
1933	Critical	948	1,992	2,797	4,114	4,307	3,628	2,419	1,573	1,292	1,068	382	523
1934	Critical	800	1,866	2,519	3,733	3,868	1,572	435	1,744	2,676	2,063	387	723
1935	Below Normal	1,041	3,056	4,055	4,627	5,544	5,908	4,086	3,068	2,723	2,235	416	801
1936	Below Normal	2,702	3,871	4,522	6,066	5,935	5,998	4,461	3,832	3,489	3,158	383	635
1937	Below Normal	1,610	4,043	4,644	6,357	6,228	6,297	4,557	3,848	3,481	3,159	1,183	1,813
1938	Wet	2,539	3,926	4,613	6,384	6,268	6,362	4,509	3,840	3,431	3,114	823	1,370
1939	Dry	2,135	3,102	3,999	4,066	6,436	5,009	4,438	3,430	2,306	3,264	367	553
1940	Above Normal	1,482	3,033	4,090	5,349	6,469	5,834	3,997	3,002	2,655	2,183	924	1,614
1941	Wet	2,341	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,275	1,867
1942	Wet	2,581	3,656	4,199	5,741	5,629	5,697	4,138	3,505	3,178	2,873	574	1,933
1943	Wet	2,716	4,155	4,771	6,511	6,376	6,462	4,696	3,992	3,610	3,271	355	468
1944	Dry	836	2,334	3,096	4,442	4,796	4,250	2,888	2,090	1,818	1,501	539	757
1945	Below Normal	2,701	3,866	4,347	5,838	5,713	5,770	4,286	3,679	3,349	3,033	1,380	1,968
1946	Below Normal	2,714	3,566	4,141	5,583	5,467	5,532	4,092	3,505	3,188	2,881	447	753
1947	Dry	1,128	3,491	4,248	5,872	6,097	5,778	4,113	3,306	2,968	2,567	380	501
1948	Below Normal	642	1,884	3,071	2,628	6,144	5,586	3,974	3,003	2,679	2,190	546	755
1949	Dry	1,096	3,519	4,238	5,836	6,016	5,745	4,112	3,334	3,000	2,611	385	527
1950	Below Normal	866	2,754	3,631	2,278	6,288	5,694	3,994	2,999	2,655	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,244	4,056	5,547	5,452	5,550	3,989	3,405	3,021	2,725	1,405	1,960
1953	Wet	2,563	3,210	3,833	5,292	5,399	5,238	3,749	3,078	2,771	2,431	537	919
1954	Above Normal	1,933	3,060	4,045	5,702	6,198	5,752	3,918	2,940	2,595	2,137	469	809
1955	Dry	1,271	2,558	3,379	4,825	5,271	4,741	3,229	2,416	2,130	1,754	1,384	2,051
1956	Wet	2,957	4,159	4,747	6,426	6,288	6,377	4,687	4,004	3,638	3,290	520	759
1957	Above Normal	1,255	2,527	2,752	1,661	6,187	5,552	3,802	2,841	2,518	2,060	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	440	919
1959	Below Normal	1,904	2,911	3,845	4,092	6,297	5,688	3,935	2,958	2,623	2,152	365	482
1960	Dry	912	3,307	4,291	5,108	6,762	5,303	4,565	3,488	3,113	2,570	374	584
1961	Dry	814	2,737	3,608	4,976	5,638	4,652	2,598	1,201	2,972	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,632	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	377	1,622
1964	Dry	2,589	3,769	4,245	5,705	5,583	5,644	4,190	3,595	3,273	2,961	1,096	1,793
1965	Wet	2,178	3,417	3,918	5,233	5,272	5,266	3,872	3,281	2,977	2,669	1,125	1,785
1966	Below Normal	2,124	2,983	3,913	5,415	6,091	5,557	3,795	2,896	2,560	2,130	373	1,935
1967	Wet	2,718	3,907	4,557	6,218	6,088	6,165	4,485	3,804	3,449	3,122	1,249	1,931
1968	Below Normal	2,482	3,113	3,855	5,403	5,659	5,346	3,745	2,985	2,666	2,291	1,120	1,814
1969	Wet	2,518	3,821	4,418	5,979	5,868	5,970	4,352	3,746	3,351	3,015	1,293	1,916
1970	Wet	2,759	3,655	4,260	5,740	5,619	5,687	4,210	3,607	3,281	2,965	1,311	1,706
1971	Wet	1,740	2,850	3,835	5,481	6,026	5,440	3,680	2,768	2,436	2,009	472	1,512
1972	Below Normal	2,358	3,119	3,998	5,664	6,077	5,587	3,848	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,798	3,745	4,372	5,880	5,754	5,818	4,316	3,702	3,370	3,049	1,336	1,986
1974	Wet	2,729	3,925	4,515	6,170	6,045	6,126	4,450	3,773	3,420	3,094	599	933
1975	Wet	2,766	3,788	4,260	5,723	5,600	5,655	4,200	3,605	3,283	2,973	434	740
1976	Critical	1,117	2,876	3,794	3,853	6,224	4,809	4,177	3,150	2,811	2,293	373	510
1977	Critical	631	774	402	186	208	215	1,288	571	1,957	3,126	370	883
1978	Above Normal	2,300	3,405	3,992	5,393	5,281	5,330	3,929	3,355	3,048	2,761	503	764
1979	Below Normal	2,560	3,699	4,280	5,809	5,691	5,747	4,211	3,583	3,252	2,946	422	1,626
1980	Above Normal	2,477	3,770	4,353	5,883	5,774	5,873	4,286	3,697	3,295	2,976	396	1,064
1981	Dry	1,517	2,792	3,761	3,140	6,327	5,456	4,089	3,080	2,744	2,239	1,252	1,898
1982	Wet	2,755	4,237	4,929	6,769	6,638	6,733	4,821	4,132	3,700	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,894	2,611	1,397	1,829
1984	Wet	2,704	3,654	4,315	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,503	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,734	4,044	4,605	6,181	6,058	6,153	4,549	3,915	3,519	3,180	355	485
1987	Dry	599	1,935	2,611	3,859	3,995	3,303	2,191	1,371	1,103	907	388	629
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	383	590
1989	Dry	664	3,163	4,234	5,245	6,723	5,805	4,274	3,218	2,855	2,341	374	568
1990	Critical	774	1,677	2,266	3,361	3,485	2,876	1,906	1,189	954	784	380	520
1991	Critical	642	1,318	1,714	2,035	2,936	2,421	1,652	1,016	791	676	379	501
1992	Critical	642	1,282	1,735	2,573	1,005	218	2,045	2,139	740	2,385	374	1,742
1993	Above Normal	2,370	3,319	3,999	4,658	5,852	5,626	4,052	3,305	2,980	2,593	537	730
1994	Critical	1,195	2,607	3,444	4,515	5,458	3,046	3,425	1,254	2,268	3,679	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,022	3,641	3,301	878	1,423
1996	Wet	2,620	3,857	4,356	5,869	5,745	5,809	4,298	3,682	3,350	3,030	1,248	1,834
1997	Wet	2,484	3,793	4,383	6,026	5,909	5,987	4,314	3,637	3,290	2,977	454	1,762
1998	Wet	2,504	3,709	4,709	6,504	6,384	6,471	4,590	3,918	3,498	3,180	1,292	1,738
1999	Wet	2,685	3,681	4,284	5,770	5,648	5,716	4,234	3,629	3,301	2,983	516	844
2000	Above Normal	1,772	3,218	4,142	5,852	6,271	5,759	3,978	3,067	2,725	2,291	359	491
2001	Dry	800	1,977	2,668	3,950	4,091	3,380	2,238	1,399	1,125	925	351	911
2002	Dry	1,399	3,820	4,274	5,716	5,591	5,639	4,209	3,623	2,588	3,683	446	952
2003	Above Normal	1,414	2,615	3,457	2,667	5,863	5,299	3,716	n/a	n/a	n/a	n/a	n/a

Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)

Alternative 5 (cfs)

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	2,527	3,608	4,109	5,578	5,466	5,527	4,052	3,450	3,133	2,833	1,331	1,833
1923	Below Normal	2,342	2,948	3,873	5,506	5,905	5,445	3,738	2,893	2,564	2,158	371	510
1924	Critical	766	1,477	1,997	2,964	3,075	2,537	1,684	1,050	842	690	384	537
1925	Dry	1,225	3,073	4,051	5,772	6,300	5,680	3,871	2,904	2,565	2,113	383	644
1926	Dry	1,174	1,983	3,471	4,936	5,387	4,860	3,324	2,493	2,199	1,810	426	1,117
1927	Wet	2,819	3,795	4,351	5,844	5,719	5,776	4,291	3,683	3,354	3,037	413	751
1928	Above Normal	1,026	3,736	4,232	5,668	5,569	5,589	4,162	3,566	3,245	2,932	373	510
1929	Critical	630	1,250	1,853	2,742	2,844	2,347	1,537	987	790	646	377	658
1930	Dry	858	2,238	2,984	4,322	4,616	4,020	2,714	1,893	1,616	1,338	366	584
1931	Critical	739	1,742	2,354	3,488	3,615	2,985	1,978	1,210	1,006	825	429	753
1932	Dry	1,099	2,314	3,066	4,395	4,777	4,263	2,897	2,132	1,867	1,539	373	607
1933	Critical	939	1,980	2,782	4,096	4,281	3,596	2,395	1,548	1,267	1,047	382	523
1934	Critical	805	1,875	2,531	3,751	3,887	1,614	436	1,606	2,755	2,122	387	723
1935	Below Normal	1,041	3,038	4,032	4,528	6,519	5,889	4,076	3,062	2,719	2,232	420	811
1936	Below Normal	2,705	3,869	4,521	6,065	5,933	5,997	4,459	3,831	3,488	3,157	383	602
1937	Below Normal	1,607	4,001	4,606	6,316	6,190	6,258	4,519	3,809	3,444	3,126	1,165	1,807
1938	Wet	2,516	3,893	4,578	6,337	6,223	6,316	4,475	3,809	3,403	3,089	623	1,191
1939	Dry	1,963	3,182	4,071	4,406	6,437	4,993	4,462	3,463	1,891	3,478	368	555
1940	Above Normal	1,479	3,032	4,089	5,342	6,467	5,833	3,996	3,001	2,654	2,183	924	1,614
1941	Wet	2,340	3,499	4,153	5,725	5,622	5,706	4,095	3,430	3,072	2,772	1,274	1,860
1942	Wet	2,569	3,633	4,167	5,690	5,579	5,645	4,108	3,483	3,159	2,856	510	1,924
1943	Wet	2,704	4,137	4,740	6,462	6,327	6,411	4,671	3,964	3,588	3,252	355	468
1944	Dry	850	2,327	3,087	4,433	4,782	4,232	2,874	2,074	1,801	1,487	538	757
1945	Below Normal	2,660	3,870	4,352	5,844	5,718	5,776	4,291	3,683	3,353	3,036	1,380	1,968
1946	Below Normal	2,726	3,582	4,159	5,608	5,491	5,556	4,111	3,520	3,202	2,894	454	744
1947	Dry	1,119	3,480	4,249	5,881	6,121	5,787	4,111	3,295	2,957	2,552	380	502
1948	Below Normal	642	1,887	3,125	2,628	6,155	5,596	3,979	3,007	2,681	2,192	545	754
1949	Dry	1,094	3,517	4,239	5,839	6,023	5,748	4,112	3,332	2,997	2,607	385	527
1950	Below Normal	867	2,753	3,631	2,275	6,290	5,695	3,991	2,997	2,654	2,177	1,499	2,042
1951	Above Normal	2,732	3,621	4,282	5,776	5,655	5,723	4,231	3,623	3,295	2,978	1,066	1,515
1952	Wet	2,142	3,243	3,882	5,388	5,292	5,373	3,825	3,184	2,859	2,579	1,431	1,959
1953	Wet	2,536	3,209	3,835	5,272	5,334	5,218	3,759	3,112	2,808	2,479	531	924
1954	Above Normal	2,000	3,083	4,077	5,834	6,212	5,786	3,937	2,955	2,607	2,148	473	805
1955	Dry	1,266	2,537	3,352	4,787	5,230	4,704	3,203	2,397	2,113	1,740	1,358	2,053
1956	Wet	2,959	4,162	4,749	6,428	6,290	6,380	4,689	4,006	3,640	3,292	520	759
1957	Above Normal	1,254	2,529	2,761	1,661	6,175	5,546	3,808	2,848	2,525	2,066	436	1,976
1958	Wet	2,829	4,376	5,062	6,920	6,782	6,872	4,945	4,257	3,816	3,466	462	903
1959	Below Normal	1,784	2,836	3,747	3,554	6,227	5,627	3,914	2,944	2,615	2,141	365	482
1960	Dry	923	3,319	4,292	5,208	6,719	5,385	4,508	3,458	3,086	2,556	374	584
1961	Dry	815	2,743	3,617	4,988	5,651	4,687	2,598	1,202	2,973	3,157	385	527
1962	Below Normal	1,380	2,778	3,702	2,633	6,333	5,734	4,024	3,030	2,688	2,204	1,398	1,962
1963	Wet	2,640	3,535	4,111	5,545	5,430	5,494	4,063	3,478	3,164	2,858	378	1,627
1964	Dry	2,591	3,767	4,243	5,702	5,581	5,642	4,189	3,594	3,271	2,959	1,100	1,792
1965	Wet	2,152	3,416	3,922	5,195	5,294	5,282	3,882	3,286	2,982	2,671	1,126	1,783
1966	Below Normal	2,121	2,982	3,913	5,413	6,093	5,558	3,796	2,896	2,560	2,130	372	1,935
1967	Wet	2,719	3,908	4,545	6,199	6,071	6,146	4,474	3,795	3,441	3,116	1,218	1,911
1968	Below Normal	2,437	3,054	3,859	5,454	5,793	5,396	3,736	2,927	2,603	2,209	1,138	1,791
1969	Wet	2,504	3,803	4,399	5,955	5,845	5,948	4,334	3,737	3,337	2,994	1,293	1,916
1970	Wet	2,758	3,655	4,267	5,750	5,629	5,697	4,217	3,613	3,287	2,971	1,309	1,702
1971	Wet	1,728	2,843	3,825	5,426	6,019	5,434	3,679	2,767	2,436	2,008	476	1,517
1972	Below Normal	2,359	3,119	3,997	5,662	6,074	5,585	3,847	2,969	2,635	2,214	398	2,004
1973	Above Normal	2,799	3,745	4,373	5,881	5,755	5,819	4,317	3,703	3,371	3,050	1,336	1,982
1974	Wet	2,724	3,873	4,429	6,036	5,915	5,987	4,367	3,711	3,367	3,045	596	935
1975	Wet	2,785	3,832	4,310	5,789	5,665	5,721	4,249	3,647	3,321	3,008	439	738
1976	Critical	1,110	2,856	3,769	3,828	6,182	4,805	4,140	3,121	2,784	2,271	373	510
1977	Critical	631	867	404	186	208	218	1,288	575	1,979	3,115	370	884
1978	Above Normal	2,234	3,332	4,001	5,480	5,515	5,410	3,912	3,253	2,939	2,611	481	761
1979	Below Normal	2,583	3,733	4,270	5,777	5,658	5,714	4,204	3,586	3,258	2,950	406	1,628
1980	Above Normal	2,444	3,564	4,189	5,720	5,613	5,697	4,139	3,492	3,138	2,834	355	1,092
1981	Dry	1,714	2,861	3,858	3,682	6,396	5,411	4,143	3,121	2,778	2,269	1,248	1,896
1982	Wet	2,751	4,238	4,930	6,770	6,639	6,734	4,822	4,133	3,701	3,357	1,069	1,505
1983	Wet	2,102	3,307	3,911	5,385	5,299	5,394	3,846	3,268	2,900	2,606	1,397	1,829
1984	Wet	2,702	3,654	4,316	5,811	5,688	5,757	4,266	3,658	3,329	3,008	1,191	975
1985	Dry	2,496	3,504	4,063	5,465	5,349	5,405	4,010	3,438	3,128	2,830	366	520
1986	Wet	2,711	4,046	4,607	6,184	6,061	6,156	4,551	3,920	3,525	3,178	355	486
1987	Dry	599	1,865	2,517	3,721	3,854	3,185	2,114	1,323	1,064	874	388	628
1988	Critical	651	1,285	1,740	2,585	2,685	2,213	1,471	916	733	600	382	589
1989	Dry	663	3,160	4,229	5,226	6,719	5,714	4,302	3,240	2,876	2,357	374	568
1990	Critical	774	1,678	2,267	3,361	3,485	2,877	1,906	1,190	955	784	380	520
1991	Critical	642	1,318	1,686	2,035	2,943	2,427	1,657	1,019	762	707	379	501
1992	Critical	642	1,282	1,735	2,573	967	218	2,044	2,135	737	2,430	374	1,740
1993	Above Normal	2,362	3,317	4,001	4,629	5,867	5,636	4,059	3,308	2,983	2,593	537	731
1994	Critical	1,196	2,607	3,444	4,520	5,458	3,046	3,424	1,253	2,268	3,678	380	1,532
1995	Wet	2,043	4,204	4,806	6,540	6,404	6,485	4,734	4,021	3,641	3,301	983	1,573
1996	Wet	2,549	3,767	4,251	5,721	5,600	5,665	4,199	3,600	3,276	2,962	1,254	1,841
1997	Wet	2,494	3,798	4,388	6,031	5,913	5,991	4,319	3,642	3,295	2,981	471	1,760
1998	Wet	2,501	3,706	4,389	6,065	5,948	6,024	4,315	3,617	3,264	2,958	1,316	1,800
1999	Wet	2,725	3,667	4,296	5,787	5,665	5,734	4,245	3,638	3,309	2,991	516	851
2000	Above Normal	1,739	3,197	4,142	5,867	6,313	5,772	3,973	3,045	2,701	2,261	359	491
2001	Dry	811	1,993	2,690	3,982	4,124	3,407	2,256	1,410	1,134	932	352	909
2002	Dry	1,397	3,808	4,261	5,699	5,573	5,621	4,196	3,612	2,658	3,596	448	954
2003	Above Normal	1,414	2,615	3,456	2,666	5,862	5,298	3,715	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	1	1	1	1	1	1	1	0	0	0	-3
1923	Below Normal	-6	-2	1	2	5	2	0	-2	-2	-3	-11	-11
1924	Critical	-14	-30	-41	-62	-64	-53	-34	-21	-17	-14	0	-5
1925	Dry	-8	10	13	18	20	18	12	9	8	7	0	-3
1926	Dry	-4	-6	-10	-14	-16	-14	-10	-7	-6	-5	1	-8
1927	Wet	1	5	5	7	7	7	5	4	4	4	1	-1
1928	Above Normal	-1	-2	1	3	6	2	0	-2	-3	-4	0	0
1929	Critical	0	0	-1	-1	-1	-1	3	-2	-2	-1	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	1
1931	Critical	2	3	4	6	6	5	16	4	-7	-5	0	0
1932	Dry	2	3	3	3	6	9	7	8	9	7	0	-1
1933	Critical	-9	-13	-16	-18	-26	-32	-24	-25	-25	-21	0	0
1934	Critical	5	9	12	18	19	42	2	-139	79	59	0	0
1935	Below Normal	0	-17	-23	-99	-25	-19	-10	-6	-4	-3	4	10
1936	Below Normal	2	-2	-1	-2	-2	-2	-2	-1	-1	-1	0	-34
1937	Below Normal	-2	-41	-38	-41	-39	-39	-39	-37	-37	-33	-18	-6
1938	Wet	-23	-33	-36	-47	-46	-45	-35	-31	-28	-25	-200	-179
1939	Dry	-172	80	72	339	1	-16	24	33	-415	213	1	2
1940	Above Normal	-3	-1	-2	-6	-2	-1	-1	-1	0	0	1	0
1941	Wet	-2	0	0	0	0	0	0	0	0	0	-1	-7
1942	Wet	-12	-23	-32	-51	-51	-51	-30	-22	-19	-18	-64	-9
1943	Wet	-12	-19	-31	-49	-49	-51	-25	-28	-21	-19	0	0
1944	Dry	14	-8	-9	-9	-14	-18	-14	-16	-17	-13	-1	1
1945	Below Normal	-41	5	5	6	5	5	5	4	4	4	0	0
1946	Below Normal	12	16	18	25	24	25	18	16	14	13	7	-8
1947	Dry	-9	-11	1	9	23	9	-1	-10	-11	-15	0	0
1948	Below Normal	0	2	54	0	12	10	5	4	2	2	-2	-1
1949	Dry	-3	-2	1	3	7	3	0	-2	-3	-4	0	0
1950	Below Normal	1	-1	-1	-3	2	1	-2	-2	-1	-1	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	-1	-1	-173	-159	-160	-177	-164	-221	-163	-145	26	-2
1953	Wet	-26	-1	2	-20	-64	-20	9	34	37	48	-5	5
1954	Above Normal	66	23	32	132	14	34	20	15	13	11	4	-4
1955	Dry	-6	-21	-27	-38	-42	-38	-26	-19	-17	-14	-26	1
1956	Wet	2	3	2	3	3	3	2	2	2	2	0	0
1957	Above Normal	-1	1	9	0	-12	-7	6	7	7	6	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	22	-16
1959	Below Normal	-120	-75	-98	-538	-70	-62	-20	-14	-9	-11	0	0
1960	Dry	11	12	1	100	-43	82	-57	-30	-27	-14	0	0
1961	Dry	0	6	8	12	13	35	0	0	1	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	5
1964	Dry	2	-2	-2	-2	-2	-2	-2	-2	-1	-1	4	-1
1965	Wet	-26	-2	3	-39	21	15	10	6	5	2	1	-2
1966	Below Normal	-3	0	0	-1	2	1	1	0	0	0	-1	1
1967	Wet	1	2	-12	-19	-18	-20	-12	-9	-7	-7	-31	-20
1968	Below Normal	-45	-59	4	51	134	50	-9	-57	-63	-82	18	-23
1969	Wet	-14	-18	-19	-24	-23	-23	-18	-10	-14	-21	0	0
1970	Wet	-1	0	8	10	10	10	7	6	6	5	-3	-4
1971	Wet	-13	-7	-10	-56	-7	-6	-2	-1	-1	-1	5	5
1972	Below Normal	1	0	-1	-2	-3	-2	-1	0	0	0	0	0
1973	Above Normal	1	0	1	1	1	1	1	1	1	1	0	-4
1974	Wet	-5	-52	-86	-134	-130	-139	-84	-62	-53	-49	-4	2
1975	Wet	19	44	49	66	64	66	49	42	39	35	5	-1
1976	Critical	-7	-20	-26	-25	-42	-4	-37	-29	-27	-22	0	0
1977	Critical	0	93	2	0	0	2	0	4	22	-10	0	1
1978	Above Normal	-66	-73	9	88	234	79	-17	-102	-110	-150	-22	-4
1979	Below Normal	23	34	-10	-32	-33	-33	-7	3	6	4	-16	3
1980	Above Normal	-33	-206	-164	-163	-162	-176	-147	-205	-157	-142	-41	28
1981	Dry	197	69	97	542	69	-45	54	41	34	30	-3	-2
1982	Wet	-4	1	1	1	1	1	1	1	1	1	0	0
1983	Wet	0	0	0	0	0	0	0	0	5	-5	0	0
1984	Wet	-1	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-23	2	3	3	3	3	2	5	5	-3	0	0
1987	Dry	1	-70	-94	-138	-142	-118	-77	-49	-39	-33	0	-1
1988	Critical	0	0	0	0	0	0	0	0	0	0	-1	-1
1989	Dry	-1	-3	-4	-20	-4	-91	27	22	21	16	0	0
1990	Critical	0	0	1	1	1	1	0	0	0	0	0	0
1991	Critical	0	0	-28	0	7	6	6	3	-28	31	0	0
1992	Critical	0	0	0	0	-38	0	-1	-4	-4	45	0	-2
1993	Above Normal	-8	-2	1	-29	15	10	7	3	2	0	0	1
1994	Critical	1	0	0	4	0	0	-1	-1	0	-1	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	105	150
1996	Wet	-71	-90	-105	-147	-144	-144	-99	-82	-74	-69	5	8
1997	Wet	11	5	5	5	4	4	5	5	5	4	17	-2
1998	Wet	-2	-3	-320	-439	-436	-447	-275	-302	-234	-222	25	62
1999	Wet	40	-14	12	18	17	18	11	9	8	7	0	7
2000	Above Normal	-33	-21	0	14	42	13	-5	-22	-24	-30	0	0
2001	Dry	11	16	21	32	33	27	18	11	9	7	1	-2
2002	Dry	-2	-12	-13	-18	-17	-18	-13	-11	70	-87	1	2
2003	Above Normal	1	0	-1	0	-1	-1	-1	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated SWP South of Delta Deliveries (Node DEL_SWP_TOT_S)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1924	Critical	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	0%	-1%
1925	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	1%	0%	-1%	-1%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-1%	-1%	-1%	0%	-1%	-1%	-1%	-2%	-2%	-2%	0%	0%
1934	Critical	1%	0%	0%	0%	0%	3%	0%	-8%	3%	3%	0%	0%
1935	Below Normal	0%	-1%	-1%	-2%	0%	0%	0%	0%	0%	0%	1%	1%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%
1937	Below Normal	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	0%
1938	Wet	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-24%	-13%
1939	Dry	-8%	3%	2%	8%	0%	0%	1%	1%	-18%	7%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-11%	0%
1943	Wet	0%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%
1944	Dry	2%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
1945	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1948	Below Normal	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	-4%	-3%	-3%	-3%	-4%	-6%	-5%	-5%	2%	0%
1953	Wet	-1%	0%	0%	0%	-1%	0%	1%	2%	1%	2%	-1%	0%
1954	Above Normal	3%	1%	1%	2%	0%	1%	1%	1%	0%	1%	1%	0%
1955	Dry	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	-2%
1959	Below Normal	-6%	-3%	-3%	-13%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1960	Dry	1%	0%	0%	2%	-1%	2%	-1%	-1%	-1%	-1%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-1%
1968	Below Normal	-2%	-2%	0%	1%	2%	1%	0%	-2%	-2%	-2%	2%	-1%
1969	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	1%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	-1%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-2%	-1%	0%
1975	Wet	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%
1976	Critical	-1%	-1%	-1%	-1%	-1%	0%	-1%	-1%	-1%	-1%	0%	0%
1977	Critical	0%	12%	0%	0%	0%	1%	0%	1%	1%	0%	0%	0%
1978	Above Normal	-3%	-2%	0%	2%	4%	1%	0%	-3%	-4%	-5%	-4%	0%
1979	Below Normal	1%	1%	0%	-1%	-1%	-1%	0%	0%	0%	0%	-4%	0%
1980	Above Normal	-1%	-5%	-4%	-3%	-3%	-3%	-3%	-6%	-5%	-5%	-10%	3%
1981	Dry	13%	2%	3%	17%	1%	-1%	1%	1%	1%	1%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	-2%	1%	1%	1%	1%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	-4%	5%	0%	0%
1992	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	-1%	2%	0%	0%
1993	Above Normal	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	11%
1996	Wet	-3%	-2%	-2%	-3%	-3%	-2%	-2%	-2%	-2%	-2%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
1998	Wet	0%	0%	-7%	-7%	-7%	-7%	-6%	-8%	-7%	-7%	2%	4%
1999	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2000	Above Normal	-2%	-1%	0%	0%	1%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	-2%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118
1923	Below Normal	756	4,709	6,178	7,947	7,996	6,058	1,386	1,534	790	388	112	110
1924	Critical	452	5,425	4,848	6,248	5,968	4,500	1,404	743	540	133	144	92
1925	Dry	66	4,162	4,471	7,683	7,900	5,943	1,788	1,721	678	330	107	108
1926	Dry	345	3,086	5,265	7,876	7,364	5,440	1,831	1,165	325	345	105	106
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114
1928	Above Normal	69	4,708	5,916	8,011	7,762	5,874	1,988	1,615	467	245	212	112
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97
1930	Dry	68	4,317	5,157	7,772	7,377	5,553	1,595	1,506	625	426	106	104
1931	Critical	591	5,605	4,229	5,770	6,074	4,591	1,417	1,033	453	132	103	88
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92
1933	Critical	346	5,520	4,400	6,176	5,903	4,444	1,362	945	685	131	159	90
1934	Critical	149	5,043	4,621	6,198	6,159	4,664	1,482	983	361	261	91	93
1935	Below Normal	60	2,732	5,467	8,037	7,528	5,689	1,862	1,253	681	300	106	104
1936	Below Normal	110	4,799	5,363	7,044	7,605	5,772	1,880	1,644	907	302	106	108
1937	Below Normal	64	4,703	5,812	7,305	7,495	5,670	1,913	1,242	415	193	106	108
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476
1939	Dry	910	7,190	5,206	7,681	7,284	5,539	1,551	1,381	855	352	106	104
1940	Above Normal	78	4,858	5,276	8,653	8,406	6,402	2,220	1,195	606	172	116	118
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118
1943	Wet	82	4,495	6,142	8,380	8,196	6,255	2,209	1,653	739	316	116	114
1944	Dry	190	5,302	4,961	7,415	7,344	5,542	1,839	1,329	444	274	127	108
1945	Below Normal	69	5,511	5,122	7,720	8,039	6,099	2,130	997	548	169	203	112
1946	Below Normal	174	6,934	6,123	8,356	7,939	6,126	2,083	1,623	605	197	235	118
1947	Dry	96	5,561	5,688	7,129	7,708	5,807	2,005	1,012	652	352	216	232
1948	Below Normal	273	2,239	4,183	7,757	8,686	6,573	2,053	1,503	719	212	184	125
1949	Dry	69	5,489	5,410	8,316	8,010	6,059	2,086	1,781	706	370	116	118
1950	Below Normal	146	5,851	5,823	7,748	7,436	5,613	1,759	1,017	486	163	106	108
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118
1953	Wet	325	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118
1955	Dry	539	5,348	5,790	7,808	7,461	5,637	1,630	1,494	576	163	106	104
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118
1959	Below Normal	256	6,981	6,353	8,147	7,891	5,871	1,024	1,744	879	348	115	113
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108
1961	Dry	70	5,339	5,681	7,757	7,796	5,830	1,829	1,631	525	260	191	111
1962	Below Normal	73	6,165	6,178	8,194	8,205	6,185	2,119	934	731	262	116	118
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114
1964	Dry	593	7,052	5,894	7,305	7,409	5,544	1,722	1,174	406	209	106	108
1965	Wet	388	4,376	6,252	8,459	8,181	5,326	2,191	1,821	392	301	120	118
1966	Below Normal	243	6,871	6,364	8,234	7,950	6,037	2,085	1,736	342	236	116	118
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114
1968	Below Normal	74	5,867	6,056	7,773	8,087	5,493	2,151	1,357	512	176	115	117
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116
1971	Wet	320	7,269	5,329	8,258	8,166	6,195	2,079	1,728	700	226	194	143
1972	Below Normal	1,003	6,694	5,875	7,723	7,671	5,814	1,595	1,031	350	281	109	110
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472
1976	Critical	1,090	5,962	5,804	7,352	7,072	4,731	1,536	1,543	731	372	98	256
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118
1979	Below Normal	72	5,001	5,962	8,252	7,868	5,888	1,953	1,073	507	167	110	108
1980	Above Normal	78	5,153	5,829	8,152	8,201	6,329	2,192	1,631	823	233	116	118
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120
1987	Dry	73	5,581	5,773	7,577	7,194	5,424	1,767	1,415	528	163	106	101
1988	Critical	560	5,188	4,652	6,846	6,909	5,184	1,645	1,528	514	248	205	174
1989	Dry	76	5,217	6,039	7,568	7,621	5,702	646	1,097	668	438	106	104
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154
1991	Critical	64	3,895	4,587	6,494	6,450	4,868	1,521	1,093	539	219	89	91
1992	Critical	65	4,040	5,026	6,253	6,597	5,013	1,533	791	499	136	93	96
1993	Above Normal	69	5,237	4,548	7,578	8,396	6,310	2,278	1,408	557	341	116	118
1994	Critical	280	5,617	4,280	7,201	6,968	5,312	1,766	1,219	358	212	101	104
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118
1997	Wet	468	7,277	6,141	7,892	8,045	5,723	1,962	1,349	360	307	116	118
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118
2001	Dry	73	4,831	5,859	7,562	7,513	5,677	1,724	1,441	354	163	106	104
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a

Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)

Alternative 5 (cfs)

SVI		Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	102	6,727	6,084	8,560	8,290	6,293	2,249	1,121	383	172	116	118		
1923	Below Normal	748	4,692	6,149	7,914	7,956	6,026	1,376	1,528	789	387	111	109		
1924	Critical	454	5,437	4,860	6,262	5,982	4,512	1,411	743	540	133	144	93		
1925	Dry	66	4,164	4,477	7,693	7,912	5,953	1,792	1,724	678	330	107	108		
1926	Dry	350	3,094	5,298	7,926	7,417	5,482	1,853	1,169	327	346	106	107		
1927	Wet	111	5,736	6,119	8,100	8,378	6,380	2,276	1,193	512	240	116	114		
1928	Above Normal	69	4,714	5,929	8,029	7,780	5,889	1,996	1,619	467	246	212	112		
1929	Critical	191	5,739	5,614	6,229	6,854	5,142	1,624	1,484	826	154	97	97		
1930	Dry	68	4,318	5,161	7,777	7,382	5,557	1,597	1,506	625	426	106	104		
1931	Critical	591	5,606	4,230	5,772	6,075	4,592	1,417	1,033	453	132	103	88		
1932	Dry	214	5,106	4,266	6,324	6,254	4,714	1,487	1,235	566	243	93	92		
1933	Critical	346	5,520	4,400	6,177	5,904	4,445	1,363	945	685	131	159	90		
1934	Critical	149	5,043	4,622	6,199	6,160	4,665	1,482	983	361	261	91	93		
1935	Below Normal	60	2,732	5,468	8,040	7,531	5,691	1,863	1,254	681	300	106	104		
1936	Below Normal	110	4,799	5,363	7,045	7,605	5,772	1,880	1,644	907	302	106	108		
1937	Below Normal	64	4,703	5,810	7,304	7,492	5,669	1,912	1,241	415	193	106	108		
1938	Wet	78	4,253	5,903	8,781	8,442	6,431	1,950	1,289	731	389	174	476		
1939	Dry	899	7,146	5,172	7,634	7,233	5,497	1,534	1,376	854	352	106	104		
1940	Above Normal	78	4,861	5,279	8,659	8,413	6,407	2,222	1,195	606	172	116	118		
1941	Wet	78	2,608	4,730	8,775	8,613	6,564	2,323	1,243	608	172	116	118		
1942	Wet	78	2,755	5,298	8,921	8,554	6,518	2,285	1,673	620	209	116	118		
1943	Wet	82	4,493	6,137	8,373	8,188	6,249	2,206	1,652	739	316	116	114		
1944	Dry	190	5,297	4,954	7,406	7,333	5,534	1,834	1,328	444	274	127	108		
1945	Below Normal	69	5,497	5,103	7,688	8,004	6,070	2,115	996	548	168	202	111		
1946	Below Normal	174	6,925	6,114	8,344	7,927	6,115	2,078	1,621	605	197	235	118		
1947	Dry	96	5,563	5,692	7,133	7,713	5,811	2,007	1,012	652	352	216	232		
1948	Below Normal	273	2,239	4,183	7,757	8,685	6,573	2,053	1,503	719	212	184	125		
1949	Dry	69	5,489	5,410	8,317	8,010	6,059	2,086	1,781	706	370	116	118		
1950	Below Normal	146	5,851	5,822	7,747	7,435	5,612	1,759	1,017	486	163	106	108		
1951	Above Normal	174	6,631	5,279	8,631	8,337	6,332	2,228	1,077	491	172	116	114		
1952	Wet	78	5,202	6,239	7,881	8,295	6,375	2,209	1,820	614	172	116	118		
1953	Wet	323	5,084	5,880	8,243	8,451	5,934	2,312	1,666	542	426	116	118		
1954	Above Normal	78	4,132	6,212	8,507	8,460	5,808	2,250	1,742	440	217	116	118		
1955	Dry	539	5,347	5,789	7,806	7,460	5,636	1,630	1,494	576	163	106	104		
1956	Wet	470	6,002	5,300	8,319	8,379	6,382	2,065	1,247	844	447	116	118		
1957	Above Normal	322	5,661	5,299	8,534	8,152	6,204	1,172	1,033	779	272	114	116		
1958	Wet	78	2,866	5,159	8,274	8,332	6,493	2,283	1,788	846	371	116	118		
1959	Below Normal	256	6,984	6,356	8,151	7,895	5,874	1,024	1,745	880	348	115	113		
1960	Dry	75	5,318	5,172	7,817	7,460	5,648	1,888	1,593	425	301	106	108		
1961	Dry	70	5,338	5,681	7,757	7,795	5,830	1,829	1,631	525	260	191	111		
1962	Below Normal	73	6,165	6,178	8,193	8,205	6,185	2,119	934	731	262	116	118		
1963	Wet	78	2,597	5,503	8,856	8,580	6,538	2,304	1,189	395	415	116	114		
1964	Dry	593	7,053	5,896	7,307	7,411	5,545	1,723	1,174	406	209	106	108		
1965	Wet	387	4,371	6,237	8,439	8,160	5,311	2,182	1,817	392	301	120	118		
1966	Below Normal	244	6,880	6,375	8,247	7,964	6,048	2,091	1,738	342	236	116	118		
1967	Wet	80	2,411	6,106	7,425	8,560	6,514	2,286	1,741	638	364	116	114		
1968	Below Normal	74	5,867	6,056	7,773	8,086	5,493	2,151	1,357	512	176	115	117		
1969	Wet	86	5,623	6,507	8,339	8,272	6,305	2,207	1,377	737	172	116	118		
1970	Wet	85	6,320	6,266	7,662	7,893	5,989	2,065	1,323	314	210	160	116		
1971	Wet	320	7,269	5,328	8,257	8,166	6,195	2,079	1,728	700	226	194	143		
1972	Below Normal	1,003	6,694	5,875	7,723	7,672	5,814	1,595	1,031	350	281	109	110		
1973	Above Normal	78	5,653	6,299	8,621	8,324	6,336	2,114	1,113	332	248	116	118		
1974	Wet	78	4,515	6,385	8,654	7,358	6,494	2,350	1,255	715	197	229	118		
1975	Wet	78	4,880	6,418	8,709	8,170	6,240	2,277	1,022	763	413	240	472		
1976	Critical	1,089	5,962	5,803	7,351	7,071	4,730	1,536	1,543	731	372	98	256		
1977	Critical	696	5,971	3,610	6,271	6,034	4,606	879	1,104	449	171	89	91		
1978	Above Normal	75	3,593	6,121	8,766	8,457	6,425	1,841	1,848	617	406	116	118		
1979	Below Normal	72	4,981	5,922	8,199	7,811	5,843	1,930	1,070	506	166	109	106		
1980	Above Normal	78	5,148	5,818	8,138	8,186	6,316	2,186	1,628	823	233	116	118		
1981	Dry	69	4,756	5,664	8,603	8,255	6,297	1,945	1,043	357	212	116	118		
1982	Wet	78	3,228	6,325	8,043	8,605	6,569	1,575	980	389	285	116	118		
1983	Wet	78	2,839	5,743	8,538	8,598	6,312	1,916	1,608	299	172	229	114		
1984	Wet	281	6,971	6,611	8,269	8,186	5,909	2,124	1,200	301	337	199	118		
1985	Dry	72	5,786	6,272	8,263	8,065	6,063	1,506	1,410	430	288	116	118		
1986	Wet	72	4,798	5,803	8,335	8,014	6,087	1,523	1,666	867	365	113	120		
1987	Dry	72	5,579	5,770	7,573	7,190	5,421	1,765	1,414	528	163	106	101		
1988	Critical	559	5,185	4,649	6,842	6,904	5,181	1,643	1,527	514	248	205	174		
1989	Dry	76	5,217	6,038	7,567	7,620	5,702	646	1,097	668	438	106	104		
1990	Critical	254	6,384	3,537	7,325	6,920	4,979	1,602	1,484	717	356	204	154		
1991	Critical	64	3,895	4,586	6,493	6,449	4,867	1,521	1,093	539	219	89	91		
1992	Critical	65	4,039	5,025	6,251	6,595	4,998	1,532	791	499	136	93	96		
1993	Above Normal	69	5,235	4,545	7,574	8,390	6,306	2,276	1,408	557	341	116	118		
1994	Critical	280	5,616	4,280	7,200	6,968	5,311	1,766	1,218	358	212	101	104		
1995	Wet	78	4,706	4,834	7,984	8,470	6,449	2,289	1,892	884	172	116	114		
1996	Wet	78	4,689	4,095	8,774	8,524	6,513	2,199	1,308	568	172	116	118		
1997	Wet	467	7,271	6,134	7,885	8,036	5,716	1,958	1,348	360	307	116	118		
1998	Wet	78	4,191	2,694	8,334	8,654	6,601	2,207	1,502	521	391	125	118		
1999	Wet	78	5,144	6,262	8,087	8,332	6,290	2,233	1,663	567	446	116	114		
2000	Above Normal	83	4,776	5,041	8,247	8,478	6,510	1,985	1,007	726	429	116	118		
2001	Dry	73	4,831	5,860	7,563	7,514	5,678	1,724	1,441	354	163	106	104		
2002	Dry	281	7,198	5,487	8,214	7,912	6,004	2,073	1,723	537	172	116	118		
2003	Above Normal	78	3,461	5,179	8,915	8,573	5,799	2,334	n/a	n/a	n/a	n/a	n/a		

Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	-8	-17	-29	-33	-40	-33	-10	-6	-2	-1	-1	-1
1924	Critical	3	11	12	14	15	12	6	1	1	0	0	0
1925	Dry	0	2	6	10	12	10	4	2	0	0	0	0
1926	Dry	5	7	33	49	53	42	23	4	1	1	1	1
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	6	13	17	19	15	8	3	1	1	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	1	3	5	5	4	2	1	0	0	0	0
1931	Critical	0	1	1	1	1	1	1	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	1	1	1	1	1	0	0	0	0	0	0
1934	Critical	0	1	1	1	1	1	0	0	0	0	0	0
1935	Below Normal	0	0	1	2	3	2	1	0	0	0	0	0
1936	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Normal	0	0	-2	-2	-2	-2	-1	0	0	0	0	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1939	Dry	-12	-44	-34	-47	-51	-42	-16	-5	-1	0	0	0
1940	Above Normal	0	2	4	6	6	5	2	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1943	Wet	0	-2	-5	-7	-8	-6	-3	-1	0	0	0	0
1944	Dry	0	-5	-7	-9	-11	-9	-4	-1	0	0	0	0
1945	Below Normal	0	-14	-20	-32	-35	-29	-15	-1	0	-1	-1	-1
1946	Below Normal	0	-8	-10	-12	-13	-10	-5	-2	0	0	0	0
1947	Dry	0	3	4	4	5	4	2	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	1	1	0	0	0	0	0	0	0
1950	Below Normal	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1953	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1954	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1955	Dry	0	-1	-1	-2	-2	-1	-1	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	3	3	4	4	3	1	1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	-1	-1	-1	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	2	2	2	2	2	1	0	0	0	0	0
1965	Wet	-1	-5	-16	-20	-22	-14	-9	-4	0	0	0	0
1966	Below Normal	0	9	11	13	14	11	6	2	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	0	0	0	-1	-1	0	0	0	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1976	Critical	0	-1	-1	-1	-1	-1	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	-1	0	0	0	0	0	0	0	0	0	0	0
1979	Below Normal	0	-21	-40	-53	-57	-46	-23	-3	-1	-1	-1	-1
1980	Above Normal	0	-6	-10	-13	-16	-13	-6	-2	0	0	0	0
1981	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	-2	-3	-4	-4	-3	-2	0	0	0	0	0
1988	Critical	-1	-2	-3	-4	-4	-4	-2	-1	0	0	0	0
1989	Dry	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	-1	-1	-1	-1	0	0	0	0	0	0
1992	Critical	0	-1	-1	-2	-2	-15	-1	0	0	0	0	0
1993	Above Normal	0	-2	-3	-4	-5	-4	-2	0	0	0	0	0
1994	Critical	0	0	0	-1	-1	-1	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1997	Wet	-1	-6	-7	-7	-9	-7	-3	-1	0	0	0	0
1998	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
2001	Dry	0	0	1	1	1	1	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

**Percent Change in Simulated CVP North of Delta Deliveries (Node DEL_CVP_TOTAL_N)
From Existing Condition**

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	-1%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	-1%	-1%
1924	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	1%	0%	1%	1%	1%	1%	1%	0%	0%	0%	1%	1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	-1%	-1%	-1%	-1%	-1%	-1%	-1%	0%	0%	0%	0%	0%
1940	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	-1%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-1%	-1%	-1%	-1%	-1%	0%	0%	-1%	-1%	-1%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
Existing Condition (cfs)

SAC		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	5
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,450	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,656	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	5	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,406	3,336	2,532	968	267	74	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	116	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	4	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	6
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	12	74
1939	Dry	629	3,398	2,274	3,179	3,001	2,410	1,653	444	83	14	4	5
1940	Above Normal	24	2,165	2,597	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	39	974	2,483	3,743	3,538	2,844	2,317	697	19	18	11	16
1943	Wet	35	1,419	2,967	3,444	3,295	2,664	2,200	657	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	19	2,280	2,965	3,206	3,348	2,487	2,223	33	15	15	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,022	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,014	3,146	3,211	2,600	2,138	733	23	22	16	16
1953	Wet	104	1,995	2,723	3,311	3,343	2,507	2,219	416	15	15	6	10
1954	Above Normal	28	1,323	2,982	3,460	3,322	2,523	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,313	3,091	2,475	1,000	726	90	13	4	4
1960	Dry	14	1,813	2,677	3,447	3,208	2,589	2,133	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,779	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,366	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,552	2,837	2,302	707	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,178	3,232	2,404	2,131	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,935	3,252	3,485	2,830	2,725	2,260	147	20	20	11	11
1975	Wet	34	2,086	3,152	3,436	3,189	2,517	2,126	62	23	17	7	35
1976	Critical	876	3,048	2,952	3,363	3,332	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	10
1978	Above Normal	30	1,265	3,144	3,648	3,428	2,757	1,473	809	16	16	6	7
1979	Below Normal	33	1,845	3,131	3,564	3,319	2,546	2,090	86	18	17	10	15
1980	Above Normal	41	2,418	2,870	3,181	3,108	2,509	2,022	596	74	22	8	12
1981	Dry	25	1,937	3,030	3,584	3,340	2,678	1,883	28	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	39	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,993	3,225	2,995	2,396	1,984	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,672	1,928	3,751	3,540	2,826	2,307	103	18	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,175	3,515	3,492	2,790	2,046	290	23	22	15	14
1999	Wet	39	2,465	2,972	3,068	3,055	2,431	2,023	570	18	17	6	10
2000	Above Normal	28	1,835	2,727	3,529	3,473	2,786	2,139	32	14	14	4	4
2001	Dry	39	2,223	3,136	3,305	3,144	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,999	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)

Alternative 5 (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	35	2,750	2,705	3,325	3,120	2,509	2,073	125	18	17	15	15
1923	Below Normal	280	2,034	3,038	3,319	3,308	2,654	1,506	551	37	14	4	4
1924	Critical	25	2,026	1,720	1,995	1,960	1,481	582	9	5	5	4	5
1925	Dry	20	1,699	2,622	3,333	3,445	2,720	1,967	694	13	13	4	6
1926	Dry	183	1,124	2,918	3,697	3,449	2,737	2,278	169	11	11	7	12
1927	Wet	35	2,252	2,821	3,255	3,306	2,657	2,182	109	17	17	7	8
1928	Above Normal	17	2,049	3,033	3,250	3,083	2,478	2,048	610	13	12	4	4
1929	Critical	24	2,974	3,053	2,785	3,435	2,598	1,007	448	82	5	4	6
1930	Dry	14	1,896	2,814	3,424	3,183	2,548	1,894	648	9	9	4	5
1931	Critical	174	2,095	1,443	1,821	2,038	1,547	581	230	6	5	5	8
1932	Dry	125	2,746	2,191	3,257	3,053	2,445	2,024	696	38	10	4	5
1933	Critical	46	3,389	2,491	3,405	3,336	2,531	967	267	73	6	4	5
1934	Critical	53	1,766	1,582	2,038	2,102	1,596	593	117	6	6	4	6
1935	Below Normal	17	1,136	2,987	3,640	3,396	2,723	2,161	434	13	13	5	9
1936	Below Normal	33	2,063	2,715	3,028	3,284	2,640	2,168	684	93	17	4	5
1937	Below Normal	27	2,122	3,190	3,099	3,269	2,632	2,174	143	20	19	15	19
1938	Wet	41	1,563	3,077	3,730	3,514	2,831	1,799	154	30	22	11	74
1939	Dry	628	3,398	2,274	3,179	3,001	2,410	1,654	444	83	11	4	5
1940	Above Normal	24	2,165	2,596	3,469	3,306	2,651	2,185	135	13	13	12	15
1941	Wet	38	1,169	2,630	3,736	3,552	2,837	2,265	114	21	20	16	18
1942	Wet	38	974	2,483	3,743	3,536	2,842	2,316	696	19	18	11	16
1943	Wet	34	1,419	2,967	3,443	3,293	2,662	2,199	656	21	20	4	4
1944	Dry	66	2,269	2,662	3,362	3,237	2,592	2,145	150	8	9	6	7
1945	Below Normal	33	2,503	2,576	3,372	3,276	2,633	2,176	48	17	17	16	17
1946	Below Normal	39	2,819	2,754	3,184	2,940	2,401	1,894	597	17	17	7	7
1947	Dry	18	2,280	2,965	3,206	3,348	2,487	2,222	33	15	14	4	4
1948	Below Normal	10	717	2,047	3,422	3,497	2,790	2,211	604	19	11	6	7
1949	Dry	18	2,394	2,615	3,277	3,064	2,456	2,021	715	35	15	4	5
1950	Below Normal	14	2,346	2,905	3,393	3,224	2,526	2,025	46	12	11	16	17
1951	Above Normal	118	2,892	2,419	3,393	3,179	2,556	2,112	40	18	17	14	16
1952	Wet	35	1,835	3,011	3,140	3,199	2,586	2,129	727	20	20	17	16
1953	Wet	104	1,995	2,723	3,312	3,344	2,508	2,219	417	16	15	6	10
1954	Above Normal	29	1,323	2,982	3,460	3,323	2,524	2,204	675	14	13	7	9
1955	Dry	257	2,311	2,955	3,274	3,075	2,465	1,873	426	9	11	15	18
1956	Wet	192	2,738	2,515	3,362	3,256	2,621	1,918	188	87	20	6	7
1957	Above Normal	21	2,675	2,684	3,752	3,497	2,800	1,016	25	25	11	10	17
1958	Wet	39	1,157	2,667	3,123	3,447	2,810	2,189	701	81	22	7	10
1959	Below Normal	95	2,900	2,947	3,312	3,089	2,473	999	726	90	12	4	4
1960	Dry	15	1,813	2,677	3,447	3,208	2,589	2,134	644	14	14	4	5
1961	Dry	13	2,155	2,925	3,082	3,147	2,503	1,997	648	9	11	4	5
1962	Below Normal	23	2,508	2,970	3,294	3,132	2,502	2,053	18	12	12	15	16
1963	Wet	34	918	2,830	3,743	3,541	2,827	2,224	63	17	17	9	13
1964	Dry	178	3,147	2,778	3,057	3,089	2,487	1,831	159	17	17	12	15
1965	Wet	141	2,012	3,067	3,365	3,155	2,098	2,071	745	16	15	12	14
1966	Below Normal	120	2,830	2,788	3,087	2,886	2,316	1,906	681	14	14	8	17
1967	Wet	37	909	3,157	3,107	3,551	2,837	2,302	706	20	19	13	16
1968	Below Normal	32	2,431	2,998	3,177	3,230	2,403	2,130	164	15	14	13	19
1969	Wet	41	2,128	3,137	3,206	3,201	2,592	2,139	299	35	22	14	17
1970	Wet	36	2,536	3,075	2,996	3,122	2,512	2,075	278	18	17	14	14
1971	Wet	75	3,033	2,432	3,117	3,000	2,403	1,906	611	13	13	11	13
1972	Below Normal	248	3,084	2,844	3,156	3,114	2,499	1,655	107	14	14	9	16
1973	Above Normal	35	2,426	3,004	3,379	3,191	2,566	1,979	41	18	17	16	19
1974	Wet	39	1,934	3,251	3,483	2,827	2,722	2,258	146	20	19	11	11
1975	Wet	34	2,087	3,153	3,436	3,190	2,518	2,126	62	23	17	7	34
1976	Critical	876	3,048	2,952	3,362	3,331	2,162	890	447	23	10	4	25
1977	Critical	576	2,136	1,222	2,063	82	70	31	224	4	4	4	7
1978	Above Normal	30	1,265	3,143	3,647	3,425	2,753	1,471	807	16	15	5	10
1979	Below Normal	32	1,845	3,131	3,564	3,318	2,544	2,089	85	18	17	9	15
1980	Above Normal	41	2,414	2,867	3,176	3,098	2,498	2,014	591	73	20	8	12
1981	Dry	27	1,938	3,031	3,585	3,342	2,680	1,885	29	13	12	13	17
1982	Wet	40	1,523	3,300	3,500	3,551	2,825	1,571	51	23	22	18	19
1983	Wet	41	1,164	3,092	3,485	3,554	2,780	1,638	515	23	22	18	16
1984	Wet	36	2,713	3,095	3,288	3,137	2,277	2,007	75	18	17	13	11
1985	Dry	31	2,607	3,137	3,382	3,164	2,505	1,212	548	17	16	4	4
1986	Wet	37	2,121	3,037	3,416	3,259	2,626	1,529	668	82	21	4	4
1987	Dry	9	2,340	2,992	3,224	2,994	2,395	1,983	450	6	7	4	6
1988	Critical	325	1,513	1,430	1,883	1,810	1,448	1,199	412	5	5	4	5
1989	Dry	11	2,402	3,434	3,639	3,525	2,799	525	113	28	13	4	5
1990	Critical	19	3,106	1,827	3,321	3,107	2,483	1,983	558	23	5	4	24
1991	Critical	10	1,345	1,752	1,799	1,887	1,511	1,246	219	30	4	4	4
1992	Critical	10	1,855	3,227	3,095	3,265	2,608	2,161	104	36	4	4	14
1993	Above Normal	31	1,849	2,374	3,110	3,538	2,827	2,348	478	15	15	6	7
1994	Critical	120	2,968	2,353	3,273	3,050	2,445	2,010	353	11	11	4	13
1995	Wet	29	1,873	2,328	2,966	3,498	2,815	2,326	829	95	20	12	13
1996	Wet	33	1,671	1,928	3,751	3,539	2,825	2,307	102	17	17	15	17
1997	Wet	174	3,118	2,868	3,114	3,049	2,240	1,858	363	20	19	7	16
1998	Wet	37	1,524	1,173	3,512	3,487	2,785	2,043	285	20	20	15	15
1999	Wet	39	2,465	2,972	3,068	3,056	2,431	2,024	570	18	17	6	10
2000	Above Normal	27	1,834	2,726	3,529	3,473	2,785	2,138	31	14	14	4	4
2001	Dry	39	2,223	3,137	3,305	3,145	2,515	1,859	188	6	8	8	10
2002	Dry	41	2,925	2,337	3,202	2,998	2,411	1,992	709	16	16	10	11
2003	Above Normal	35	1,432	2,660	3,574	3,349	2,427	2,220	n/a	n/a	n/a	n/a	n/a

Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
 Alternative 5 - Existing Condition (cfs)

SVI													
Year	Year Type	March	April	May	June	July	August	September	October	November	December	January	February
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1924	Critical	0	0	0	0	-1	-1	-1	0	0	0	0	0
1925	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1926	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1927	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1928	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1929	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1930	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1931	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1932	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1933	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1934	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1935	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1936	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1937	Below Normal	0	0	0	0	0	0	0	0	0	0	-1	0
1938	Wet	0	0	0	0	0	0	0	0	0	0	-1	-1
1939	Dry	0	0	0	0	1	1	0	0	0	-3	0	0
1940	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1941	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1942	Wet	0	0	0	-1	-1	-1	-1	0	0	0	0	0
1943	Wet	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1944	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1945	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1946	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1947	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1948	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1949	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1950	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1951	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	0	0	-3	-6	-12	-13	-10	-6	-3	-2	0	0
1953	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1954	Above Normal	0	0	0	0	1	1	0	0	0	0	0	0
1955	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1956	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1957	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
1960	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1961	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1962	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1963	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1964	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1965	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1966	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1967	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1968	Below Normal	-1	0	0	-1	-2	-2	-1	-1	0	0	0	0
1969	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1970	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1971	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1972	Below Normal	0	0	0	0	0	0	0	0	0	0	0	0
1973	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1974	Wet	0	-1	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1975	Wet	0	0	0	0	1	1	1	0	0	0	0	0
1976	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1977	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1978	Above Normal	0	0	-1	-1	-3	-3	-2	-1	-1	-1	0	0
1979	Below Normal	0	0	0	-1	-1	-2	-1	0	0	0	0	0
1980	Above Normal	0	-4	-2	-5	-10	-11	-8	-5	-2	-2	0	0
1981	Dry	2	0	0	1	2	2	1	1	0	0	0	0
1982	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	-2	0	0	0	0	0	0	0	0	0	0	0
1987	Dry	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
1988	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1989	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1990	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1991	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1992	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1993	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1994	Critical	0	0	0	0	0	0	0	0	0	0	0	0
1995	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1996	Wet	-1	0	0	-1	-1	-1	-1	-1	0	0	0	0
1997	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1998	Wet	0	0	-2	-3	-5	-5	-3	-6	-3	-2	0	1
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	0	0	0	0	-1	-1	0	0	0	0	0	0
2001	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2002	Dry	0	0	0	0	0	0	0	0	0	0	0	0
2003	Above Normal	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a

Percent Change in Simulated SWP North of Delta Deliveries (Node DEL_SWP_TOT_N)
From Existing Condition

SVI		March	April	May	June	July	August	September	October	November	December	January	February
Year	Year Type												
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	0%	-1%
1925	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	1%	1%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-1%
1938	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	-1%
1939	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-20%	0%	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1942	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%
1943	Wet	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	-1%	0%	-1%	-11%	-11%	2%	-1%
1953	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1954	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1956	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-2%
1968	Below Normal	-2%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	2%	-1%
1969	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	-3%	-3%	0%	0%
1975	Wet	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	-1%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	-5%	-3%
1979	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	-2%	-2%	-4%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	0%	-1%	-2%	-9%	5%	1%
1981	Dry	8%	0%	0%	0%	0%	0%	0%	3%	3%	3%	0%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-4%	-4%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%
1996	Wet	-2%	0%	0%	0%	0%	0%	0%	-1%	-3%	-3%	1%	1%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-2%	-11%	-11%	2%	4%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2000	Above Normal	-1%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	n/a	n/a	n/a	n/a	n/a

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,066	2,971	3,107	3,306	3,437	3,563	4,010	3,739	3,363	2,917	2,586	2,547
1924	Critical	2,464	2,357	2,307	2,509	2,719	2,704	2,466	2,155	1,733	1,294	987	834
1925	Dry	813	975	1,089	1,422	2,605	2,984	3,692	3,832	3,592	3,130	2,768	2,690
1926	Dry	2,582	2,561	2,593	2,632	3,380	3,581	3,907	3,780	3,297	2,684	2,304	2,199
1927	Wet	2,127	2,583	3,023	3,473	3,462	4,090	4,552	4,552	4,233	3,759	3,378	2,861
1928	Above Normal	2,778	2,869	2,979	3,204	3,707	3,965	4,552	4,505	4,003	3,311	2,939	2,591
1929	Critical	2,471	2,372	2,434	2,698	2,886	3,060	3,096	3,001	2,712	2,278	1,819	1,733
1930	Dry	1,616	1,545	2,088	2,285	2,686	3,181	3,284	3,230	2,862	2,417	2,147	2,091
1931	Critical	2,001	1,966	1,951	2,033	2,121	2,294	1,981	1,701	1,347	877	638	602
1932	Dry	581	584	762	902	1,038	1,518	1,628	1,812	1,608	1,370	1,127	1,027
1933	Critical	936	907	896	905	942	1,540	1,683	1,760	1,593	1,327	860	658
1934	Critical	632	616	735	1,025	1,345	1,604	1,576	1,443	1,122	650	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,901	1,795
1936	Below Normal	1,706	1,646	1,640	2,297	3,188	3,490	3,702	3,631	3,381	2,837	2,463	2,331
1937	Below Normal	2,169	2,043	2,002	1,977	2,057	2,704	3,405	3,656	3,461	3,060	2,718	2,635
1938	Wet	2,588	3,118	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,222
1939	Dry	3,203	3,111	3,225	3,347	3,409	3,826	3,653	3,470	3,128	2,576	2,176	2,137
1940	Above Normal	2,093	2,004	2,143	3,038	3,252	3,435	4,162	4,165	3,773	3,173	2,792	2,702
1941	Wet	2,614	2,589	3,293	3,317	3,423	3,940	4,456	4,552	4,455	4,150	3,700	3,209
1942	Wet	3,129	2,881	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,108	3,541	3,848	4,118	4,552	4,552	4,273	3,729	3,379	2,870
1944	Dry	2,801	2,537	2,542	2,581	2,895	3,277	3,272	3,260	3,085	2,683	2,422	2,412
1945	Below Normal	2,344	2,483	2,779	2,980	3,680	3,922	4,053	4,161	3,915	3,430	3,074	2,934
1946	Below Normal	2,876	3,138	3,265	3,622	3,805	4,124	4,282	4,251	3,880	3,396	3,063	2,992
1947	Dry	2,879	2,926	3,006	3,005	3,271	3,796	3,880	3,578	3,380	2,813	2,465	2,354
1948	Below Normal	2,400	2,406	2,399	2,965	3,054	3,390	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,390	3,093	3,073
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,222	2,967	3,345	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,191
1954	Above Normal	3,200	3,058	3,215	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,978	3,249	3,435	3,586	3,754	3,964	4,103	3,817	3,240	2,908	2,878
1956	Wet	2,821	2,911	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,645	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,908	2,956	3,648	3,777	4,221	4,229	4,081	3,615	3,073	2,711	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,254	4,333	4,470	4,038	3,427	3,143	3,040
1961	Dry	2,956	3,065	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,814	3,099	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,095
1964	Dry	3,089	3,252	3,289	3,669	3,898	4,048	3,841	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,546	4,208	3,722	3,453	2,985
1966	Below Normal	2,903	2,972	3,093	3,577	3,989	4,229	4,552	4,436	3,897	3,268	2,884	2,884
1967	Wet	2,749	3,075	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,343
1968	Below Normal	3,250	3,098	3,189	3,366	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,958
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,949	3,603	3,200
1970	Wet	3,240	3,185	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,278	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,183
1974	Wet	3,212	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,902	3,021	3,122	3,771	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,022	3,101	3,362	3,417	3,649	3,701	3,581	3,200	2,713	2,419	2,819
1977	Critical	2,670	2,597	2,548	2,524	2,389	2,355	1,955	1,819	1,231	669	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	3,043	3,014	3,093	3,445	3,951	4,214	4,377	3,949	3,505	3,299	3,245
1980	Above Normal	3,250	3,252	3,354	3,528	3,292	3,940	4,229	4,219	3,871	3,434	3,094	3,102
1981	Dry	3,026	2,767	2,890	3,162	3,569	4,172	4,385	4,178	3,523	2,914	2,653	2,584
1982	Wet	2,623	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,956
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,500	3,096	2,780	2,816
1987	Dry	2,814	2,687	2,674	2,796	3,137	3,872	3,800	3,529	2,981	2,456	2,189	2,143
1988	Critical	1,980	1,952	2,451	2,857	2,915	3,058	3,052	3,035	2,619	2,068	1,647	1,605
1989	Dry	1,468	1,673	1,759	1,938	2,044	3,425	3,878	3,650	3,309	2,724	2,446	2,488
1990	Critical	2,592	2,599	2,566	2,811	2,908	3,173	2,989	3,161	2,991	2,430	2,054	2,062
1991	Critical	1,978	1,937	1,921	1,820	1,850	2,270	2,432	2,388	2,103	1,755	1,568	1,516
1992	Critical	1,399	1,256	1,253	1,287	1,935	2,379	2,626	2,284	1,684	1,068	581	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,028	3,100	3,235	3,460	3,637	3,420	2,270	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,557	1,604	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	3,011	3,368	3,723	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,114	3,005	3,252	3,252	3,737	3,956	4,008	3,775	3,428	2,897	2,712	2,293
1998	Wet	2,176	2,100	2,283	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,959	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,194	2,860	2,944	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,948	3,072	3,501	3,995	4,097	3,886	3,323	2,831	2,666	2,647
2002	Dry	2,492	2,667	3,314	3,678	4,022	4,411	4,468	4,296	3,823	3,357	3,101	3,022
2003	Above Normal	2,880	2,826	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,637	3,355	3,200

Simulated End-of-Month Shasta Reservoir Storage (Node S4)

Alternative 5 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,752	2,650	2,785	2,927	3,302	3,746	4,341	4,552	4,189	3,718	3,329	3,111
1923	Below Normal	3,057	2,920	3,056	3,255	3,392	3,518	3,965	3,727	3,384	2,940	2,635	2,627
1924	Critical	2,575	2,499	2,479	2,612	2,822	2,806	2,540	2,228	1,798	1,350	998	881
1925	Dry	860	1,022	1,137	1,470	2,652	3,031	3,739	3,879	3,638	3,190	2,829	2,737
1926	Dry	2,628	2,606	2,639	2,678	3,426	3,626	3,952	3,823	3,327	2,713	2,336	2,231
1927	Wet	2,159	2,614	3,054	3,495	3,462	4,090	4,552	4,552	4,233	3,759	3,375	2,860
1928	Above Normal	2,777	2,867	2,977	3,202	3,705	3,965	4,552	4,504	4,002	3,317	2,944	2,593
1929	Critical	2,473	2,374	2,436	2,700	2,897	3,070	3,106	3,011	2,722	2,289	1,830	1,744
1930	Dry	1,627	1,555	2,104	2,301	2,702	3,196	3,299	3,245	2,877	2,428	2,155	2,105
1931	Critical	2,016	1,981	1,965	2,048	2,136	2,309	1,996	1,716	1,362	892	644	608
1932	Dry	586	587	765	905	1,041	1,522	1,632	1,816	1,613	1,375	1,131	1,031
1933	Critical	941	911	900	909	946	1,544	1,688	1,765	1,598	1,331	864	663
1934	Critical	633	616	742	1,032	1,352	1,611	1,583	1,449	1,128	652	575	550
1935	Below Normal	550	629	664	936	1,264	1,659	2,699	3,016	2,710	2,288	1,901	1,795
1936	Below Normal	1,707	1,647	1,641	2,298	3,188	3,490	3,702	3,631	3,382	2,835	2,462	2,330
1937	Below Normal	2,168	2,041	2,001	1,976	2,056	2,703	3,404	3,656	3,460	3,060	2,719	2,636
1938	Wet	2,589	3,119	3,310	3,668	3,560	3,416	4,058	4,552	4,434	4,007	3,669	3,230
1939	Dry	3,214	3,083	3,207	3,329	3,391	3,808	3,638	3,456	3,121	2,569	2,188	2,138
1940	Above Normal	2,075	1,985	2,124	3,019	3,252	3,435	4,162	4,165	3,773	3,172	2,791	2,674
1941	Wet	2,585	2,559	3,293	3,317	3,423	3,940	4,456	4,552	4,456	4,150	3,700	3,209
1942	Wet	3,130	2,882	3,316	3,389	3,516	3,795	4,451	4,552	4,480	4,136	3,700	3,201
1943	Wet	3,121	2,856	3,109	3,541	3,848	4,118	4,552	4,552	4,274	3,732	3,382	2,867
1944	Dry	2,797	2,510	2,515	2,553	2,867	3,257	3,252	3,241	3,067	2,669	2,411	2,402
1945	Below Normal	2,335	2,474	2,770	2,970	3,670	3,912	4,073	4,215	4,001	3,517	3,192	3,080
1946	Below Normal	3,049	3,252	3,265	3,622	3,805	4,124	4,283	4,253	3,882	3,399	3,067	2,996
1947	Dry	2,884	2,930	3,011	3,009	3,275	3,800	3,884	3,582	3,383	2,816	2,467	2,354
1948	Below Normal	2,400	2,405	2,399	2,965	3,053	3,389	4,357	4,552	4,500	3,995	3,627	3,400
1949	Dry	3,214	3,180	3,197	3,176	3,375	4,071	4,361	4,379	3,974	3,475	3,136	3,078
1950	Below Normal	2,926	2,864	2,808	3,044	3,387	3,763	4,105	4,098	3,795	3,388	3,091	3,071
1951	Above Normal	3,200	3,252	3,322	3,624	3,794	4,206	4,316	4,466	4,027	3,378	3,019	2,916
1952	Wet	2,880	2,884	3,306	3,604	3,739	4,022	4,290	4,552	4,474	4,150	3,700	3,400
1953	Wet	3,221	2,894	3,338	3,366	3,681	4,189	4,511	4,552	4,500	4,077	3,700	3,192
1954	Above Normal	3,200	3,065	3,222	3,552	3,661	4,106	4,546	4,552	4,242	3,639	3,292	3,048
1955	Dry	2,975	2,977	3,248	3,434	3,585	3,753	3,963	4,102	3,816	3,240	2,909	2,882
1956	Wet	2,824	2,915	3,252	3,252	3,288	3,970	4,503	4,552	4,343	4,023	3,700	3,279
1957	Above Normal	3,211	2,846	2,859	2,927	3,652	4,129	4,390	4,552	4,248	3,646	3,318	3,200
1958	Wet	3,250	3,222	3,338	3,531	4,432	3,416	4,173	4,552	4,500	4,150	3,700	3,400
1959	Below Normal	3,250	2,903	2,952	3,648	3,777	4,221	4,229	4,081	3,615	3,072	2,710	2,844
1960	Dry	2,727	2,683	2,667	2,882	3,588	4,253	4,333	4,470	4,037	3,426	3,143	3,039
1961	Dry	2,956	3,064	3,350	3,550	3,914	4,280	4,418	4,443	4,087	3,449	3,031	2,937
1962	Below Normal	2,804	2,815	3,100	3,176	3,675	4,133	4,339	4,272	3,924	3,385	3,060	3,014
1963	Wet	3,250	3,252	3,349	3,461	3,944	4,226	4,137	4,552	4,303	3,749	3,436	3,097
1964	Dry	3,090	3,252	3,290	3,670	3,899	4,049	3,842	3,665	3,409	2,961	2,646	2,586
1965	Wet	2,542	2,639	3,252	3,368	3,713	3,874	4,500	4,547	4,210	3,725	3,457	2,989
1966	Below Normal	2,907	2,984	3,105	3,588	4,000	4,229	4,552	4,436	3,896	3,267	2,986	2,886
1967	Wet	2,752	3,079	3,335	3,551	3,920	4,033	4,479	4,552	4,500	4,133	3,700	3,336
1968	Below Normal	3,250	2,989	3,081	3,258	3,654	4,242	4,268	4,170	3,755	3,161	2,968	2,957
1969	Wet	2,949	3,019	3,297	3,358	3,480	4,030	4,434	4,552	4,339	3,948	3,602	3,200
1970	Wet	3,243	3,188	3,317	3,252	3,431	4,021	4,046	3,956	3,636	3,067	2,797	2,416
1971	Wet	2,277	2,653	3,319	3,515	3,848	3,873	4,374	4,552	4,468	3,992	3,700	3,327
1972	Below Normal	3,209	3,002	3,146	3,482	3,831	4,249	4,495	4,451	3,996	3,381	3,111	3,139
1973	Above Normal	3,122	3,252	3,346	3,552	3,636	4,162	4,461	4,533	4,089	3,488	3,246	3,132
1974	Wet	3,200	3,252	3,267	3,252	3,694	3,416	4,289	4,552	4,365	4,150	3,700	3,400
1975	Wet	3,250	2,908	3,028	3,129	3,778	3,756	4,341	4,552	4,362	4,070	3,700	3,359
1976	Critical	3,250	3,021	3,100	3,360	3,415	3,647	3,699	3,580	3,200	2,708	2,717	2,816
1977	Critical	2,670	2,596	2,548	2,523	2,389	2,355	1,955	1,819	1,232	670	550	550
1978	Above Normal	550	558	995	2,908	3,567	4,000	4,552	4,552	4,180	3,754	3,435	3,390
1979	Below Normal	3,202	2,975	2,951	3,040	3,386	3,893	4,155	4,331	3,906	3,475	3,273	3,204
1980	Above Normal	3,227	3,252	3,354	3,528	3,292	3,940	4,223	4,213	3,866	3,430	3,125	3,049
1981	Dry	2,968	2,810	2,933	3,205	3,613	4,215	4,428	4,221	3,566	2,947	2,676	2,612
1982	Wet	2,651	3,252	3,276	3,616	3,530	3,953	4,094	4,497	4,364	4,070	3,700	3,400
1983	Wet	3,250	3,252	3,328	3,371	3,252	3,664	4,074	4,552	4,500	4,150	3,700	3,400
1984	Wet	3,250	3,252	3,285	3,650	3,994	4,246	4,481	4,495	4,194	3,601	3,368	2,957
1985	Dry	3,034	3,252	3,360	3,507	3,679	3,891	3,953	3,651	3,200	2,798	2,527	2,504
1986	Wet	2,462	2,406	2,541	3,073	3,252	3,534	3,975	3,933	3,501	3,096	2,780	2,820
1987	Dry	2,818	2,667	2,655	2,777	3,117	3,852	3,780	3,510	2,982	2,457	2,187	2,138
1988	Critical	1,971	1,943	2,443	2,848	2,910	3,053	3,045	3,028	2,612	2,064	1,644	1,602
1989	Dry	1,464	1,670	1,756	1,933	2,040	3,420	3,874	3,645	3,305	2,720	2,442	2,485
1990	Critical	2,588	2,596	2,562	2,808	2,905	3,170	2,986	3,157	2,987	2,426	2,051	2,058
1991	Critical	1,974	1,933	1,917	1,816	1,846	2,266	2,427	2,384	2,099	1,754	1,567	1,516
1992	Critical	1,398	1,255	1,251	1,286	1,934	2,378	2,625	2,282	1,682	1,066	579	650
1993	Above Normal	550	550	750	1,386	2,110	3,566	4,200	4,552	4,500	3,953	3,700	3,393
1994	Critical	3,224	3,029	3,101	3,236	3,461	3,638	3,421	3,271	2,805	2,219	1,749	1,726
1995	Wet	1,616	1,556	1,603	3,252	3,743	3,417	4,217	4,552	4,500	4,150	3,700	3,400
1996	Wet	3,250	2,937	3,303	3,668	3,503	4,010	4,432	4,552	4,355	3,956	3,700	3,289
1997	Wet	3,113	3,002	3,252	3,252	3,737	3,956	4,008	3,776	3,429	2,913	2,730	2,301
1998	Wet	2,173	2,139	2,332	3,339	3,252	3,504	4,329	4,552	4,500	4,150	3,700	3,400
1999	Wet	3,250	3,252	3,349	3,640	3,950	3,980	4,522	4,552	4,330	3,900	3,642	3,242
2000	Above Normal	3,189	2,858	2,941	3,615	3,282	3,976	4,552	4,552	4,212	3,639	3,346	3,202
2001	Dry	3,137	2,892	2,946	3,070	3,498	3,993	4,095	3,884	3,321	2,828	2,667	2,648
2002	Dry	2,493	2,668	3,315	3,678	4,022	4,411	4,467	4,296	3,823	3,357	3,100	3,022
2003	Above Normal	2,874	2,821	3,291	3,515	3,841	4,333	4,552	4,552	4,262	3,638	3,356	3,200

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Existing Condition (cfs)

SAC													
Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219
1923	Below Normal	4,756	6,356	3,282	3,048	3,175	3,427	2,992	10,586	10,637	10,737	8,530	3,960
1924	Critical	4,977	5,343	4,683	689	2,922	4,076	7,613	8,005	9,846	9,844	7,730	5,402
1925	Dry	3,875	2,869	2,826	0	1,633	2,821	2,539	5,327	8,881	10,566	8,966	4,781
1926	Dry	5,257	4,148	3,485	3,184	1,710	3,073	2,965	6,172	10,988	12,491	8,638	4,329
1927	Wet	4,215	2,802	3,514	3,721	24,504	3,396	9,170	8,633	10,800	11,234	9,214	11,809
1928	Above Normal	4,571	5,897	3,647	3,772	2,128	11,349	3,051	6,809	12,239	14,437	8,915	8,804
1929	Critical	5,067	5,597	3,134	0	3,115	3,212	6,087	6,541	8,466	9,797	10,080	4,127
1930	Dry	4,734	4,110	2,457	3,067	2,581	2,869	5,170	5,860	9,519	10,015	7,003	3,762
1931	Critical	4,346	3,690	3,334	3,023	3,069	3,017	9,117	7,536	8,659	10,060	6,288	3,107
1932	Dry	3,128	2,874	3,373	3,251	3,042	2,745	5,272	4,366	7,218	6,602	6,439	4,139
1933	Critical	4,020	3,466	3,238	3,373	3,251	3,253	5,624	5,513	7,263	7,114	10,081	5,936
1934	Critical	3,122	3,103	3,287	2,964	2,958	3,095	5,797	6,097	8,366	10,175	3,584	2,828
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,024	9,504	9,886	8,940	4,423
1936	Below Normal	4,284	3,942	3,481	2,091	2,661	4,046	4,637	6,433	8,815	11,758	8,535	4,701
1937	Below Normal	5,177	4,812	3,484	3,251	3,252	3,252	2,779	4,602	8,389	9,519	8,054	3,842
1938	Wet	3,627	2,922	14,555	3,530	28,967	32,392	10,694	7,578	9,544	11,388	9,156	11,002
1939	Dry	4,542	6,108	3,933	3,434	4,345	3,137	8,541	6,990	8,903	11,789	9,197	3,530
1940	Above Normal	3,757	4,667	3,321	2,176	25,264	19,297	3,432	6,580	10,854	13,086	9,241	4,637
1941	Wet	4,926	4,489	6,405	22,828	20,463	11,263	11,900	10,937	9,442	9,896	11,329	12,145
1942	Wet	5,354	8,604	10,067	17,061	25,435	4,393	3,700	10,007	8,775	10,119	10,887	12,148
1943	Wet	5,240	9,514	2,984	7,665	7,464	11,264	5,051	7,691	10,330	12,727	9,152	12,023
1944	Dry	4,739	8,615	3,899	3,964	2,773	2,093	6,764	5,775	7,591	10,025	7,336	3,116
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	6,104	9,545	11,213	8,827	5,409	5,008
1946	Below Normal	5,283	3,574	19,377	6,831	4,260	4,420	7,129	7,820	10,740	11,539	8,799	4,369
1947	Dry	5,181	4,100	3,632	3,770	3,029	2,971	5,885	9,045	9,334	12,517	8,632	4,788
1948	Below Normal	3,864	3,854	3,924	2,798	3,148	3,066	2,602	9,646	9,094	11,893	8,970	7,014
1949	Dry	6,416	4,476	4,001	3,862	3,069	7,104	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,442	4,207	3,900	4,128	4,394	6,447	4,785	4,439	7,960	7,495	3,077
1951	Above Normal	6,363	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,245	6,700	9,968	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,565	8,314	4,042	26,911	3,195	2,409	4,978	9,929	9,575	11,208	9,576	12,086
1954	Above Normal	3,738	8,900	3,058	9,956	16,981	8,256	9,789	7,431	10,282	13,531	9,432	7,790
1955	Dry	4,998	5,744	3,658	2,466	3,126	3,255	5,983	5,724	8,995	12,585	8,125	3,731
1956	Wet	4,126	3,355	24,919	28,406	20,332	3,269	3,201	10,773	9,560	9,323	8,904	10,724
1957	Above Normal	5,629	10,432	4,000	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,076	3,841	4,172	12,726	2,537	8,218	8,132	11,972	12,221	9,037	1,924
1960	Dry	5,509	4,432	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,895
1961	Dry	4,907	3,803	5,400	3,071	9,119	5,610	5,954	7,039	10,725	13,544	9,822	4,655
1962	Below Normal	5,632	5,538	3,797	3,955	13,507	3,832	6,320	7,690	10,264	11,758	8,304	3,755
1963	Wet	6,733	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,935	8,508	9,149
1964	Dry	4,116	5,374	4,219	3,451	2,140	3,227	9,436	7,558	9,327	10,226	7,871	3,950
1965	Wet	4,029	3,742	16,133	19,879	4,223	4,503	6,116	6,884	10,129	11,676	7,701	11,253
1966	Below Normal	4,882	7,156	3,599	3,815	3,397	10,474	6,253	8,028	13,103	13,585	8,030	4,514
1967	Wet	5,542	3,606	10,304	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,624
1968	Below Normal	5,675	6,708	3,631	3,796	12,939	2,447	6,842	7,268	10,856	12,764	6,629	3,763
1969	Wet	4,143	3,416	4,039	22,168	19,852	5,140	11,360	10,987	10,021	10,436	9,076	10,785
1970	Wet	3,629	5,265	13,043	48,536	12,335	3,481	6,824	7,285	10,107	12,863	8,020	9,932
1971	Wet	6,429	4,568	5,248	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,344	8,210	3,637	3,420	3,526	8,541	7,445	6,880	12,091	13,454	7,845	3,148
1973	Above Normal	4,836	5,090	6,670	13,394	17,113	5,950	4,051	6,302	11,608	13,216	7,050	4,455
1974	Wet	4,455	25,743	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325
1975	Wet	6,616	10,849	3,835	3,872	3,572	22,950	3,882	9,184	10,621	8,993	9,637	9,999
1976	Critical	6,957	8,735	3,461	298	5,299	3,257	5,594	6,646	9,823	11,083	3,665	1,907
1977	Critical	6,119	4,999	4,520	4,144	6,375	4,483	9,943	5,707	12,989	11,929	5,024	3,883
1978	Above Normal	3,721	3,993	3,226	76	6,849	12,939	5,817	8,913	11,271	10,713	8,589	4,498
1979	Below Normal	6,505	6,484	4,050	4,361	2,869	2,765	3,254	5,354	10,609	10,205	6,196	3,886
1980	Above Normal	4,201	5,546	3,917	17,330	28,377	3,796	4,501	6,840	10,119	10,538	8,533	3,377
1981	Dry	4,572	7,978	3,679	3,337	2,578	2,604	3,643	8,217	14,298	12,563	6,685	3,966
1982	Wet	3,019	7,081	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,945	9,677	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,538	7,487	10,699	13,410	7,444	10,695
1985	Dry	3,074	6,114	5,392	2,718	3,119	3,252	6,020	8,976	11,116	9,739	7,538	4,045
1986	Wet	4,614	5,090	3,860	3,367	40,440	18,882	2,088	7,941	11,492	10,364	8,637	3,580
1987	Dry	3,951	5,978	4,304	3,330	2,838	2,615	7,249	8,787	12,303	11,899	6,907	3,992
1988	Critical	5,917	4,250	2,837	3,147	5,313	3,369	5,326	5,870	11,090	11,560	9,559	3,792
1989	Dry	5,284	2,764	3,384	1,996	3,199	1,903	3,255	8,952	9,075	12,139	7,256	2,636
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,986	8,417	12,190	9,053	2,875
1991	Critical	4,435	3,980	3,251	4,930	3,252	2,971	3,254	6,188	8,050	8,412	5,648	3,554
1992	Critical	4,868	5,344	3,251	3,251	1,955	2,257	3,311	9,861	13,252	12,967	10,414	1,732
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,593	7,352	8,425
1994	Critical	6,194	6,689	3,971	3,051	2,909	3,189	8,070	6,776	10,750	11,966	10,172	2,995
1995	Wet	4,598	4,470	3,225	7,863	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	7,648	2,285	3,226	32,058	8,782	4,171	10,888	9,350	10,361	7,957	10,590
1997	Wet	6,831	8,472	24,150	32,560	4,019	4,479	6,578	9,159	10,133	12,229	6,653	10,921
1998	Wet	6,126	8,518	4,023	8,604	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	3,927	9,196	9,922	11,460	8,159	10,877
2000	Above Normal	5,277	11,064	3,940	2,621	32,514	6,438	2,878	7,748	11,146	13,556	8,685	6,574
2001	Dry	5,664	8,600	4,125	3,439	2,262	2,292	5,271	8,920	13,488	11,777	6,072	3,449
2002	Dry	5,660	3,485	2,972	8,218	2,981	3,083	6,707	8,266	11,296	10,626	7,285	4,192
2003	Above Normal	5,232	4,663	10,159	13,692	2,901	2,936	9,735	12,870	10,070	13,738	7,542	5,853

Simulated Shasta Reservoir Release to Sacramento River (Node C4)

Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	3,788	5,831	3,361	2,632	3,840	4,339	4,011	7,940	12,486	11,603	9,891	7,219
1923	Below Normal	4,914	7,053	3,282	3,048	3,069	3,427	2,992	10,059	10,077	10,697	8,108	3,440
1924	Critical	4,458	4,833	4,176	1,823	2,922	4,084	8,071	8,020	9,972	9,992	8,456	4,803
1925	Dry	3,861	2,869	2,826	0	1,633	2,821	2,539	5,331	8,890	10,327	8,961	5,020
1926	Dry	5,262	4,149	3,485	3,184	1,710	3,073	2,965	6,200	11,197	12,511	8,589	4,341
1927	Wet	4,217	2,802	3,514	3,871	24,901	3,396	9,170	8,633	10,799	11,235	9,256	11,791
1928	Above Normal	4,570	5,906	3,647	3,772	2,128	11,318	3,051	6,821	12,246	14,322	8,940	8,829
1929	Critical	5,070	5,609	3,134	0	2,965	3,212	6,086	6,541	8,466	9,795	10,080	4,128
1930	Dry	4,730	4,106	2,373	3,067	2,581	2,869	5,171	5,863	9,524	10,080	7,048	3,649
1931	Critical	4,345	3,689	3,333	3,023	3,069	3,017	9,114	7,537	8,656	10,067	6,428	3,106
1932	Dry	3,129	2,908	3,373	3,251	3,042	2,745	5,272	4,358	7,207	6,601	6,442	4,138
1933	Critical	4,022	3,464	3,238	3,373	3,251	3,253	5,624	5,513	7,256	7,114	10,081	5,934
1934	Critical	3,198	3,103	3,178	2,964	2,958	3,095	5,796	6,121	8,361	10,232	3,616	2,832
1935	Below Normal	2,592	3,654	3,251	3,251	3,067	3,163	2,482	4,023	9,504	9,887	8,940	4,422
1936	Below Normal	4,283	3,940	3,481	2,091	2,661	4,046	4,635	6,431	8,813	11,794	8,535	4,699
1937	Below Normal	5,175	4,810	3,484	3,251	3,252	2,779	4,599	8,385	9,501	8,050	3,840	
1938	Wet	3,627	2,922	14,568	3,530	28,967	32,392	10,694	7,578	9,543	11,386	9,155	10,869
1939	Dry	4,494	6,768	3,767	3,434	4,342	3,137	8,495	6,965	8,806	11,789	8,882	3,710
1940	Above Normal	4,071	4,677	3,321	2,176	24,938	19,297	3,432	6,583	10,860	13,086	9,245	5,084
1941	Wet	4,952	4,517	5,909	22,828	20,463	11,263	11,900	10,937	9,441	9,897	11,329	12,145
1942	Wet	5,326	8,628	10,072	17,061	25,435	4,393	3,700	10,007	8,774	10,118	10,888	12,146
1943	Wet	5,240	9,500	2,984	7,679	7,464	11,264	5,051	7,691	10,322	12,690	9,144	12,136
1944	Dry	4,741	9,018	3,899	3,964	2,773	1,967	6,758	5,767	7,572	9,961	7,282	3,108
1945	Below Normal	4,561	4,123	3,107	3,289	3,508	4,288	5,004	5,556	8,999	11,182	8,323	4,934
1946	Below Normal	4,831	4,579	21,222	6,831	4,260	4,420	7,113	7,807	10,726	11,531	8,788	4,363
1947	Dry	5,179	4,099	3,632	3,770	3,029	2,971	5,888	9,048	9,350	12,519	8,637	4,830
1948	Below Normal	3,866	3,854	3,924	2,798	3,147	3,066	2,602	9,642	9,094	11,899	8,970	7,008
1949	Dry	6,411	4,475	4,001	3,862	3,069	7,110	5,195	6,740	10,599	10,932	8,219	3,616
1950	Below Normal	5,439	4,443	4,207	3,900	4,128	4,394	4,439	6,446	8,784	9,393	7,496	3,076
1951	Above Normal	6,330	9,040	14,336	6,924	14,556	3,973	6,421	5,424	11,424	13,536	8,736	4,683
1952	Wet	4,244	6,699	9,970	7,751	16,976	10,309	17,152	8,894	7,688	9,694	10,720	8,565
1953	Wet	6,588	9,509	2,980	26,795	3,195	2,409	4,978	9,930	9,575	11,209	9,575	12,086
1954	Above Normal	3,738	8,784	3,058	10,068	16,981	8,256	9,789	7,431	10,282	13,531	9,433	7,790
1955	Dry	4,989	5,771	3,658	2,461	3,126	3,255	5,722	8,994	5,222	12,583	8,265	3,678
1956	Wet	4,123	3,355	24,978	28,406	20,332	3,269	3,201	10,773	9,559	9,323	8,905	10,723
1957	Above Normal	5,630	10,432	4,001	3,941	2,170	8,487	5,760	8,549	10,330	13,503	8,612	6,025
1958	Wet	5,471	6,731	8,386	11,207	28,337	38,079	10,397	6,542	9,306	10,833	11,466	9,104
1959	Below Normal	6,741	10,152	3,841	4,099	12,726	2,537	8,216	8,135	11,974	12,221	9,041	1,925
1960	Dry	5,503	4,434	4,206	3,196	2,649	3,228	6,461	4,866	12,214	13,191	7,661	4,897
1961	Dry	4,906	3,803	5,396	3,071	9,119	5,610	5,954	7,039	10,724	13,544	9,821	4,654
1962	Below Normal	5,631	5,538	3,797	3,954	13,511	3,832	6,320	7,689	10,263	11,758	8,303	3,754
1963	Wet	6,735	5,151	8,661	4,377	7,595	5,970	28,876	5,224	9,636	12,936	8,508	9,115
1964	Dry	4,133	5,390	4,204	3,456	2,140	3,227	9,437	7,559	9,328	10,227	7,873	3,951
1965	Wet	4,029	3,742	16,135	19,879	4,223	4,503	6,116	6,868	10,109	11,662	7,687	11,247
1966	Below Normal	4,895	7,013	3,599	3,815	3,397	10,667	6,253	8,036	13,112	13,585	8,036	4,457
1967	Wet	5,520	3,606	10,358	8,323	6,941	14,391	9,225	13,713	9,420	10,379	10,871	9,745
1968	Below Normal	5,559	8,539	3,631	3,796	11,049	2,447	6,847	7,269	10,856	12,764	6,629	3,763
1969	Wet	4,141	3,416	4,039	22,165	19,852	5,140	11,360	10,987	10,021	10,453	9,077	10,767
1970	Wet	3,583	5,275	13,079	48,536	12,335	3,481	6,824	7,285	10,114	12,860	8,020	9,932
1971	Wet	6,453	4,529	5,259	13,470	3,970	16,508	5,477	8,449	9,324	12,065	8,077	9,829
1972	Below Normal	6,347	8,206	3,637	3,420	3,526	8,542	7,445	6,880	12,091	13,454	7,845	3,149
1973	Above Normal	4,835	5,090	6,670	13,394	17,113	5,950	6,302	11,608	13,215	7,050	5,324	
1974	Wet	3,816	25,537	18,915	34,416	4,622	33,288	5,235	6,237	9,744	8,352	11,429	9,325
1975	Wet	6,616	10,740	3,835	3,872	3,572	23,055	3,882	9,184	10,621	8,993	9,837	9,999
1976	Critical	6,956	8,761	3,461	298	5,300	3,257	5,594	6,646	9,797	11,159	3,627	1,907
1977	Critical	6,077	5,009	4,515	4,148	6,372	4,483	9,944	5,702	12,981	11,924	5,040	3,883
1978	Above Normal	3,721	3,991	3,226	76	6,850	12,939	5,817	8,913	11,270	10,714	8,588	4,498
1979	Below Normal	6,506	7,620	3,967	4,211	2,969	2,765	3,254	5,165	10,557	9,987	6,144	4,148
1980	Above Normal	3,895	5,158	3,917	17,330	28,377	3,796	4,605	6,830	10,106	10,522	7,980	4,770
1981	Dry	4,669	6,266	3,679	3,337	2,578	2,604	3,647	8,218	14,298	12,720	6,831	3,896
1982	Wet	3,019	7,543	21,138	6,380	22,607	10,942	24,091	4,087	8,148	8,944	9,678	8,649
1983	Wet	7,014	5,869	12,131	17,481	32,987	37,172	12,238	8,743	11,381	11,335	11,755	9,580
1984	Wet	7,174	10,825	22,755	5,287	4,040	9,266	5,537	7,487	10,699	13,410	7,444	10,695
1985	Dry	3,074	6,115	5,392	2,718	3,119	3,252	6,020	8,975	11,116	9,739	7,538	4,044
1986	Wet	4,614	5,089	3,860	3,367	40,441	18,882	2,088	7,941	11,491	10,364	8,637	3,517
1987	Dry	3,947	6,377	4,304	3,330	2,838	2,615	7,247	8,775	11,975	11,899	6,960	4,033
1988	Critical	5,978	4,251	2,837	3,147	5,255	3,365	5,359	5,869	11,088	11,516	9,550	3,791
1989	Dry	5,286	2,764	3,384	2,012	3,199	1,903	3,255	8,949	9,074	12,135	7,256	2,632
1990	Critical	3,370	3,636	3,911	2,945	3,178	3,253	7,079	4,987	8,418	12,192	9,056	2,876
1991	Critical	4,437	3,983	3,251	4,935	3,252	2,971	3,254	6,188	8,050	8,353	5,648	3,554
1992	Critical	4,870	5,350	3,251	3,251	1,955	2,257	3,312	9,870	13,262	12,962	10,417	1,694
1993	Above Normal	4,896	3,120	3,373	2,621	2,108	2,338	4,285	4,489	9,615	12,591	7,354	8,424
1994	Critical	6,194	6,673	3,971	3,051	2,909	3,188	8,071	6,787	10,763	11,963	10,172	2,999
1995	Wet	4,600	4,472	3,225	7,850	6,376	43,959	7,213	11,955	8,988	10,597	11,033	8,572
1996	Wet	6,372	8,889	2,141	3,050	31,119	8,782	4,170	10,888	9,351	10,360	7,957	10,589
1997	Wet	6,841	8,513	24,102	32,560	4,019	4,479	6,574	9,153	10,126	11,983	6,636	11,082
1998	Wet	6,296	7,798	3,873	9,401	39,809	17,007	2,686	15,029	16,363	12,233	12,059	9,764
1999	Wet	7,493	9,385	9,941	6,877	22,287	10,963	9,927	9,196	9,922	11,461	8,160	10,877
2000	Above Normal	5,347	11,026	3,950	2,578	32,514	6,438	2,878	7,748	11,147	13,556	8,684	6,574
2001	Dry	5,660	8,598	4,166	3,439	2,262	2,292	5,272	8,918	13,490	11,777	6,025	3,449
2002	Dry	5,661	3,485	2,972	8,228	2,981	3,083	6,708	8,267	11,297	10,626	7,286	4,193
2003	Above Normal	5,317	4,669	10,064	13,692	2,901	2,936	9,735	12,870	10,070	13,731	7,542	5,859

Change in Simulated Shasta Reservoir Release to Sacramento River (Node C4)
 Alternative 5 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	157	697	0	0	-107	0	0	-528	-560	-40	-421	-520
1924	Critical	-518	-510	-507	1,134	0	8	458	16	126	149	726	-599
1925	Dry	-14	0	0	0	0	0	0	5	9	-239	-5	239
1926	Dry	5	1	0	0	0	0	0	29	209	20	-49	12
1927	Wet	1	0	0	150	397	0	0	0	-1	0	42	-18
1928	Above Normal	-1	8	0	0	0	-31	0	12	7	-115	25	25
1929	Critical	3	13	0	0	-150	0	-1	0	0	-2	0	0
1930	Dry	-4	-4	-85	0	0	0	2	3	5	64	46	-114
1931	Critical	-1	-1	0	0	0	0	-3	1	-3	7	140	0
1932	Dry	0	34	0	0	0	0	0	-8	-10	-1	3	0
1933	Critical	2	-3	0	0	0	0	0	0	-6	0	0	-2
1934	Critical	76	0	-109	0	0	0	-1	24	-5	58	33	4
1935	Below Normal	0	0	0	0	0	0	0	-1	0	1	0	-2
1936	Below Normal	-2	-2	0	0	0	0	-2	-2	-2	36	0	-2
1937	Below Normal	-2	-3	0	0	0	0	0	-3	-4	-18	-4	-2
1938	Wet	0	0	13	0	0	0	0	0	-1	-1	-1	-134
1939	Dry	-48	660	-166	0	-3	0	-46	-25	-97	0	-314	180
1940	Above Normal	314	10	0	0	-326	0	0	3	5	0	4	447
1941	Wet	26	28	-495	0	0	0	0	0	-1	1	0	0
1942	Wet	-27	24	5	0	0	0	0	0	-1	-1	1	-1
1943	Wet	1	-14	0	14	0	0	0	0	-7	-37	-8	113
1944	Dry	2	403	0	0	0	-126	-6	-8	-19	-64	-54	-8
1945	Below Normal	0	0	0	0	0	0	-503	-548	-546	-31	-505	-474
1946	Below Normal	-452	1,006	1,845	0	0	0	-16	-13	-14	-8	-11	-6
1947	Dry	-2	0	0	0	0	0	2	4	16	2	6	42
1948	Below Normal	2	0	0	0	-1	0	0	-4	0	6	0	-6
1949	Dry	-5	-1	0	0	0	6	0	0	0	0	0	0
1950	Below Normal	0	1	0	0	0	0	0	-1	-1	33	1	-1
1951	Above Normal	-34	0	0	0	0	0	0	0	0	0	0	0
1952	Wet	-1	-1	2	0	0	0	0	0	0	0	0	0
1953	Wet	24	1,194	-1,062	-116	0	0	-1	1	0	0	0	0
1954	Above Normal	0	-116	0	112	0	0	0	0	0	0	0	0
1955	Dry	-9	27	0	-5	-1	0	0	-2	-2	-3	-10	-53
1956	Wet	-3	0	59	0	0	0	0	0	0	0	1	-1
1957	Above Normal	1	0	0	0	0	0	0	0	0	0	0	0
1958	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1959	Below Normal	0	76	0	-74	0	0	-2	3	1	0	5	1
1960	Dry	-6	2	0	0	0	0	-1	0	0	-1	0	2
1961	Dry	-1	0	-5	0	0	0	0	0	-1	0	-1	-2
1962	Below Normal	0	0	0	-1	4	0	0	0	0	0	0	0
1963	Wet	2	0	0	0	0	0	0	0	0	0	0	-34
1964	Dry	17	16	-15	5	-1	0	1	1	2	1	2	1
1965	Wet	0	0	2	0	0	0	0	-16	-20	-14	-14	-6
1966	Below Normal	14	-143	0	0	0	192	0	8	9	0	6	-57
1967	Wet	-22	0	54	0	0	0	0	0	0	0	0	121
1968	Below Normal	-116	1,831	0	0	-1,889	0	5	1	0	0	0	0
1969	Wet	-2	0	0	-3	0	0	0	0	0	17	1	-18
1970	Wet	-46	10	36	0	0	0	0	0	7	-3	0	0
1971	Wet	23	-39	11	0	0	0	0	0	0	0	1	0
1972	Below Normal	3	-4	0	0	0	1	0	0	0	0	0	1
1973	Above Normal	-1	0	0	0	0	0	0	0	0	-1	0	869
1974	Wet	-639	-206	0	0	0	0	0	0	0	0	0	0
1975	Wet	0	-108	0	0	0	105	0	0	0	0	0	1
1976	Critical	-1	26	0	0	1	0	0	-1	-25	76	-38	1
1977	Critical	-42	11	-5	4	-3	0	0	-6	-9	-5	16	0
1978	Above Normal	0	-2	0	0	0	0	0	0	-1	1	-1	0
1979	Below Normal	0	1,136	-83	-150	100	0	0	-189	-52	-218	-52	261
1980	Above Normal	-306	-388	0	0	0	0	104	-10	-13	-16	-553	1,393
1981	Dry	98	-1,711	0	0	0	0	3	2	0	158	145	-70
1982	Wet	0	463	0	0	0	0	0	0	0	0	1	0
1983	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	0
1985	Dry	0	0	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	-1	0	0	1	0	0	0	0	0	0	-64
1987	Dry	-4	400	0	0	0	0	-2	-12	-328	0	53	41
1988	Critical	61	1	0	0	-58	-4	33	-1	-2	-45	-9	-1
1989	Dry	2	0	0	16	0	0	0	-4	-1	-4	0	-4
1990	Critical	0	0	0	0	0	0	1	1	1	2	3	1
1991	Critical	2	2	0	4	0	0	0	0	0	-59	0	0
1992	Critical	2	6	0	0	0	0	1	9	10	-5	3	-38
1993	Above Normal	0	0	0	0	0	0	0	0	0	-2	2	0
1994	Critical	1	-16	0	0	0	-1	1	11	13	-3	0	3
1995	Wet	2	2	0	-13	0	0	0	0	0	0	0	0
1996	Wet	0	1,241	-144	-176	-939	0	0	0	1	-1	-1	0
1997	Wet	9	41	-49	0	0	0	-4	-6	-7	-246	-17	161
1998	Wet	170	-720	-150	797	0	0	0	0	0	0	0	0
1999	Wet	0	0	0	0	0	0	0	0	0	0	0	0
2000	Above Normal	69	-38	10	-43	0	0	0	0	1	0	-1	0
2001	Dry	-4	-1	42	0	0	0	0	-2	2	0	-47	0
2002	Dry	1	0	0	10	0	0	1	1	1	0	1	1
2003	Above Normal	85	6	-95	0	0	0	0	0	1	-7	1	6

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,619	2,820	3,178	3,315	3,289	2,731	2,250	2,101
1924	Critical	1,988	1,881	1,808	1,861	2,041	2,035	2,001	1,883	1,720	1,240	1,153	1,132
1925	Dry	1,139	1,184	1,245	1,342	1,957	2,225	2,522	2,664	2,485	1,917	1,639	1,341
1926	Dry	1,248	1,251	1,252	1,360	1,860	2,108	2,733	2,647	3,329	1,702	1,370	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,512	1,913
1928	Above Normal	1,720	1,827	1,800	1,974	2,085	2,797	3,233	3,361	3,081	2,456	1,950	1,459
1929	Critical	1,248	1,238	1,231	1,253	1,356	1,485	1,465	1,406	1,289	1,172	1,079	1,051
1930	Dry	1,023	1,015	1,477	1,757	1,913	2,375	2,718	2,866	2,631	2,030	1,753	1,461
1931	Critical	1,390	1,403	1,429	1,562	1,687	1,890	1,789	1,733	1,602	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,384	1,655	1,922	2,260	2,316	1,780	1,446	1,377
1933	Critical	1,276	1,251	1,253	1,336	1,424	1,390	1,459	1,517	1,453	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,292	1,379	1,643	1,634	1,517	1,341	1,232	1,126	1,103
1935	Below Normal	1,071	1,120	1,184	1,376	1,569	1,840	2,855	3,339	3,343	2,747	2,244	1,918
1936	Below Normal	1,816	1,756	1,746	2,258	2,788	2,954	3,353	3,538	3,538	2,964	2,473	2,351
1937	Below Normal	2,115	2,011	1,761	1,803	1,973	2,324	2,707	3,048	2,750	2,178	1,806	1,707
1938	Wet	1,511	1,688	2,584	2,864	2,788	2,788	3,277	3,538	3,538	3,411	3,198	2,771
1939	Dry	2,687	2,711	2,733	2,830	2,916	3,108	3,057	2,924	2,723	2,108	1,682	1,275
1940	Above Normal	1,248	1,230	1,252	1,718	2,707	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,598	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,544
1943	Wet	2,423	2,535	2,848	2,788	2,890	2,937	3,350	3,526	3,538	2,965	2,513	1,945
1944	Dry	1,818	1,801	1,567	1,641	1,779	1,998	2,124	2,351	2,176	1,587	1,241	1,178
1945	Below Normal	1,129	1,204	1,333	1,494	2,097	2,389	2,632	2,893	2,898	2,337	1,899	1,735
1946	Below Normal	1,585	1,636	2,283	2,685	2,888	3,063	3,387	3,538	3,441	2,870	2,383	2,155
1947	Dry	1,937	1,955	2,045	2,111	2,387	2,715	2,870	2,773	2,603	1,997	1,623	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,019
1949	Dry	1,917	1,900	1,916	1,969	2,050	2,336	2,615	2,793	2,574	1,986	1,656	1,283
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,706	2,243	2,048
1951	Above Normal	2,074	2,643	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,528	3,109
1953	Wet	2,982	3,002	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,036	2,815	2,306
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,626	1,650	1,743	1,872	1,959	2,097	2,167	2,346	2,249	1,688	1,461	1,261
1956	Wet	1,229	1,208	2,706	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,478
1957	Above Normal	2,410	2,444	2,220	2,330	2,730	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,354	2,862
1959	Below Normal	2,733	2,754	2,558	2,884	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,563
1960	Dry	1,417	1,321	1,304	1,430	2,027	2,591	2,774	2,853	2,638	2,052	1,650	1,258
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,981	2,023	2,175	2,303	2,436	2,539	2,644	2,582	2,000	1,738	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,135
1966	Below Normal	2,050	2,165	2,287	2,467	2,557	2,785	3,091	3,124	2,864	2,247	1,755	1,338
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,959
1968	Below Normal	2,849	2,866	2,800	2,922	2,962	3,036	3,181	3,266	3,036	2,398	1,978	1,680
1969	Wet	1,592	1,652	1,874	2,788	2,788	3,027	3,470	3,538	3,538	3,445	3,347	2,941
1970	Wet	2,915	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,041	1,666
1971	Wet	1,543	1,740	2,119	2,455	2,718	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,750	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,243	2,788
1975	Wet	2,669	2,728	2,799	2,875	2,884	2,833	3,277	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,523	2,631	2,582	2,700	2,831	2,990	2,912	2,799	2,608	2,027	1,737	1,425
1977	Critical	1,248	1,246	1,214	1,195	1,179	1,191	1,079	1,020	803	746	746	754
1978	Above Normal	742	766	971	1,839	2,347	2,944	3,218	3,536	3,538	3,001	2,629	2,286
1979	Below Normal	2,147	2,127	1,879	2,082	2,398	2,766	2,991	3,276	3,021	2,466	2,066	1,971
1980	Above Normal	1,961	2,019	2,142	2,813	2,788	3,028	3,294	3,491	3,464	3,124	3,042	2,990
1981	Dry	2,826	2,800	2,816	2,947	3,075	3,024	3,189	3,175	2,872	2,247	1,882	1,503
1982	Wet	1,516	2,447	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,015	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,431	1,972
1987	Dry	1,861	1,888	1,637	1,653	1,813	2,136	2,157	1,967	1,645	1,241	1,087	1,020
1988	Critical	1,061	1,171	1,468	1,717	1,780	1,866	1,901	1,877	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,127	3,030	2,750	2,154	1,750	1,462
1990	Critical	1,495	1,514	1,457	1,598	1,682	1,946	1,921	1,940	1,862	1,272	1,232	1,160
1991	Critical	1,179	1,217	1,235	1,207	1,222	1,567	1,766	1,897	1,719	1,240	1,185	1,165
1992	Critical	1,169	1,186	1,210	1,247	1,466	1,706	1,846	1,688	1,396	1,234	1,093	967
1993	Above Normal	1,018	1,051	1,221	1,762	2,272	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,324	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,331
1996	Wet	3,163	3,054	3,122	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,215	2,317	2,788	2,788	2,952	3,123	3,304	3,344	3,203	2,622	2,369	1,817
1998	Wet	1,700	1,770	1,968	2,706	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,552
2000	Above Normal	2,414	2,478	2,266	2,523	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,526	1,591	1,690	1,900	1,966	1,895	1,615	1,240	1,131	1,041
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,506	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,987

Simulated End-of-Month Oroville Reservoir Storage (Node S6)

Alternative 5 (taf)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	2,386	2,395	2,404	2,537	2,813	2,922	3,446	3,538	3,538	3,119	2,865	2,377
1923	Below Normal	2,276	2,278	2,354	2,606	2,616	2,817	3,176	3,313	3,287	2,730	2,249	2,071
1924	Critical	1,961	1,855	1,783	1,836	2,016	2,010	1,976	1,857	1,694	1,240	1,155	1,135
1925	Dry	1,142	1,187	1,247	1,345	1,960	2,228	2,525	2,666	2,480	1,911	1,638	1,339
1926	Dry	1,248	1,251	1,252	1,356	1,856	2,104	2,730	2,645	2,327	1,718	1,379	1,244
1927	Wet	1,241	1,517	1,502	1,803	2,788	2,999	3,396	3,538	3,538	2,984	2,513	1,913
1928	Above Normal	1,720	1,828	1,801	1,975	2,085	2,797	3,233	3,361	3,081	2,455	1,949	1,459
1929	Critical	1,248	1,237	1,231	1,253	1,355	1,485	1,465	1,405	1,288	1,172	1,078	1,051
1930	Dry	1,022	1,015	1,477	1,756	1,913	2,375	2,717	2,866	2,631	2,030	1,753	1,463
1931	Critical	1,393	1,405	1,431	1,565	1,690	1,893	1,792	1,736	1,605	1,240	1,113	1,083
1932	Dry	1,070	1,087	1,037	1,240	1,383	1,655	1,922	2,260	2,316	1,780	1,449	1,380
1933	Critical	1,278	1,251	1,253	1,338	1,426	1,392	1,461	1,519	1,455	1,240	1,155	1,127
1934	Critical	1,110	1,113	1,107	1,293	1,379	1,644	1,634	1,517	1,342	1,233	1,126	1,104
1935	Below Normal	1,080	1,129	1,193	1,386	1,578	1,850	2,864	3,349	3,353	2,756	2,254	1,928
1936	Below Normal	1,826	1,767	1,756	2,268	2,788	2,954	3,353	3,538	3,538	2,963	2,473	2,352
1937	Below Normal	2,116	2,012	1,763	1,804	1,975	2,325	2,708	3,050	2,713	2,141	1,783	1,684
1938	Wet	1,488	1,665	2,561	2,841	2,788	2,788	3,277	3,538	3,538	3,397	3,187	2,688
1939	Dry	2,604	2,628	2,667	2,763	2,849	3,041	2,991	2,862	2,662	2,047	1,624	1,244
1940	Above Normal	1,238	1,221	1,246	1,711	2,700	2,788	3,238	3,413	3,293	2,677	2,178	1,727
1941	Wet	1,597	1,572	2,084	2,655	2,788	2,918	3,334	3,538	3,538	3,187	3,088	2,527
1942	Wet	2,437	2,477	2,788	2,788	2,806	3,058	3,281	3,538	3,538	3,234	3,075	2,516
1943	Wet	2,395	2,507	2,820	2,788	2,890	2,937	3,350	3,526	3,538	2,966	2,514	1,947
1944	Dry	1,820	1,803	1,567	1,641	1,780	1,998	2,125	2,352	2,176	1,588	1,241	1,172
1945	Below Normal	1,123	1,198	1,327	1,488	2,091	2,383	2,627	2,887	2,627	2,332	1,864	1,665
1946	Below Normal	1,515	1,602	2,249	2,651	2,846	3,063	3,387	3,538	3,431	2,860	2,373	2,148
1947	Dry	1,931	1,949	2,038	2,104	2,380	2,709	2,864	2,766	2,597	1,990	1,619	1,258
1948	Below Normal	1,248	1,251	1,252	1,532	1,619	1,814	2,474	2,941	3,105	2,584	2,105	2,018
1949	Dry	1,917	1,900	1,915	1,968	2,049	2,336	2,614	2,793	2,574	1,986	1,653	1,280
1950	Below Normal	1,248	1,251	1,252	1,494	1,954	2,394	2,888	3,192	3,252	2,708	2,246	2,051
1951	Above Normal	2,076	2,645	2,866	2,846	2,925	3,105	3,361	3,538	3,418	2,805	2,325	1,923
1952	Wet	1,827	1,835	2,313	2,757	2,832	2,988	3,452	3,538	3,538	3,538	3,529	3,088
1953	Wet	2,963	2,983	2,918	2,809	3,058	3,059	3,284	3,538	3,538	3,037	2,815	2,366
1954	Above Normal	2,197	2,281	2,154	2,328	2,696	2,943	3,292	3,481	3,261	2,646	2,182	1,734
1955	Dry	1,624	1,648	1,742	1,870	1,957	2,095	2,165	2,345	2,247	1,686	1,459	1,271
1956	Wet	1,239	1,218	2,716	2,788	2,788	3,018	3,427	3,538	3,538	3,185	2,968	2,477
1957	Above Normal	2,409	2,443	2,218	2,328	2,729	2,990	3,166	3,459	3,485	2,880	2,408	1,985
1958	Wet	2,005	2,010	2,231	2,532	2,788	2,788	3,235	3,538	3,538	3,420	3,353	2,861
1959	Below Normal	2,733	2,754	2,558	2,883	2,839	3,054	3,137	3,204	2,950	2,300	1,797	1,564
1960	Dry	1,420	1,327	1,312	1,438	2,035	2,599	2,782	2,861	2,646	2,060	1,656	1,263
1961	Dry	1,248	1,251	1,330	1,444	1,743	2,003	2,124	2,205	2,089	1,478	1,241	1,211
1962	Below Normal	1,181	1,202	1,252	1,373	1,944	2,288	2,790	2,873	2,847	2,253	1,773	1,467
1963	Wet	2,140	2,268	2,635	2,940	3,057	2,927	3,180	3,538	3,535	2,951	2,516	1,968
1964	Dry	1,831	1,982	2,024	2,176	2,304	2,437	2,540	2,645	2,583	2,001	1,739	1,328
1965	Wet	1,248	1,251	2,788	2,788	2,997	3,096	3,354	3,538	3,538	2,982	2,681	2,136
1966	Below Normal	2,050	2,165	2,287	2,467	2,558	2,785	3,092	3,125	2,864	2,247	1,755	1,340
1967	Wet	1,248	1,319	1,688	2,324	2,766	2,847	3,236	3,538	3,538	3,538	3,492	2,957
1968	Below Normal	2,846	2,863	2,787	2,922	2,962	3,036	3,181	3,266	3,038	2,400	1,980	1,682
1969	Wet	1,614	1,674	1,896	2,788	2,788	3,027	3,470	3,538	3,538	3,446	3,352	2,951
1970	Wet	2,914	2,993	2,806	2,787	2,787	3,163	3,240	3,295	3,119	2,489	2,040	1,670
1971	Wet	1,546	1,744	2,122	2,458	2,721	3,162	3,433	3,538	3,538	3,038	2,716	2,175
1972	Below Normal	2,145	2,190	2,313	2,511	2,761	3,163	3,323	3,404	3,170	2,545	2,077	1,746
1973	Above Normal	1,703	1,864	2,142	2,749	2,788	2,951	3,293	3,538	3,292	2,683	2,333	1,996
1974	Wet	1,883	2,663	2,800	2,870	3,009	2,788	3,292	3,538	3,538	3,234	3,244	2,756
1975	Wet	2,637	2,697	2,768	2,844	2,884	2,833	3,276	3,538	3,538	3,067	3,067	2,544
1976	Critical	2,520	2,629	2,579	2,697	2,829	2,987	2,910	2,796	2,605	2,027	1,737	1,425
1977	Critical	1,248	1,247	1,215	1,196	1,180	1,193	1,081	1,022	805	748	748	755
1978	Above Normal	743	768	973	1,841	2,349	2,944	3,218	3,536	3,538	3,001	2,628	2,284
1979	Below Normal	2,147	2,126	1,877	2,080	2,395	2,763	2,989	3,273	3,020	2,465	2,066	1,909
1980	Above Normal	1,822	1,880	2,003	2,813	2,788	3,028	3,295	3,492	3,465	3,204	3,123	2,905
1981	Dry	2,743	2,717	2,740	2,887	3,075	3,024	3,189	3,175	2,872	2,247	1,881	1,506
1982	Wet	1,508	2,439	2,788	2,943	2,987	2,936	3,303	3,538	3,538	3,380	3,362	3,221
1983	Wet	3,149	2,981	2,930	2,854	2,788	2,788	3,208	3,538	3,538	3,538	3,538	3,351
1984	Wet	3,163	2,950	2,788	3,091	3,078	3,120	3,356	3,505	3,363	2,766	2,434	1,939
1985	Dry	1,847	2,055	2,216	2,308	2,498	2,732	2,983	2,879	2,593	2,014	1,742	1,482
1986	Wet	1,321	1,252	1,319	1,644	2,843	2,788	3,142	3,231	3,179	2,626	2,355	1,962
1987	Dry	1,851	1,878	1,627	1,642	1,802	2,125	2,146	1,957	1,634	1,241	1,087	1,020
1988	Critical	1,061	1,172	1,468	1,718	1,780	1,866	1,901	1,878	1,698	1,240	1,150	1,099
1989	Dry	1,144	1,267	1,362	1,428	1,551	2,742	3,128	3,030	2,750	2,155	1,757	1,468
1990	Critical	1,500	1,519	1,460	1,601	1,685	1,948	1,924	1,943	1,865	1,275	1,234	1,163
1991	Critical	1,182	1,219	1,238	1,209	1,225	1,569	1,768	1,900	1,721	1,240	1,187	1,167
1992	Critical	1,171	1,189	1,212	1,250	1,469	1,709	1,849	1,690	1,399	1,236	1,096	970
1993	Above Normal	1,020	1,054	1,224	1,765	2,275	2,964	3,456	3,538	3,538	3,013	2,570	2,096
1994	Critical	1,996	2,011	1,992	2,031	2,141	2,333	2,304	2,272	2,087	1,492	1,244	1,245
1995	Wet	1,216	1,252	1,355	2,623	2,788	2,788	3,208	3,538	3,538	3,538	3,473	3,321
1996	Wet	3,163	3,064	3,139	2,788	2,788	2,995	3,352	3,538	3,538	3,030	2,845	2,314
1997	Wet	2,216	2,318	2,788	2,788	2,952	3,123	3,304	3,344	3,213	2,616	2,363	1,810
1998	Wet	1,693	1,763	1,961	2,699	2,788	2,817	3,298	3,538	3,538	3,538	3,538	3,351
1999	Wet	3,163	3,008	3,107	2,788	2,788	2,817	3,202	3,529	3,538	3,013	2,885	2,561
2000	Above Normal	2,422	2,486	2,274	2,531	2,856	2,964	3,362	3,538	3,340	2,715	2,263	1,837
2001	Dry	1,744	1,741	1,538	1,604	1,702	1,912	1,979	1,908	1,627	1,240	1,131	1,040
2002	Dry	1,015	1,093	1,302	1,651	1,838	2,148	2,308	2,365	2,205	1,625	1,511	1,244
2003	Above Normal	1,214	1,251	1,692	2,253	2,553	2,912	3,286	3,538	3,538	2,900	2,459	1,986

Simulated Oroville Reservoir Release to Feather River (Node C6)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,300	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,314	1,614	2,572	3,480	3,737	10,799	9,331	3,801
1924	Critical	2,814	2,535	2,011	1,594	1,595	2,468	3,408	3,997	4,672	9,071	2,824	1,421
1925	Dry	849	842	845	1,416	756	647	2,029	2,863	6,057	10,892	6,215	6,405
1926	Dry	2,495	1,276	1,766	1,202	707	1,445	1,523	5,444	7,648	11,808	6,958	3,396
1927	Wet	1,023	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	10,994	10,138	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,170	2,589	3,546	7,588	12,519	10,017	9,502
1929	Critical	4,304	1,301	1,642	2,062	1,783	1,709	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,948	11,365	6,082	6,157
1931	Critical	2,053	1,092	841	793	798	682	4,853	3,485	4,291	7,166	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	7,041	2,459
1933	Critical	2,535	1,406	1,190	1,081	813	4,623	3,618	4,142	5,055	5,122	2,794	1,530
1934	Critical	1,087	870	2,667	1,397	3,551	765	4,062	4,593	5,040	3,102	3,087	1,400
1935	Below Normal	1,294	839	812	1,400	824	665	1,789	3,432	4,939	11,416	9,796	6,661
1936	Below Normal	2,592	2,071	1,644	1,500	5,741	5,375	2,603	3,318	4,101	10,931	9,540	3,392
1937	Below Normal	4,684	2,648	5,237	1,621	1,523	1,546	2,690	3,624	9,354	10,901	7,691	2,855
1938	Wet	4,142	1,601	1,540	1,522	13,275	19,226	14,276	19,855	11,317	6,286	6,514	9,859
1939	Dry	4,139	2,566	2,878	1,614	1,621	1,596	5,521	5,032	5,581	11,448	8,327	7,943
1940	Above Normal	1,286	1,200	1,187	1,651	1,006	19,615	5,524	3,154	5,599	12,718	10,461	10,011
1941	Wet	3,944	2,495	1,526	1,516	15,064	11,296	4,633	10,666	6,264	9,456	4,481	12,017
1942	Wet	4,156	2,531	7,644	14,192	17,466	2,630	11,198	7,824	9,163	8,926	5,590	11,502
1943	Wet	4,577	2,422	1,538	16,676	7,325	15,925	5,252	3,425	4,820	12,358	9,890	11,928
1944	Dry	4,581	2,694	5,419	2,012	1,979	1,962	3,680	3,664	6,761	11,285	7,384	2,416
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,080	11,239	9,502	3,715
1946	Below Normal	4,074	2,204	1,534	1,525	1,552	3,468	3,262	4,250	5,204	11,881	10,122	5,293
1947	Dry	4,569	2,503	1,534	1,607	1,509	1,527	2,856	4,590	5,621	11,395	7,661	7,418
1948	Below Normal	1,725	1,447	1,357	1,543	1,234	864	1,423	2,620	3,852	11,792	9,858	2,860
1949	Dry	2,629	1,708	1,561	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,942	7,420
1950	Below Normal	1,356	980	1,164	1,351	705	619	2,844	3,350	3,825	11,598	9,804	5,097
1951	Above Normal	2,069	1,560	12,245	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,346	9,625
1953	Wet	4,637	2,556	6,321	20,841	1,529	6,079	6,072	5,485	8,275	12,284	6,545	11,126
1954	Above Normal	4,331	2,493	5,708	2,778	1,517	6,612	7,182	3,421	7,667	12,724	9,990	9,910
1955	Dry	4,148	1,675	1,526	1,540	1,608	1,594	3,572	3,550	4,936	10,817	5,337	4,737
1956	Wet	1,403	1,685	2,172	19,481	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,879
1957	Above Normal	4,165	2,606	6,805	1,592	3,695	4,868	3,131	3,156	4,110	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,182	4,082	10,841
1959	Below Normal	4,699	2,636	6,481	1,462	7,663	2,117	4,258	3,598	6,803	12,349	9,768	5,397
1960	Dry	3,269	2,569	1,614	1,092	969	777	3,602	3,575	6,566	11,326	8,047	7,880
1961	Dry	1,132	1,698	1,400	1,077	963	889	2,999	3,599	5,141	11,642	5,525	1,757
1962	Below Normal	1,427	885	1,373	853	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,618	16,187	8,109	13,695	5,499	5,266	12,671	9,453	11,639
1964	Dry	4,029	2,002	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,803	8,155
1965	Wet	2,140	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,084	7,630	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,060	6,344	12,386	9,934	8,130
1967	Wet	2,319	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,608	11,496
1968	Below Normal	4,643	2,424	4,192	2,385	11,573	6,449	3,904	3,657	6,671	12,693	9,284	7,179
1969	Wet	3,320	1,577	1,524	9,511	12,367	6,318	9,203	15,400	6,407	4,368	4,460	9,940
1970	Wet	4,012	2,452	13,467	35,711	10,502	3,980	3,503	3,526	4,982	11,988	9,654	8,698
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,367	6,305	10,580	8,197	11,804	8,331	11,577
1972	Below Normal	3,891	2,347	1,501	1,492	1,495	2,001	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,253	5,948	2,915	5,074	6,759	11,148	7,317	7,077
1974	Wet	3,948	1,576	8,004	20,369	5,602	26,162	9,959	8,485	7,265	9,104	3,203	10,153
1975	Wet	4,078	2,404	1,578	1,626	7,873	12,729	2,610	10,960	8,991	10,775	3,012	11,268
1976	Critical	2,724	2,391	4,606	1,482	1,597	1,645	3,672	3,724	4,085	9,861	5,367	6,692
1977	Critical	3,691	1,106	1,213	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,391	6,175	3,629	4,679	10,476	8,726	8,535
1979	Below Normal	4,689	2,454	6,143	1,175	1,062	885	2,487	3,657	7,057	11,264	8,572	3,126
1980	Above Normal	2,713	1,760	1,675	9,616	17,951	5,136	2,897	3,344	3,613	7,885	2,988	2,663
1981	Dry	4,684	2,602	3,375	1,863	3,516	6,762	2,604	3,470	7,208	11,308	7,144	8,226
1982	Wet	2,105	1,069	13,343	8,118	17,776	13,215	20,114	10,721	6,684	6,400	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,676
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,580	5,775
1986	Wet	4,527	2,485	1,513	1,452	20,984	22,561	2,634	3,547	4,475	11,339	5,359	11,230
1987	Dry	4,742	2,480	5,738	1,652	1,578	1,490	2,812	4,659	6,014	6,887	2,878	2,638
1988	Critical	1,433	990	1,617	956	1,154	1,480	2,045	2,636	4,118	8,248	2,365	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,261	6,251
1990	Critical	1,952	2,439	3,292	668	664	574	3,757	2,256	3,614	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,292	883	1,255	1,689	2,055	4,768	9,334	2,599	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,602	3,420	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,509	4,954	9,632	6,981	11,930	9,925	10,217
1994	Critical	4,322	2,359	3,741	1,066	982	785	3,525	3,046	4,008	10,737	3,773	2,942
1995	Wet	2,129	1,100	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,263
1996	Wet	5,228	4,525	3,915	11,720	20,967	9,934	7,963	11,925	5,528	11,470	5,717	11,296
1997	Wet	4,183	2,528	14,828	40,731	10,066	5,233	3,529	3,385	4,834	11,284	6,299	11,027
1998	Wet	4,436	2,574	2,054	1,449	16,957	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,148	2,927	3,390	4,206	11,176	4,779	7,182
2000	Above Normal	4,420	2,412	6,319	1,538	8,638	9,179	2,368	3,684	6,517	12,832	9,661	9,422
2001	Dry	3,933	2,457	6,286	1,587	1,556	1,462	2,788	4,622	6,102	7,452	2,973	2,552
2002	Dry	2,637	1,230	1,653	996	1,078	776	3,327	2,837	4,105	10,616	3,385	6,422
2003	Above Normal	2,325	1,853	2,124	1,455	1,457	1,477	2,012	6,847	4,988	12,672	9,298	10,125

Simulated Oroville Reservoir Release to Feather River (Node C6)

Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	5,007	2,507	3,271	1,515	2,620	4,626	3,494	18,978	9,293	10,301	6,796	10,567
1923	Below Normal	4,159	2,546	3,833	1,521	3,350	1,614	2,572	3,480	3,737	10,784	9,323	4,302
1924	Critical	2,757	2,519	1,995	1,593	1,595	2,475	3,413	4,001	4,676	8,647	2,781	1,420
1925	Dry	848	841	846	1,416	755	646	2,029	2,863	6,187	10,896	6,152	6,415
1926	Dry	2,464	1,276	1,766	1,257	707	1,448	1,523	5,417	7,660	11,497	7,081	3,545
1927	Wet	1,022	1,562	4,106	706	2,657	6,935	6,543	6,337	4,734	11,994	10,132	11,693
1928	Above Normal	4,152	2,546	3,027	1,506	4,240	8,176	2,589	3,546	7,591	12,519	10,021	9,504
1929	Critical	4,294	1,311	1,642	2,052	1,794	1,706	4,366	5,563	4,914	3,474	2,925	1,533
1930	Dry	1,235	855	4,518	699	3,819	620	2,239	3,100	6,949	11,366	6,082	6,105
1931	Critical	2,052	1,091	841	793	798	682	4,852	3,485	4,291	7,210	3,370	1,511
1932	Dry	1,045	846	4,424	771	1,459	2,772	3,328	2,480	3,482	10,291	6,989	2,459
1933	Critical	2,545	1,449	1,190	1,048	813	4,623	3,618	4,142	5,053	5,156	2,794	1,529
1934	Critical	1,086	870	2,667	1,397	3,551	762	4,062	4,591	5,039	3,102	3,087	1,400
1935	Below Normal	1,153	839	812	1,400	824	665	1,789	3,432	4,938	11,416	9,796	6,600
1936	Below Normal	2,583	2,063	1,644	1,500	5,921	5,375	2,603	3,318	4,101	10,940	9,540	3,363
1937	Below Normal	4,684	2,648	5,237	1,621	1,522	1,546	2,690	3,624	9,999	10,901	7,464	2,855
1938	Wet	4,142	1,601	1,540	1,521	12,861	19,226	14,276	19,855	11,317	6,518	6,461	11,071
1939	Dry	4,139	2,566	2,610	1,613	1,620	1,594	5,521	4,962	5,569	11,435	8,288	7,504
1940	Above Normal	929	1,201	1,138	1,651	1,006	19,506	5,524	3,154	5,599	12,718	10,461	10,012
1941	Wet	3,948	2,495	1,526	1,516	15,057	11,296	4,633	10,666	6,264	9,456	4,480	12,017
1942	Wet	4,156	2,531	7,645	14,192	17,466	2,630	11,198	7,824	9,163	8,924	5,586	11,979
1943	Wet	4,575	2,421	1,537	16,225	7,325	15,925	5,252	3,424	4,821	12,343	9,887	11,925
1944	Dry	4,578	2,695	5,429	2,015	1,981	1,965	3,680	3,664	6,759	11,282	7,394	2,515
1945	Below Normal	1,731	1,628	2,169	1,504	1,510	1,546	2,987	3,140	4,079	11,229	9,501	4,812
1946	Below Normal	4,074	1,596	1,534	1,525	1,699	2,781	3,263	4,250	5,382	11,878	10,120	5,230
1947	Dry	4,570	2,504	1,534	1,606	1,509	1,527	2,856	4,590	5,622	11,397	7,632	7,337
1948	Below Normal	1,725	1,447	1,357	1,543	1,232	864	1,423	2,620	3,852	11,793	9,860	2,862
1949	Dry	2,633	1,711	1,562	1,616	1,612	1,571	3,268	3,329	6,546	11,268	6,978	7,420
1950	Below Normal	1,311	980	1,164	1,351	705	619	2,844	3,350	3,825	11,559	9,804	5,097
1951	Above Normal	2,068	1,560	12,284	11,507	10,677	4,468	3,327	3,688	5,716	12,601	10,160	9,090
1952	Wet	4,016	2,477	1,536	1,521	11,437	6,936	18,982	22,850	11,669	4,970	3,333	9,995
1953	Wet	4,615	2,540	6,014	20,841	1,529	6,079	6,072	5,485	8,275	12,282	6,544	11,124
1954	Above Normal	4,333	2,494	5,706	2,778	1,517	6,615	7,182	3,421	7,668	12,724	9,990	9,911
1955	Dry	4,175	1,675	1,526	1,539	1,608	1,593	3,572	3,550	4,935	10,816	5,335	4,544
1956	Wet	1,403	1,685	2,172	19,643	11,184	6,428	5,420	12,858	7,158	9,995	6,276	10,908
1957	Above Normal	4,165	2,606	6,806	1,592	3,695	4,840	3,131	3,156	4,111	12,549	9,608	8,825
1958	Wet	1,647	2,346	1,521	1,512	17,605	11,763	8,509	12,677	9,336	6,184	4,082	10,843
1959	Below Normal	4,699	2,636	6,482	1,462	7,658	2,117	4,258	3,597	6,804	12,352	9,767	5,367
1960	Dry	3,248	2,508	1,591	1,092	969	777	3,602	3,575	6,565	11,325	8,091	7,882
1961	Dry	1,216	1,698	1,401	1,077	963	888	2,999	3,599	5,141	11,642	5,524	1,757
1962	Below Normal	1,427	886	1,372	854	662	588	2,751	5,519	5,308	11,614	9,438	6,465
1963	Wet	1,059	1,018	979	1,617	16,187	8,109	13,695	5,499	5,267	12,735	9,453	11,679
1964	Dry	4,029	1,983	1,560	1,465	1,488	1,510	3,893	3,327	4,196	10,960	5,808	8,156
1965	Wet	2,153	1,813	2,998	18,949	4,652	5,154	9,337	5,998	5,015	12,080	7,632	11,722
1966	Below Normal	4,549	2,360	1,487	1,473	1,562	1,573	3,255	4,061	6,347	12,386	9,934	8,105
1967	Wet	2,342	2,256	1,529	1,496	1,514	11,236	2,768	11,875	11,056	4,358	3,607	11,535
1968	Below Normal	4,642	2,424	4,364	2,176	6,449	3,903	3,656	6,334	12,691	11,573	9,288	7,178
1969	Wet	3,000	1,575	1,523	9,869	12,367	6,318	9,203	15,400	6,407	4,359	4,387	9,843
1970	Wet	4,194	2,452	13,460	35,711	10,502	3,980	3,503	3,526	4,985	11,986	9,654	8,639
1971	Wet	4,238	2,729	2,142	2,122	2,104	6,424	6,305	10,580	8,197	11,804	8,330	11,577
1972	Below Normal	3,888	2,347	1,501	1,492	1,495	2,006	3,490	3,329	5,555	11,467	9,276	7,084
1973	Above Normal	1,692	1,559	1,501	1,497	9,252	5,948	2,915	5,074	6,759	11,148	7,310	7,076
1974	Wet	3,948	1,576	8,005	20,369	5,602	26,162	9,959	8,485	7,265	9,101	3,199	10,694
1975	Wet	4,072	2,400	1,577	1,626	7,312	12,729	2,610	10,960	8,991	10,776	3,013	11,269
1976	Critical	2,763	2,392	4,608	1,482	1,597	1,644	3,672	3,724	4,085	9,821	5,362	6,690
1977	Critical	3,695	1,081	1,212	1,203	1,206	1,013	2,812	2,060	4,301	1,500	1,500	1,500
1978	Above Normal	1,164	918	821	1,335	815	5,415	6,175	3,627	4,681	10,482	8,732	8,541
1979	Below Normal	4,683	2,450	6,174	1,174	1,062	885	2,487	3,656	7,041	11,247	8,570	4,160
1980	Above Normal	3,970	1,758	1,675	7,352	17,951	5,136	2,891	3,337	3,604	6,606	2,976	5,444
1981	Dry	4,665	2,589	3,265	1,587	2,444	6,762	2,605	3,472	7,210	11,310	7,151	8,174
1982	Wet	2,260	1,071	13,222	8,118	17,776	13,215	20,114	10,721	6,684	6,401	3,307	5,392
1983	Wet	4,728	8,583	10,782	12,469	21,512	31,803	9,605	14,414	14,605	5,847	3,790	6,513
1984	Wet	5,549	14,494	24,126	5,383	8,392	8,843	3,147	3,546	6,338	12,541	7,477	10,677
1985	Dry	3,963	1,538	1,485	1,644	1,535	1,508	3,047	5,457	6,426	11,393	5,579	5,775
1986	Wet	4,527	2,485	1,514	1,452	20,984	22,560	2,634	3,547	4,475	11,339	6,602	10,118
1987	Dry	4,742	2,480	5,750	1,652	1,578	1,490	2,812	4,658	6,010	6,718	2,877	2,635
1988	Critical	1,431	988	1,616	956	1,154	1,480	2,045	2,635	4,117	8,257	2,364	2,273
1989	Dry	1,188	1,477	692	657	962	574	2,622	5,041	6,757	11,172	8,160	6,249
1990	Critical	1,974	2,439	3,329	668	664	574	3,757	2,256	3,615	10,690	2,047	2,696
1991	Critical	1,488	689	1,207	1,293	883	1,255	1,689	2,055	4,767	9,377	2,218	2,408
1992	Critical	1,131	764	874	778	1,421	560	2,130	4,295	5,680	3,603	3,417	3,827
1993	Above Normal	1,030	779	637	1,304	667	8,552	4,954	9,632	6,981	11,929	9,925	10,217
1994	Critical	4,322	2,359	3,742	1,066	982	785	3,525	3,046	4,008	10,736	3,773	2,942
1995	Wet	2,129	1,101	1,643	947	7,472	33,839	14,287	20,071	13,364	5,209	4,493	5,422
1996	Wet	5,074	4,371	3,782	12,003	20,967	9,934	7,963	11,925	5,528	11,469	5,714	11,295
1997	Wet	4,180	2,525	14,840	40,731	10,066	5,233	3,529	3,385	4,677	11,521	6,301	11,056
1998	Wet	4,436	2,574	2,054	1,448	16,829	14,074	4,147	10,097	14,286	5,617	3,613	6,368
1999	Wet	5,511	8,299	5,813	13,659	16,359	11,149	2,927	3,390	4,206	11,176	4,780	7,038
2000	Above Normal	4,421	2,412	6,319	1,538	8,786	9,179	2,367	3,685	6,518	12,832	9,662	9,423
2001	Dry	3,932	2,456	6,087	1,587	1,556	1,462	2,788	4,622	6,103	7,648	2,974	2,552
2002	Dry	2,637	1,230	1,654	996	1,078	776	3,326	2,836	4,105	10,616	3,309	6,506
2003	Above Normal	2,326	1,845	2,123	1,456	1,457	1,477	2,012	6,847	4,988	12,673	9,298	10,125

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Existing Condition (taf)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	562	518	575	575	494	554	800	975	975	802	789	650
1924	Critical	576	515	448	387	393	376	371	366	347	327	308	295
1925	Dry	305	334	388	403	556	652	800	975	915	715	618	612
1926	Dry	602	567	533	489	575	634	800	779	628	475	389	387
1927	Wet	361	495	574	575	559	656	800	975	975	806	797	595
1928	Above Normal	577	492	512	518	546	644	800	953	832	563	496	426
1929	Critical	384	349	316	275	300	351	415	465	461	400	346	314
1930	Dry	300	280	415	493	557	669	770	793	701	484	443	447
1931	Critical	412	386	331	305	300	341	342	356	359	322	275	199
1932	Dry	154	161	293	405	575	671	793	975	975	906	770	650
1933	Critical	604	518	458	415	388	431	487	584	566	397	329	300
1934	Critical	263	229	317	422	519	624	596	483	295	273	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	563	527	481	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	936	789	605
1939	Dry	601	553	509	469	457	582	636	621	556	413	348	354
1940	Above Normal	344	324	316	571	555	634	800	975	975	760	720	518
1941	Wet	490	379	550	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	795	793	592
1944	Dry	505	409	357	329	393	520	583	690	656	510	434	401
1945	Below Normal	371	439	494	497	563	667	800	975	975	782	764	557
1946	Below Normal	546	571	575	571	563	659	800	975	975	764	699	564
1947	Dry	529	544	543	495	564	672	751	767	652	496	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	588	569
1950	Below Normal	533	484	426	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	653	517	553	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	539	523	552	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	510	520	581	703	708	615	529	508
1956	Wet	473	430	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	502	440	493	575	654	737	757	720	447	398	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	497	560	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	568	575	559	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	515	518	512	534	541	638	800	838	796	536	503	489
1967	Wet	448	466	575	570	555	646	800	975	975	950	800	636
1968	Below Normal	637	549	540	569	547	649	712	735	690	428	422	410
1969	Wet	378	412	479	543	522	647	800	975	975	876	766	600
1970	Wet	607	570	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	595
1974	Wet	597	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	500	483	482	575	673	800	975	975	938	800	640
1976	Critical	680	531	498	442	417	442	456	482	464	432	407	386
1977	Critical	378	356	313	281	250	245	233	236	214	177	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	536	487	559	575	668	800	975	908	712	692	611
1980	Above Normal	609	575	575	459	426	627	800	975	975	950	752	603
1981	Dry	550	467	426	425	433	576	667	693	654	497	431	424
1982	Wet	417	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	619	490
1987	Dry	489	437	380	341	375	492	552	536	469	287	243	261
1988	Critical	260	263	340	447	442	473	512	512	470	402	350	336
1989	Dry	328	402	453	481	529	631	800	833	645	480	417	399
1990	Critical	404	391	349	356	374	469	530	532	503	422	390	368
1991	Critical	317	271	218	157	116	309	451	583	612	484	290	232
1992	Critical	241	244	250	238	409	561	589	520	421	113	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	877	800	648
1994	Critical	641	511	474	410	414	428	458	483	502	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	519	575	562	478	628	800	975	975	879	800	622
1997	Wet	555	501	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	585	484	432	571	538	644	800	975	940	683	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	477	410	415
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	600
2003	Above Normal	501	488	575	563	539	621	800	975	975	754	737	600

Simulated End-of-Month Folsom Reservoir Storage (Node S8)

Alternative 5 (taf)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	503	438	491	510	575	673	800	975	975	950	800	586
1923	Below Normal	559	505	575	575	490	550	800	975	975	802	789	650
1924	Critical	548	487	419	359	365	348	343	339	326	313	301	294
1925	Dry	304	334	388	402	556	652	800	975	922	722	622	623
1926	Dry	612	575	541	497	575	634	800	778	637	486	395	393
1927	Wet	367	499	575	575	559	656	800	975	975	806	795	593
1928	Above Normal	574	492	512	517	546	644	800	953	831	562	497	427
1929	Critical	385	350	317	276	300	352	415	466	461	400	346	314
1930	Dry	300	280	414	492	557	669	770	793	701	485	444	447
1931	Critical	413	387	332	306	301	342	343	357	360	324	287	212
1932	Dry	167	173	303	417	575	671	793	975	975	906	770	650
1933	Critical	604	519	459	417	389	432	488	585	567	398	330	300
1934	Critical	263	229	317	423	520	625	596	484	295	274	143	90
1935	Below Normal	90	141	187	304	403	499	800	975	975	784	773	650
1936	Below Normal	562	526	480	575	568	661	800	975	975	804	798	597
1937	Below Normal	580	529	473	435	575	675	800	975	975	773	721	650
1938	Wet	640	575	575	575	575	673	800	975	975	950	800	607
1939	Dry	603	546	502	462	450	574	628	610	547	407	348	353
1940	Above Normal	343	324	316	571	555	634	800	975	975	760	701	499
1941	Wet	471	369	540	575	574	669	800	975	975	950	800	602
1942	Wet	580	495	575	571	560	660	800	975	975	950	800	603
1943	Wet	577	489	575	560	524	634	800	975	974	796	793	593
1944	Dry	511	402	351	322	386	513	576	683	649	506	431	399
1945	Below Normal	369	437	493	497	563	667	800	975	975	782	733	566
1946	Below Normal	557	575	575	571	563	659	800	975	975	764	698	560
1947	Dry	529	545	543	496	564	672	751	767	653	497	424	382
1948	Below Normal	388	381	351	420	418	452	789	975	975	893	800	650
1949	Dry	634	575	550	509	516	675	800	975	958	707	590	572
1950	Below Normal	535	487	428	575	571	669	800	975	975	794	784	650
1951	Above Normal	600	417	305	328	359	600	800	975	973	732	716	519
1952	Wet	509	496	575	575	574	672	800	975	975	950	800	650
1953	Wet	650	499	535	574	566	634	800	975	975	923	800	650
1954	Above Normal	600	541	525	554	575	667	800	910	872	611	601	552
1955	Dry	513	467	502	554	509	520	581	703	708	615	529	509
1956	Wet	474	431	515	431	429	622	800	975	975	950	800	620
1957	Above Normal	626	486	450	420	570	661	731	975	975	763	697	600
1958	Wet	594	556	575	575	562	667	800	975	975	950	800	650
1959	Below Normal	633	501	439	492	575	654	737	757	720	447	397	404
1960	Dry	363	316	271	270	530	662	757	803	764	683	586	554
1961	Dry	508	475	439	376	393	441	496	559	556	386	318	300
1962	Below Normal	293	293	325	342	575	674	800	951	975	746	658	600
1963	Wet	720	575	575	547	482	618	800	975	975	802	788	590
1964	Dry	569	575	560	575	574	560	620	716	721	564	478	425
1965	Wet	391	403	389	384	408	567	800	975	975	811	800	605
1966	Below Normal	516	521	515	537	544	641	800	838	796	534	502	488
1967	Wet	447	465	575	570	555	646	800	975	975	950	800	634
1968	Below Normal	636	522	517	546	547	649	712	735	690	426	419	407
1969	Wet	375	410	478	543	522	647	800	975	975	875	765	600
1970	Wet	607	571	575	422	412	615	701	834	844	623	610	401
1971	Wet	361	476	575	575	563	658	800	975	975	892	800	632
1972	Below Normal	621	526	575	575	575	656	755	877	829	595	554	555
1973	Above Normal	532	555	575	564	559	662	800	975	908	706	692	581
1974	Wet	582	575	575	492	484	629	800	975	975	950	800	650
1975	Wet	642	502	485	483	575	673	800	975	975	938	800	640
1976	Critical	680	530	497	442	417	441	456	482	463	431	407	385
1977	Critical	377	356	313	281	249	244	233	235	214	176	90	90
1978	Above Normal	90	99	246	566	551	637	800	975	975	804	783	647
1979	Below Normal	605	519	470	542	575	668	800	975	907	701	681	601
1980	Above Normal	599	575	575	459	426	627	800	975	975	873	675	557
1981	Dry	534	478	437	436	444	587	678	704	665	508	438	432
1982	Wet	425	540	397	430	354	590	800	975	975	950	800	650
1983	Wet	720	572	572	560	543	637	800	975	975	950	800	650
1984	Wet	720	448	358	387	429	621	800	975	975	780	772	574
1985	Dry	552	575	575	548	575	646	800	830	691	529	456	439
1986	Wet	406	389	459	554	404	592	800	975	915	713	624	491
1987	Dry	490	438	381	341	375	492	552	535	469	290	246	264
1988	Critical	263	266	343	450	442	473	511	511	469	401	349	336
1989	Dry	328	402	453	481	530	631	800	833	645	480	416	398
1990	Critical	404	390	349	355	374	468	529	531	503	421	389	368
1991	Critical	317	271	218	158	116	309	452	583	612	485	288	230
1992	Critical	239	242	248	236	406	558	587	519	420	112	90	90
1993	Above Normal	90	90	151	570	548	636	800	975	975	878	800	648
1994	Critical	641	511	475	410	415	428	458	483	503	441	377	321
1995	Wet	292	295	383	546	498	623	800	975	975	950	800	650
1996	Wet	600	502	575	562	478	628	800	975	975	879	800	622
1997	Wet	554	500	500	317	350	549	737	890	873	650	631	423
1998	Wet	350	343	363	572	538	634	800	975	975	950	800	650
1999	Wet	667	575	575	566	641	800	975	975	975	858	800	610
2000	Above Normal	584	483	432	571	538	644	800	975	940	684	658	601
2001	Dry	570	491	445	411	437	537	624	665	633	478	410	416
2002	Dry	399	443	575	574	563	656	800	940	940	675	612	593
2003	Above Normal	500	486	575	563	539	621	800	975	975	754	737	600

Simulated Folsom Reservoir Release to American River (Node C8)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,782	2,655	5,866	4,511	4,484	1,875	3,093	4,510	2,907	5,062	1,808	4,041
1924	Critical	2,500	1,957	2,025	1,725	1,473	832	843	847	825	831	827	782
1925	Dry	870	825	822	820	6,205	2,147	4,783	4,490	3,872	5,063	3,168	1,681
1926	Dry	1,535	1,957	2,024	1,724	2,907	1,065	3,158	1,726	3,120	3,079	2,168	1,085
1927	Wet	1,534	1,592	1,610	3,567	13,419	4,633	7,644	4,714	5,387	4,760	1,807	5,051
1928	Above Normal	1,698	4,069	2,024	1,772	1,762	12,186	4,785	1,796	2,993	5,062	2,521	2,537
1929	Critical	1,535	1,676	1,775	1,509	1,295	1,316	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,107	1,132	1,167	1,123	1,128	2,638	1,790	1,796	2,872	4,473	2,282	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,290	1,063	1,074	1,077	1,112	1,357	1,229	1,901
1932	Dry	1,600	925	773	845	2,424	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,918	2,540	2,025	1,723	1,472	1,489	1,590	1,490	3,171	3,691	2,700	1,549
1934	Critical	1,723	1,718	1,035	872	809	826	2,078	2,566	3,728	860	2,184	1,622
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,909	1,956	2,025	5,123	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,515	2,778
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,668	4,266	4,869
1939	Dry	1,534	2,299	2,025	1,724	1,466	860	1,633	1,466	1,768	2,887	1,318	921
1940	Above Normal	1,355	1,352	1,345	3,086	10,582	10,509	6,190	3,157	1,962	5,062	2,262	5,051
1941	Wet	1,719	3,324	2,016	5,318	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,785	3,118	4,287	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,020	3,277	10,807	7,305	11,938	5,195	2,549	3,074	5,062	1,808	5,052
1944	Dry	2,732	2,760	2,025	1,725	1,450	1,441	1,481	1,492	2,322	3,709	2,944	1,974
1945	Below Normal	1,535	1,645	1,688	1,691	7,817	2,034	3,461	2,758	2,211	5,063	1,891	5,052
1946	Below Normal	1,891	2,762	8,731	5,147	2,574	3,053	3,589	3,637	2,039	5,062	2,687	3,928
1947	Dry	1,897	1,957	2,024	1,725	1,468	2,240	1,452	1,461	3,024	3,229	2,407	1,771
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,399	3,115	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,514	1,889
1950	Below Normal	1,535	1,957	2,025	2,632	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,525	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,567	3,900	2,020	6,815	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,034	2,025	1,722	3,014	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,500	1,776	1,786	1,794	1,806	2,725	3,065	1,726
1956	Wet	1,535	1,924	16,422	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,749
1957	Above Normal	1,575	3,741	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,620	2,025	1,719	1,796	1,040	1,054	1,059	1,501	4,974	1,219	1,108
1960	Dry	1,536	1,605	1,677	1,429	1,240	3,364	1,949	1,778	1,807	1,866	2,844	1,847
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,164
1962	Below Normal	948	948	980	788	2,792	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,666	1,808	5,052
1964	Dry	1,913	3,674	2,280	2,356	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,978	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,887	2,204	2,017	1,762	1,762	1,176	1,362	1,194	1,220	4,658	1,611	1,216
1967	Wet	1,536	1,840	3,051	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,716
1968	Below Normal	1,536	3,583	2,090	1,717	6,808	2,047	1,505	1,513	1,544	4,711	1,545	1,540
1969	Wet	1,535	1,703	1,751	14,934	9,269	3,489	6,485	9,173	6,663	4,110	3,542	4,537
1970	Wet	1,535	2,297	5,558	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	3,472	4,017	2,479	3,594	5,040	3,842	3,221	4,382
1972	Below Normal	1,535	3,426	2,030	1,987	3,098	4,171	1,791	1,797	2,189	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	3,226	4,305	3,115	4,663	1,807	3,486
1974	Wet	1,534	7,094	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,701	2,024	1,722	2,543	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,622	2,025	1,725	1,473	881	889	895	958	1,169	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,464	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,585	2,025	1,706	3,276	3,419	1,844	4,293	2,716	4,574	1,807	2,883
1980	Above Normal	1,534	2,436	2,268	17,695	13,166	3,708	2,961	2,964	3,261	2,993	5,057	4,148
1981	Dry	2,194	2,857	2,024	1,757	1,771	960	995	1,002	1,154	3,051	1,620	1,085
1982	Wet	1,534	5,331	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,901	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,234	4,115
1987	Dry	1,536	1,931	1,998	1,699	1,443	815	843	1,229	1,555	3,236	853	848
1988	Critical	833	909	841	794	1,340	910	816	840	1,279	1,188	858	851
1989	Dry	923	917	904	909	821	9,424	4,025	3,525	4,686	3,575	2,524	2,133
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,891	1,645	1,384
1991	Critical	1,454	1,411	1,442	1,231	1,041	1,020	1,062	1,070	1,804	3,550	4,402	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,630	1,902	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,816	2,684	4,072
1994	Critical	1,536	3,679	2,020	1,719	1,452	1,404	1,411	1,414	1,551	1,888	1,469	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,671	2,427	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,558	3,788	13,200	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,068	2,643	4,937
2000	Above Normal	1,769	3,224	2,025	2,507	11,529	4,098	2,474	2,209	2,028	5,062	1,926	2,637
2001	Dry	1,616	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,123	1,309	1,065
2002	Dry	1,170	829	1,316	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,608
2003	Above Normal	2,343	1,955	2,274	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Folsom Reservoir Release to American River (Node C8)

Alternative 5 (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	1,573	2,402	2,012	1,710	4,959	3,348	4,377	9,383	9,376	2,786	3,955	5,052
1923	Below Normal	1,826	2,823	5,659	4,511	4,566	1,875	3,021	4,512	2,910	5,062	1,814	4,041
1924	Critical	2,961	1,957	2,025	1,725	1,473	832	843	847	714	720	716	671
1925	Dry	870	825	822	820	6,195	2,147	4,783	4,490	3,741	5,063	3,212	1,588
1926	Dry	1,535	1,992	2,024	1,724	3,052	1,067	3,153	1,745	2,943	3,047	2,240	1,081
1927	Wet	1,534	1,621	1,655	3,587	13,418	4,633	7,644	4,714	5,387	4,759	1,837	5,051
1928	Above Normal	1,719	4,026	2,024	1,772	1,762	12,178	4,784	1,796	2,996	5,062	2,506	2,530
1929	Critical	1,535	1,676	1,775	1,509	1,307	1,306	1,301	1,500	1,805	1,812	1,807	1,584
1930	Dry	1,118	1,130	1,172	1,128	1,132	2,628	1,790	1,796	2,870	4,456	2,287	1,584
1931	Critical	1,535	1,715	1,775	1,513	1,291	1,061	1,073	1,077	1,112	1,351	1,047	1,899
1932	Dry	1,600	921	811	807	2,639	2,217	1,790	3,466	5,007	3,453	3,845	3,545
1933	Critical	1,909	2,532	2,025	1,723	1,472	1,489	1,590	1,490	3,173	3,694	2,702	1,559
1934	Critical	1,712	1,717	1,035	872	809	826	2,078	2,568	3,729	860	2,184	1,630
1935	Below Normal	1,021	911	825	846	824	1,762	5,786	4,171	4,397	5,063	1,808	3,671
1936	Below Normal	2,912	1,956	2,025	5,120	13,329	4,234	5,374	4,010	4,841	5,062	1,808	5,051
1937	Below Normal	1,536	1,957	2,025	1,715	3,221	4,328	4,302	3,951	2,261	5,062	2,512	2,781
1938	Wet	1,536	2,819	6,694	2,807	9,597	10,970	7,888	9,584	8,905	3,437	4,318	5,018
1939	Dry	1,534	2,452	2,025	1,724	1,466	863	1,645	1,506	1,742	2,851	1,223	923
1940	Above Normal	1,351	1,349	1,342	3,087	10,582	10,509	6,190	3,157	1,962	5,062	2,577	5,051
1941	Wet	1,725	3,170	2,016	5,151	7,987	4,877	3,681	4,997	3,347	2,499	4,145	5,016
1942	Wet	1,777	3,125	4,288	9,155	9,987	2,447	5,916	6,627	7,329	3,323	4,301	5,052
1943	Wet	1,735	5,017	3,281	10,807	7,305	11,938	5,195	2,549	3,074	5,053	1,808	5,052
1944	Dry	2,644	2,976	2,025	1,725	1,450	1,441	1,481	1,492	2,324	3,672	2,914	1,966
1945	Below Normal	1,535	1,634	1,673	1,677	7,821	2,034	3,463	2,760	2,212	3,463	2,393	4,402
1946	Below Normal	1,848	2,872	8,802	5,148	2,575	3,053	3,589	3,637	2,039	5,062	2,691	3,992
1947	Dry	1,822	1,957	2,024	1,725	1,468	2,250	1,452	1,461	3,011	3,232	2,409	1,779
1948	Below Normal	1,534	1,566	1,572	1,340	1,143	1,765	3,453	5,225	3,402	3,113	4,109	4,109
1949	Dry	1,536	2,430	2,025	1,722	1,464	2,678	3,328	2,544	1,847	5,062	3,478	1,889
1950	Below Normal	1,535	1,957	2,025	2,668	5,537	3,152	4,653	4,024	4,073	5,063	1,808	3,914
1951	Above Normal	2,701	16,053	16,674	10,084	8,097	3,788	3,315	3,683	1,806	5,062	1,965	4,533
1952	Wet	1,535	2,683	4,526	8,878	9,517	6,115	8,677	11,385	10,522	4,409	4,758	4,518
1953	Wet	1,624	4,146	2,020	6,521	2,344	1,774	2,581	2,873	6,326	4,019	3,939	4,233
1954	Above Normal	2,143	3,005	2,025	1,722	3,045	4,468	4,330	1,797	1,806	5,063	1,807	2,306
1955	Dry	1,536	1,957	2,015	1,685	2,501	1,776	1,786	1,794	1,806	2,725	3,063	1,710
1956	Wet	1,535	1,929	16,433	15,534	6,288	2,002	2,962	6,860	5,916	3,121	4,317	4,748
1957	Above Normal	1,574	3,742	2,025	1,725	1,753	4,526	1,787	2,891	2,920	5,063	2,696	3,208
1958	Wet	1,534	1,957	2,051	2,870	10,042	6,633	10,117	10,002	7,774	3,072	4,395	4,289
1959	Below Normal	1,536	3,639	2,025	1,719	1,775	1,040	1,054	1,059	1,502	4,986	1,213	1,108
1960	Dry	1,536	1,603	1,674	1,427	1,238	3,365	1,950	1,778	1,807	1,867	2,844	1,848
1961	Dry	1,535	1,957	2,025	1,725	1,474	1,166	1,178	1,183	1,205	3,157	1,206	1,163
1962	Below Normal	949	948	980	788	2,791	2,026	3,896	1,815	2,042	5,062	2,866	2,458
1963	Wet	4,254	4,339	3,399	4,048	11,582	1,755	6,694	7,080	3,235	4,566	1,808	5,052
1964	Dry	1,908	3,678	2,277	2,359	1,722	1,779	1,790	1,796	1,805	3,555	3,047	2,229
1965	Wet	1,535	1,715	19,979	13,011	5,378	1,774	5,672	3,649	3,639	5,062	2,159	5,051
1966	Below Normal	2,871	2,171	2,017	1,762	1,762	1,175	1,412	1,193	1,220	4,684	1,601	1,216
1967	Wet	1,536	1,836	3,040	6,803	4,487	5,939	3,955	8,379	10,531	4,042	4,341	4,747
1968	Below Normal	1,536	4,011	2,024	1,717	6,407	2,047	1,505	1,513	1,544	1,544	1,545	1,540
1969	Wet	1,535	1,691	1,734	14,921	9,269	3,489	6,485	9,173	6,663	4,116	3,559	4,513
1970	Wet	1,535	2,285	5,570	20,407	6,293	2,524	1,786	1,796	1,805	5,062	1,865	5,051
1971	Wet	1,535	1,702	4,505	4,761	4,017	2,479	3,594	5,040	3,842	3,221	4,381	4,381
1972	Below Normal	1,535	3,426	2,031	1,987	3,098	4,171	1,791	1,797	2,190	4,811	2,176	1,584
1973	Above Normal	1,534	1,955	3,499	9,279	7,091	3,483	2,326	4,305	3,115	4,663	1,807	3,734
1974	Wet	1,534	6,847	7,275	11,681	4,397	9,001	6,537	4,786	4,233	3,332	4,361	4,370
1975	Wet	1,536	3,674	2,024	1,722	2,572	4,583	2,115	5,203	6,340	3,025	4,067	4,334
1976	Critical	1,534	4,628	2,025	1,725	1,473	881	890	895	956	1,172	950	945
1977	Critical	836	832	825	788	828	385	400	350	413	422	1,457	422
1978	Above Normal	533	611	543	2,464	4,877	5,693	4,193	4,246	4,517	4,986	1,808	4,021
1979	Below Normal	1,711	2,869	2,025	1,706	2,972	3,419	1,847	4,296	2,728	4,749	1,807	2,882
1980	Above Normal	1,534	2,263	2,270	17,696	13,168	3,708	2,961	2,964	3,261	4,255	5,057	3,634
1981	Dry	1,716	2,394	2,024	1,757	1,771	956	991	998	1,156	3,055	1,692	1,057
1982	Wet	1,534	5,463	13,767	7,949	15,766	7,674	14,424	9,351	6,152	3,183	4,305	4,689
1983	Wet	2,103	8,027	9,151	7,584	12,385	15,894	6,734	10,464	14,474	6,001	5,003	5,161
1984	Wet	1,695	15,122	15,847	6,348	5,412	3,044	2,083	2,683	2,401	5,062	1,807	5,052
1985	Dry	1,900	3,301	2,546	1,767	1,789	1,539	1,876	1,585	3,127	3,234	2,595	1,555
1986	Wet	1,535	2,222	1,761	3,115	32,139	11,922	2,844	2,736	3,752	5,062	3,150	4,183
1987	Dry	1,536	1,936	2,003	1,703	1,447	815	843	1,237	1,550	3,185	853	848
1988	Critical	833	909	841	794	1,399	912	816	840	1,279	1,184	858	851
1989	Dry	921	915	902	907	821	9,428	4,025	3,529	4,686	3,578	2,523	2,135
1990	Critical	1,534	1,713	1,775	1,498	1,266	1,288	1,302	1,293	1,736	1,890	1,644	1,384
1991	Critical	1,452	1,410	1,440	1,229	1,043	1,019	1,060	1,068	1,804	3,551	4,443	1,584
1992	Critical	835	832	820	819	803	296	1,432	1,620	1,892	5,024	398	423
1993	Above Normal	667	558	883	1,169	6,120	7,322	4,205	5,328	5,350	3,815	2,685	4,072
1994	Critical	1,536	3,676	2,020	1,719	1,452	1,403	1,411	1,414	1,551	1,890	1,180	1,469
1995	Wet	1,171	1,201	1,223	10,582	5,323	16,100	7,079	11,440	10,420	4,943	4,567	4,533
1996	Wet	2,786	2,960	2,148	5,550	13,751	6,458	4,784	8,163	3,337	3,696	2,920	4,758
1997	Wet	2,561	3,800	13,186	31,281	6,579	1,777	1,787	1,796	1,804	5,062	1,807	5,052
1998	Wet	2,291	1,638	1,758	4,474	12,651	6,221	5,339	6,227	11,222	4,237	4,462	4,635
1999	Wet	1,535	4,082	2,984	5,771	11,656	4,135	2,498	4,960	4,913	4,960	2,643	4,937
2000	Above Normal	1,788	3,213	2,025	2,500	11,529	4,098	2,474	2,209	2,027	5,062	1,927	2,637
2001	Dry	1,615	2,420	2,024	1,717	1,437	1,011	1,024	1,045	1,070	3,104	1,316	1,065
2002	Dry	1,182	829	1,318	3,506	3,527	3,262	2,114	1,790	1,806	5,062	2,555	1,720
2003	Above Normal	2,260	1,955	2,250	3,638	2,684	1,754	2,177	5,110	2,863	5,063	1,875	3,877

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)

Existing Condition (cfs)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,119	16,634	25,948	25,447	17,370	11,333	20,994	15,796	12,691	20,085	15,348	14,149
1924	Critical	10,952	10,445	9,869	12,157	14,852	9,160	7,903	7,225	7,974	14,693	7,547	6,636
1925	Dry	7,262	7,575	12,380	12,052	49,385	16,631	23,176	13,706	12,502	19,398	13,269	13,395
1926	Dry	9,291	9,250	9,365	17,347	37,280	11,826	20,238	10,870	13,524	19,312	12,625	10,441
1927	Wet	7,945	21,302	18,523	31,633	73,779	41,778	42,649	24,401	18,451	22,024	16,348	29,746
1928	Above Normal	11,668	20,228	14,734	23,952	21,105	66,337	24,141	10,419	15,598	24,460	16,985	22,470
1929	Critical	11,331	13,477	11,628	12,618	16,071	12,112	8,435	8,917	10,286	9,514	9,665	6,784
1930	Dry	6,494	6,673	17,552	20,056	17,766	30,550	13,070	11,073	13,149	18,579	11,456	12,938
1931	Critical	8,190	8,313	8,222	13,389	11,476	8,436	9,593	7,514	7,701	12,698	7,564	6,650
1932	Dry	6,479	6,557	18,894	20,305	15,040	12,297	9,347	12,500	13,433	15,602	13,649	9,910
1933	Critical	8,057	7,924	9,490	14,084	12,304	13,985	9,501	8,540	10,550	10,400	9,785	8,180
1934	Critical	6,611	6,701	14,088	17,851	14,771	11,624	10,933	9,560	10,749	9,098	7,163	6,699
1935	Below Normal	6,484	11,077	9,903	26,605	13,222	25,791	40,882	18,841	15,094	19,834	14,841	14,987
1936	Below Normal	10,484	9,228	10,423	37,142	60,249	33,017	20,989	13,714	14,809	20,328	14,895	13,933
1937	Below Normal	10,819	9,673	13,893	13,300	33,771	35,918	20,818	13,896	16,271	19,039	13,117	9,775
1938	Wet	10,703	24,446	57,343	28,406	70,448	72,225	54,553	53,026	34,605	15,079	15,226	27,334
1939	Dry	12,536	13,232	13,791	10,713	12,179	9,609	9,064	9,998	9,651	19,787	14,697	15,105
1940	Above Normal	8,044	7,984	9,262	26,617	52,897	67,423	54,259	14,997	12,562	23,629	16,200	21,042
1941	Wet	10,989	13,586	34,251	62,267	65,241	60,969	49,696	38,615	16,023	17,457	15,190	30,471
1942	Wet	12,429	17,544	41,308	56,837	68,591	22,062	41,490	31,932	24,830	16,728	15,420	29,847
1943	Wet	12,742	19,386	18,276	59,674	47,791	57,277	25,373	15,479	12,439	23,112	15,782	29,616
1944	Dry	12,938	16,035	14,751	15,107	24,178	19,155	9,789	9,442	11,944	19,277	13,810	8,953
1945	Below Normal	7,959	14,527	15,976	13,141	43,597	20,961	12,312	12,687	11,925	19,744	15,819	14,210
1946	Below Normal	11,802	13,578	49,368	45,003	16,432	18,292	14,128	13,666	11,349	20,688	16,709	14,865
1947	Dry	11,855	11,379	15,154	11,571	17,513	19,660	12,724	9,628	13,147	20,150	15,133	14,731
1948	Below Normal	10,200	11,102	9,444	14,898	10,352	15,869	23,266	28,614	21,153	20,425	17,692	15,420
1949	Dry	10,948	10,274	13,339	11,364	11,828	40,246	12,881	12,539	12,515	19,984	15,600	15,474
1950	Below Normal	8,892	9,509	10,015	20,039	34,080	19,962	19,483	14,593	13,889	21,057	16,339	14,887
1951	Above Normal	13,266	45,429	74,758	55,406	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,335
1952	Wet	12,005	17,509	36,467	58,575	59,093	52,707	53,626	58,987	36,121	18,325	16,353	26,355
1953	Wet	14,459	17,341	32,470	63,573	23,060	19,541	16,406	24,431	24,944	20,940	16,820	19,949
1954	Above Normal	11,992	19,182	14,845	24,346	45,036	43,628	38,790	12,296	14,223	24,719	17,093	22,851
1955	Dry	12,000	17,134	21,729	18,862	12,758	10,748	11,502	11,925	9,872	19,833	13,278	13,362
1956	Wet	8,304	11,036	49,606	75,069	59,456	34,215	18,077	39,217	20,637	17,385	15,396	29,692
1957	Above Normal	13,292	18,893	15,019	13,341	15,242	42,370	11,687	18,507	11,701	24,534	17,172	22,453
1958	Wet	15,701	16,669	22,783	36,742	69,347	68,124	67,387	42,062	30,065	17,823	17,194	26,983
1959	Below Normal	14,999	18,084	15,271	21,633	41,662	15,896	10,338	10,616	13,509	23,554	17,298	14,083
1960	Dry	10,486	9,604	9,530	12,886	27,062	19,473	11,495	11,370	13,067	19,912	15,035	15,788
1961	Dry	8,602	12,706	19,169	12,644	33,442	18,048	10,191	10,464	11,180	20,708	12,888	10,975
1962	Below Normal	8,068	10,035	16,536	10,764	44,338	22,969	13,280	13,310	11,965	22,565	17,342	14,801
1963	Wet	34,384	16,242	27,945	16,909	61,938	25,006	64,449	26,359	14,140	24,311	16,509	28,674
1964	Dry	13,428	23,093	13,907	22,212	13,084	10,888	10,342	11,432	10,903	19,846	14,302	15,468
1965	Wet	8,927	15,562	44,229	70,874	32,673	19,743	40,271	17,537	15,172	22,261	15,881	29,819
1966	Below Normal	12,859	20,988	13,188	24,741	22,377	20,824	13,029	11,569	12,551	22,908	17,025	15,542
1967	Wet	10,350	15,097	36,472	36,587	46,618	45,914	34,380	43,172	38,246	14,633	15,713	28,484
1968	Below Normal	14,165	15,634	15,482	23,563	50,215	31,980	10,787	11,587	12,535	23,630	16,348	14,133
1969	Wet	11,556	12,017	22,849	64,355	69,086	42,925	39,682	45,518	22,432	13,631	13,745	27,734
1970	Wet	12,054	12,989	44,286	76,866	62,399	33,434	10,847	12,694	12,735	24,896	16,547	26,485
1971	Wet	13,805	19,596	47,245	46,379	22,418	39,151	22,663	27,623	21,215	22,316	17,085	29,791
1972	Below Normal	13,860	16,107	15,292	15,877	17,107	28,190	11,446	10,963	12,645	23,381	17,049	15,296
1973	Above Normal	11,047	19,897	25,896	57,646	64,317	46,818	15,320	16,757	15,618	22,278	15,375	18,445
1974	Wet	13,611	48,137	59,345	72,443	39,328	67,942	56,272	20,677	19,499	19,851	17,257	27,985
1975	Wet	14,685	19,011	15,116	14,187	49,321	58,498	20,190	28,779	24,124	19,537	15,314	29,391
1976	Critical	15,878	19,004	15,548	11,041	12,650	13,513	10,160	6,663	8,255	16,967	9,516	11,534
1977	Critical	10,906	8,010	8,201	9,722	10,768	8,117	8,658	5,448	8,239	8,882	9,904	6,430
1978	Above Normal	6,340	6,528	15,050	48,784	43,877	54,972	33,814	18,604	15,959	20,042	16,287	21,504
1979	Below Normal	12,554	14,450	15,005	21,149	28,771	24,730	13,656	14,460	12,784	20,592	16,040	12,234
1980	Above Normal	10,682	15,797	19,733	68,349	67,316	43,189	16,867	14,116	12,751	16,017	15,070	13,166
1981	Dry	12,223	14,441	15,564	20,831	26,450	25,299	13,219	9,758	13,567	19,893	15,326	15,880
1982	Wet	9,923	33,633	67,946	59,224	66,794	61,174	71,966	31,621	20,887	14,816	13,793	22,918
1983	Wet	19,869	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,599	20,631	25,952
1984	Wet	18,649	54,286	76,341	47,363	33,779	34,019	13,369	12,142	12,200	23,632	15,875	28,006
1985	Dry	11,243	24,682	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,508	76,675	70,753	18,197	12,973	13,207	20,919	14,103	23,663
1987	Dry	12,002	11,989	15,111	13,732	19,283	22,742	9,359	10,802	13,471	17,792	9,350	8,689
1988	Critical	7,833	7,735	17,578	25,017	13,273	7,427	11,357	9,096	10,763	16,159	9,705	6,702
1989	Dry	6,623	9,572	9,952	12,282	8,837	45,550	21,142	13,700	13,635	20,815	15,033	15,879
1990	Critical	9,876	9,184	11,125	18,387	13,395	12,270	11,389	7,988	8,003	17,815	10,502	6,894
1991	Critical	6,595	6,686	7,181	9,618	8,977	28,664	11,738	7,176	9,636	17,363	9,725	6,843
1992	Critical	6,547	6,571	6,598	10,394	27,982	18,328	11,166	9,475	13,709	14,480	10,418	7,621
1993	Above Normal	7,688	6,672	12,616	46,928	48,092	38,920	37,440	26,003	26,194	19,731	16,502	22,740
1994	Critical	13,143	14,088	15,776	12,795	21,603	11,824	12,878	10,289	8,280	19,268	13,712	10,782
1995	Wet	7,610	8,336	15,277	63,130	49,951	77,297	50,308	58,378	38,017	17,119	18,024	23,059
1996	Wet	15,724	14,072	22,238	42,595	72,189	57,284	32,959	40,904	15,310	21,547	15,584	31,355
1997	Wet	11,692	17,501	50,733	77,914	51,973	22,127	16,219	12,074	12,716	24,528	16,386	28,994
1998	Wet	12,399	17,728	20,020	26,829	68,230	60,524	45,021	42,782	61,518	23,530	20,460	26,639
1999	Wet	16,285	26,797	34,936	38,330	61,292	54,457	22,714	18,635	16,896	21,508	15,902	26,763
2000	Above Normal	11,052	18,111	14,507	21,734	62,490	48,327	17,808	16,081	12,262	22,767	16,790	22,183
2001	Dry	9,224	14,023	14,419	16,674	23,517	22,304	11,493	9,348	13,401	19,3		

Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
 Alternative 5 (cfs)
 SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	12,136	13,088	16,768	14,553	30,028	27,518	22,714	49,271	35,414	18,451	15,434	23,841
1923	Below Normal	12,321	17,489	25,701	25,469	17,391	11,350	20,924	15,299	12,194	20,085	14,957	14,149
1924	Critical	10,872	9,926	9,353	12,161	14,780	9,160	7,908	7,229	7,972	14,228	8,111	6,636
1925	Dry	7,264	7,589	12,387	12,055	49,377	16,633	23,174	13,705	12,502	19,152	13,215	13,280
1926	Dry	9,304	9,296	9,364	17,347	37,424	11,826	20,227	10,870	13,523	19,685	12,723	10,648
1927	Wet	7,945	21,335	18,553	31,663	73,823	41,780	42,656	24,406	18,454	22,025	16,439	29,728
1928	Above Normal	11,689	20,192	14,734	23,954	21,106	66,321	24,137	10,419	15,597	24,443	16,985	22,482
1929	Critical	11,331	13,489	11,627	12,619	16,071	12,110	8,435	8,917	10,286	9,512	9,665	6,784
1930	Dry	6,494	6,673	17,556	20,059	17,770	30,539	13,070	11,073	13,149	18,622	11,463	12,887
1931	Critical	8,189	8,313	8,222	13,389	11,476	8,435	9,593	7,514	7,701	12,744	7,567	6,650
1932	Dry	6,479	6,557	18,898	20,314	15,257	12,299	9,347	12,500	13,433	15,601	13,597	9,911
1933	Critical	8,058	7,925	9,492	14,085	12,305	13,985	9,501	8,540	10,550	10,443	9,789	8,180
1934	Critical	6,610	6,700	14,090	17,852	14,773	11,622	10,933	9,560	10,749	9,102	7,162	6,699
1935	Below Normal	6,484	11,072	9,909	26,609	13,226	25,793	40,883	18,840	15,093	19,834	14,841	14,986
1936	Below Normal	10,478	9,221	10,425	37,141	60,394	33,018	20,989	13,715	14,809	20,375	14,895	13,905
1937	Below Normal	10,819	9,673	13,895	13,302	33,773	35,920	20,820	13,896	16,912	19,021	12,887	9,780
1938	Wet	10,704	24,448	57,351	28,407	70,399	72,225	54,554	53,027	34,605	15,079	15,226	28,563
1939	Dry	12,486	14,048	13,317	10,742	12,179	9,626	9,076	9,997	9,652	19,788	14,263	14,950
1940	Above Normal	8,043	7,984	9,223	26,627	52,655	67,414	54,258	14,996	12,561	23,624	16,515	21,486
1941	Wet	11,000	13,470	33,811	62,114	65,241	60,969	49,696	38,616	16,023	17,458	15,190	30,471
1942	Wet	12,395	17,577	41,309	56,837	68,591	22,063	41,493	31,936	24,833	16,728	15,419	30,324
1943	Wet	12,739	19,369	18,281	59,438	47,796	57,279	25,375	15,485	12,442	23,060	15,781	29,731
1944	Dry	12,848	16,658	14,738	15,121	24,186	19,162	9,790	9,443	11,945	19,186	13,821	8,944
1945	Below Normal	7,958	14,516	15,961	13,128	43,599	10,961	11,814	12,189	11,430	19,745	15,820	14,210
1946	Below Normal	11,333	13,994	49,992	44,991	16,597	17,612	14,131	13,666	11,527	20,689	16,710	14,865
1947	Dry	11,780	11,380	15,155	11,571	17,514	19,670	12,723	9,629	13,148	20,150	15,109	14,699
1948	Below Normal	10,210	11,103	9,444	14,898	10,350	15,869	23,266	28,610	21,153	20,433	17,692	15,416
1949	Dry	10,947	10,278	13,339	11,364	11,828	40,252	12,881	12,539	12,515	19,984	15,601	15,474
1950	Below Normal	8,847	9,509	10,015	20,075	34,080	19,962	19,484	14,593	13,890	21,052	16,339	14,887
1951	Above Normal	13,264	45,429	74,765	55,405	58,948	28,172	14,458	16,649	12,241	24,085	16,694	21,334
1952	Wet	12,005	17,511	36,470	58,575	59,093	52,708	53,627	58,992	36,130	18,337	16,353	26,737
1953	Wet	14,524	18,773	31,171	63,289	23,067	19,544	16,407	24,432	24,943	22,448	16,818	29,946
1954	Above Normal	11,994	19,038	14,847	24,456	45,066	43,631	38,790	12,297	14,224	24,719	17,093	22,852
1955	Dry	12,018	17,162	21,728	18,862	12,759	10,748	11,502	11,925	9,872	19,832	13,265	13,102
1956	Wet	8,305	11,041	49,621	75,088	59,456	34,216	18,078	39,218	20,637	17,385	15,396	29,721
1957	Above Normal	13,292	18,894	15,019	13,341	15,242	42,346	11,687	18,508	11,701	24,534	17,172	22,453
1958	Wet	15,702	16,669	22,782	36,742	69,347	68,124	67,388	42,063	30,066	17,284	17,194	26,985
1959	Below Normal	14,999	18,178	15,269	21,560	41,641	15,895	10,338	10,615	13,509	23,566	17,296	14,054
1960	Dry	10,461	9,545	9,505	12,884	27,060	19,474	11,495	11,370	13,066	19,912	15,079	15,791
1961	Dry	8,684	12,706	19,165	12,644	33,442	18,048	10,191	10,464	11,180	20,709	12,887	10,974
1962	Below Normal	8,068	10,038	16,538	10,764	44,338	22,970	13,280	13,310	11,964	22,566	17,342	14,802
1963	Wet	34,385	16,242	27,946	16,909	61,935	25,006	64,450	26,359	14,140	24,312	16,509	28,641
1964	Dry	13,442	23,093	13,889	22,216	13,084	10,888	10,342	11,432	10,904	19,846	14,311	15,469
1965	Wet	8,939	15,563	44,230	70,874	32,673	19,744	40,277	17,537	15,172	22,265	15,883	29,822
1966	Below Normal	12,861	20,810	13,193	24,740	22,376	21,015	13,064	11,569	12,551	22,927	17,026	15,453
1967	Wet	10,354	15,094	36,500	36,587	46,619	45,914	34,381	43,172	38,247	14,634	15,714	28,674
1968	Below Normal	14,044	17,902	15,482	23,398	48,796	32,018	10,787	11,587	12,500	23,674	16,353	14,134
1969	Wet	11,236	12,005	22,831	64,428	69,086	42,925	39,682	45,518	22,432	13,645	13,745	27,596
1970	Wet	12,191	12,989	44,293	76,866	62,399	33,434	10,847	12,694	12,744	24,894	16,547	26,246
1971	Wet	13,829	19,556	47,257	46,379	22,418	39,190	22,663	27,624	21,215	17,284	17,085	29,790
1972	Below Normal	13,861	16,101	15,292	15,876	17,106	28,196	11,446	10,963	12,644	23,381	17,049	15,297
1973	Above Normal	11,046	19,896	25,896	57,646	64,317	46,818	15,319	16,757	15,618	22,277	15,375	19,561
1974	Wet	12,918	47,863	59,347	72,442	39,326	67,942	56,272	20,678	19,501	19,850	17,256	28,528
1975	Wet	14,678	18,873	15,118	14,185	48,982	58,526	20,188	28,779	24,123	19,537	15,312	29,392
1976	Critical	15,916	19,036	15,548	11,040	12,650	13,514	10,160	6,663	8,255	17,021	9,459	11,537
1977	Critical	10,843	8,005	8,190	9,729	10,760	8,117	8,658	5,450	8,239	8,882	9,916	6,430
1978	Above Normal	6,340	6,528	15,052	48,784	43,879	54,982	33,815	18,604	15,964	20,052	16,296	21,514
1979	Below Normal	12,551	15,869	15,034	21,175	28,485	24,741	13,682	14,463	12,783	20,591	16,039	13,549
1980	Above Normal	11,691	15,256	19,756	67,671	67,318	43,186	16,863	14,113	12,749	16,010	14,525	16,872
1981	Dry	11,725	12,543	15,564	20,526	25,368	25,293	13,214	9,754	13,569	19,897	15,274	15,735
1982	Wet	10,079	34,032	67,910	59,200	66,795	61,174	71,966	31,621	20,887	14,816	13,794	22,918
1983	Wet	19,870	35,659	57,754	57,396	74,128	81,283	56,763	54,462	51,682	23,600	20,632	25,953
1984	Wet	18,650	54,286	76,341	47,363	33,778	34,019	13,368	12,142	12,200	23,632	15,875	28,008
1985	Dry	11,243	24,683	21,186	13,836	14,966	13,105	12,462	11,197	12,816	19,546	14,090	15,213
1986	Wet	11,438	13,087	17,153	22,509	76,675	70,754	18,197	12,973	13,207	20,919	15,261	22,550
1987	Dry	12,008	12,392	15,103	13,746	19,291	22,744	9,361	10,801	13,469	17,577	9,306	8,684
1988	Critical	7,832	7,734	17,577	25,017	13,272	7,429	11,357	9,096	10,763	16,123	9,700	6,702
1989	Dry	6,623	9,569	9,950	12,280	8,836	45,554	21,142	13,700	13,635	20,815	14,931	15,875
1990	Critical	9,897	9,181	11,160	18,386	13,394	12,269	11,389	7,988	8,003	17,815	10,503	6,894
1991	Critical	6,595	6,686	7,179	9,622	8,975	28,662	11,736	7,175	9,636	17,321	9,744	6,838
1992	Critical	6,547	6,571	6,594	10,392	27,980	18,326	11,166	9,475	13,709	14,472	10,417	7,616
1993	Above Normal	7,687	6,672	12,614	46,927	48,090	38,960	37,440	26,004	26,197	19,732	16,502	22,741
1994	Critical	13,143	14,066	15,776	12,792	21,601	11,823	12,878	10,289	8,280	19,268	13,715	10,782
1995	Wet	7,610	8,337	15,276	63,127	49,950	77,297	50,307	58,377	38,016	17,072	18,026	23,217
1996	Wet	15,568	15,446	21,605	42,682	72,079	57,291	32,957	40,904	15,311	21,545	15,582	31,354
1997	Wet	11,702	17,552	50,708	77,914	51,973	22,127	16,219	12,074	12,559	24,528	16,387	29,110
1998	Wet	12,564	16,998	20,047	27,055	68,214	60,524	45,022	42,786	61,521	23,535	20,465	26,644
1999	Wet	16,292	26,805	34,938	38,329	61,291	54,456	22,713	18,634	16,895	21,508	15,902	26,619
2000	Above Normal	11,141	18,056	14,517	21,682	62,511	48,327	17,807	16,081	12,262	22,766	16,792	22,184
2001	Dry	9,217	14,020	14,261	16,672	23,517	22,303	11,493	9,348	13,401	19,512	9,638	9,603
2002	Dry	7,360	9,844	28,625	43,288	18,221	19						

Change in Simulated Sacramento River Inflow to the Sacramento-San Joaquin Delta (Node C169)
 Alternative 5 - Existing Condition (cfs)

SVI		October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0	0	0	0	0	0	0	0	0	0	0	0
1923	Below Normal	202	855	-247	22	21	17	-70	-497	-497	1	-391	0
1924	Critical	-80	-519	-516	4	-72	0	5	4	-2	-465	564	-1
1925	Dry	2	14	7	4	-8	1	-1	-1	-1	-246	-54	-115
1926	Dry	13	46	-1	0	144	0	-11	0	-1	372	98	207
1927	Wet	0	33	30	30	44	1	7	4	2	1	91	-18
1928	Above Normal	21	-35	0	2	1	-16	-5	1	-1	-17	0	12
1929	Critical	0	12	-1	0	0	-2	0	0	0	-2	0	0
1930	Dry	0	0	3	4	4	-10	0	0	0	43	6	-51
1931	Critical	-1	-1	0	0	0	-1	0	0	0	46	3	0
1932	Dry	0	0	4	9	217	1	0	0	0	0	-52	0
1933	Critical	1	0	2	1	1	0	0	0	0	43	3	0
1934	Critical	-2	-1	2	1	2	-2	0	0	0	4	0	0
1935	Below Normal	0	-5	6	4	4	3	1	0	0	0	0	-1
1936	Below Normal	-5	-7	2	-1	146	1	0	0	0	47	0	-28
1937	Below Normal	0	0	2	2	2	2	2	0	646	-18	-229	5
1938	Wet	2	2	8	1	-48	0	1	1	0	0	0	1,229
1939	Dry	-50	816	-473	29	0	17	12	-1	1	2	-434	-155
1940	Above Normal	-1	0	-39	10	-242	-9	0	0	-1	-6	315	443
1941	Wet	11	-116	-440	-152	0	0	0	1	0	1	1	0
1942	Wet	-34	33	2	0	0	1	3	4	3	-1	-1	477
1943	Wet	-3	-16	5	-236	5	1	2	6	3	-52	-1	115
1944	Dry	-90	623	-13	13	8	7	1	1	1	-91	10	-8
1945	Below Normal	-1	-11	-15	-13	3	0	-498	-498	-495	1	1	0
1946	Below Normal	-468	416	624	-12	165	-680	3	-1	177	1	1	0
1947	Dry	-75	1	0	0	0	10	0	1	0	1	-23	-32
1948	Below Normal	10	1	0	0	-3	0	0	-4	0	8	0	-4
1949	Dry	0	3	0	0	0	6	0	0	0	0	0	0
1950	Below Normal	-45	0	0	36	0	0	0	0	0	-5	1	0
1951	Above Normal	-2	0	6	0	0	0	0	0	1	0	0	0
1952	Wet	0	1	3	0	0	0	1	5	9	13	0	382
1953	Wet	65	1,432	-1,299	-284	7	4	1	1	0	-1	-2	-3
1954	Above Normal	1	-144	2	110	30	3	1	1	0	0	1	1
1955	Dry	18	27	-1	0	1	0	0	0	-1	-1	-14	-260
1956	Wet	1	6	15	19	0	1	1	0	0	0	0	29
1957	Above Normal	0	1	0	0	0	-24	0	0	0	0	0	0
1958	Wet	0	-1	0	0	0	0	1	1	1	1	0	2
1959	Below Normal	0	94	-2	-73	-21	-1	0	0	0	12	-2	-29
1960	Dry	-26	-60	-24	-2	-2	1	0	0	0	-1	44	4
1961	Dry	83	0	-4	0	0	0	0	0	0	0	-1	-1
1962	Below Normal	0	3	1	0	1	0	0	0	0	0	0	1
1963	Wet	2	0	0	0	-2	0	0	0	0	1	0	-34
1964	Dry	14	0	-18	4	0	0	0	0	0	0	9	1
1965	Wet	12	0	1	0	0	1	5	0	0	4	2	3
1966	Below Normal	2	-177	5	-2	-1	191	35	0	0	14	0	-88
1967	Wet	3	-3	28	0	0	0	0	0	1	0	0	190
1968	Below Normal	-121	2,268	0	-165	-1,419	38	0	0	-36	44	5	1
1969	Wet	-320	-12	-18	73	0	0	0	0	0	14	0	-137
1970	Wet	137	0	7	0	0	0	0	0	9	-2	0	-59
1971	Wet	24	-41	12	0	0	39	0	1	0	0	0	0
1972	Below Normal	1	-6	0	-1	0	6	0	0	0	0	0	1
1973	Above Normal	-1	0	-1	0	0	0	0	0	0	-1	0	1,116
1974	Wet	-693	-273	1	0	-2	0	0	1	2	-1	0	543
1975	Wet	-7	-138	3	-2	-338	28	-2	-1	-1	0	-1	0
1976	Critical	38	31	0	0	0	0	0	0	0	54	-57	3
1977	Critical	-63	-5	-11	7	-8	0	0	2	0	0	11	0
1978	Above Normal	0	0	1	0	2	10	1	0	4	10	9	11
1979	Below Normal	-3	1,419	29	26	-286	11	26	3	-1	-1	-1	1,315
1980	Above Normal	1,009	-541	23	-679	2	-3	-3	-2	-7	-545	3,706	0
1981	Dry	-498	-1,898	0	-305	-1,082	-6	-4	-4	2	4	-51	-145
1982	Wet	156	399	-36	-24	1	0	0	0	0	0	1	0
1983	Wet	0	0	0	0	0	0	0	-1	0	0	0	0
1984	Wet	0	0	0	0	0	0	0	0	0	0	0	1
1985	Dry	0	1	0	0	0	0	0	0	0	0	0	0
1986	Wet	0	0	1	0	0	0	0	0	0	0	1,158	-1,113
1987	Dry	6	403	-8	14	8	3	1	-1	-3	-215	-44	-5
1988	Critical	-1	0	-2	-1	0	2	0	0	0	-36	-5	0
1989	Dry	0	-4	-3	-3	0	3	0	0	0	0	-102	-4
1990	Critical	21	-3	35	-1	-1	-1	0	0	0	0	2	0
1991	Critical	0	0	-2	4	-2	-2	-1	-1	0	-42	18	-5
1992	Critical	0	0	-4	-2	-2	-2	0	0	0	-8	-1	-5
1993	Above Normal	-1	0	-2	-1	-1	40	0	1	2	0	0	0
1994	Critical	-1	-22	0	-2	-2	-1	0	0	0	0	3	0
1995	Wet	0	1	-1	-3	0	0	-1	0	-1	-47	2	157
1996	Wet	-156	1,375	-634	87	-110	7	-2	0	1	-2	-2	-2
1997	Wet	9	51	-26	0	0	0	0	0	-157	0	1	116
1998	Wet	165	-730	26	226	-16	0	1	4	3	5	5	5
1999	Wet	7	8	2	0	-1	-1	-1	-1	-1	0	0	-144
2000	Above Normal	89	-55	10	-53	21	0	-1	0	0	-1	1	2
2001	Dry	-7	-2	-158	-2	0	0	0	0	1	175	-42	3
2002	Dry	0	-2	-1	5	-2	-1	0	0	0	0	-104	197
2003	Above Normal	0	-7	-72	1	-1	-1	-1	-1	0	0	0	5

X2 Position (Node X2_PRV)

Existing Condition (km)

SAC		October	November	December	January	February	March	April	May	June	July	August	September
Year	Year Type												
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	90	92
1925	Dry	94	93	89	85	54	64	60	65	76	84	87	89
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	58	53	60	63	73	81	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	84	82	79	78	79	83	86	88	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	65	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	65	68	76	82	86	89
1946	Below Normal	90	90	56	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	49	57	70	83	74
1953	Wet	74	76	63	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	91	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	70	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	52	56	68	83	74
1968	Below Normal	74	76	81	71	52	58	67	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	51	58	73	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	68	77	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	91	83	78	50	47	49	61	65	70	78	84	81
1981	Dry	81	81	83	74	64	62	68	74	81	85	88	89
1982	Wet	90	71	49	48	48	48	47	52	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	64	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	54	62	73	74
1996	Wet	74	75	70	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	61	65	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	60	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

X2 Position (Node X2_PRV)

Alternative 5 (km)

SVI

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	67	73	76	73	58	60	60	54	57	72	86	81
1923	Below Normal	81	81	66	60	66	73	64	65	76	82	86	88
1924	Critical	90	91	90	87	79	76	79	85	89	90	91	92
1925	Dry	94	93	88	85	54	64	60	65	76	84	87	90
1926	Dry	91	91	91	81	58	65	62	70	81	85	88	91
1927	Wet	92	82	74	62	48	53	53	61	68	80	86	74
1928	Above Normal	74	74	78	70	63	49	59	68	82	80	83	81
1929	Critical	81	81	84	84	78	77	80	83	83	86	91	93
1930	Dry	94	94	83	71	68	60	68	75	81	84	87	90
1931	Critical	92	91	91	85	82	82	82	86	89	90	91	93
1932	Dry	95	94	82	72	69	74	74	73	75	82	88	90
1933	Critical	92	91	91	84	81	76	76	80	82	86	90	93
1934	Critical	94	93	86	76	72	74	77	81	83	86	90	92
1935	Below Normal	94	91	90	70	68	63	53	62	74	84	87	89
1936	Below Normal	91	91	91	64	49	57	58	66	74	81	85	88
1937	Below Normal	91	91	90	83	59	53	60	64	73	80	86	90
1938	Wet	92	79	54	60	48	47	48	50	56	70	85	74
1939	Dry	74	76	81	85	82	79	78	79	83	86	89	90
1940	Above Normal	91	91	91	67	51	48	49	62	77	80	82	81
1941	Wet	81	81	62	48	47	48	49	54	66	77	85	74
1942	Wet	74	75	57	49	47	57	54	57	63	76	86	74
1943	Wet	74	74	71	50	51	49	56	63	75	79	83	74
1944	Dry	74	77	81	80	68	65	70	74	80	85	88	91
1945	Below Normal	92	90	83	80	56	61	66	69	77	82	86	89
1946	Below Normal	90	90	55	54	65	66	68	69	78	83	86	89
1947	Dry	90	91	85	83	77	67	69	77	81	85	87	90
1948	Below Normal	91	91	91	82	76	74	63	59	67	78	86	88
1949	Dry	90	91	89	86	83	58	64	72	80	84	87	89
1950	Below Normal	91	91	91	75	58	65	64	68	77	82	86	88
1951	Above Normal	90	62	48	48	49	58	64	67	77	78	82	81
1952	Wet	81	81	62	48	48	50	49	50	57	70	83	74
1953	Wet	74	76	64	48	61	65	69	63	65	75	85	74
1954	Above Normal	74	74	80	69	53	54	55	65	80	79	82	81
1955	Dry	81	81	76	70	74	79	76	75	80	85	88	90
1956	Wet	92	91	52	47	48	54	61	56	64	76	86	74
1957	Above Normal	74	76	81	82	74	57	65	66	76	79	83	81
1958	Wet	81	81	72	58	48	47	48	52	59	72	82	74
1959	Below Normal	74	75	80	71	55	67	72	77	81	82	85	88
1960	Dry	89	91	91	86	67	64	71	75	81	85	87	89
1961	Dry	91	90	85	82	64	65	74	78	82	85	88	91
1962	Below Normal	92	91	83	83	56	61	66	69	78	83	86	89
1963	Wet	69	71	69	66	51	61	49	59	72	81	84	74
1964	Dry	74	74	80	72	72	79	78	78	80	84	88	90
1965	Wet	91	84	52	47	54	64	55	62	73	80	85	74
1966	Below Normal	74	74	78	67	63	66	69	75	81	82	85	89
1967	Wet	90	86	63	53	52	51	52	53	57	69	84	74
1968	Below Normal	74	76	81	71	52	58	68	75	81	81	84	89
1969	Wet	91	90	78	49	47	49	51	52	59	74	87	74
1970	Wet	74	76	55	47	48	54	66	71	79	78	83	74
1971	Wet	74	74	55	53	63	56	61	60	68	77	85	74
1972	Below Normal	74	75	79	78	71	62	69	76	81	81	85	89
1973	Above Normal	90	83	69	50	48	51	61	66	75	80	85	81
1974	Wet	81	58	50	47	53	48	50	60	69	78	84	74
1975	Wet	74	75	79	80	55	49	59	58	64	75	85	74
1976	Critical	74	74	79	84	83	80	79	85	89	90	91	93
1977	Critical	91	91	92	89	85	83	83	87	90	91	92	93
1978	Above Normal	94	93	85	54	53	50	53	60	69	78	84	81
1979	Below Normal	81	81	83	73	59	60	64	64	74	82	86	89
1980	Above Normal	90	84	79	50	47	50	61	65	70	78	84	81
1981	Dry	81	81	83	74	65	62	68	74	81	85	88	89
1982	Wet	90	70	49	48	48	48	47	53	63	74	84	74
1983	Wet	68	59	49	48	47	47	48	48	49	57	66	64
1984	Wet	69	51	47	50	55	57	64	69	78	79	83	74
1985	Dry	74	70	71	76	76	74	73	76	81	85	88	89
1986	Wet	91	91	83	69	48	47	57	65	71	79	84	74
1987	Dry	74	77	82	82	74	65	72	80	82	84	88	91
1988	Critical	92	92	83	66	67	79	79	81	83	86	91	93
1989	Dry	94	92	91	88	84	58	62	71	81	86	87	89
1990	Critical	90	91	91	81	75	75	76	81	86	89	90	92
1991	Critical	94	93	93	87	83	63	68	81	87	88	89	92
1992	Critical	93	93	93	88	65	64	73	81	83	86	90	93
1993	Above Normal	93	93	88	55	51	55	55	60	63	75	85	81
1994	Critical	81	81	83	83	72	73	76	78	85	88	89	91
1995	Wet	92	92	86	50	52	47	49	48	55	63	75	74
1996	Wet	74	75	71	56	48	49	54	55	67	79	86	74
1997	Wet	74	74	51	47	48	58	62	66	75	77	81	74
1998	Wet	74	74	74	57	47	48	50	52	50	61	70	69
1999	Wet	73	71	62	57	49	51	58	64	71	79	85	74
2000	Above Normal	74	74	79	71	49	50	60	65	77	80	83	81
2001	Dry	81	81	84	79	66	62	69	76	81	85	88	91
2002	Dry	92	90	70	55	65	66	69	71	81	86	87	89
2003	Above Normal	91	91	65	51	61	64	62	56	71	80	86	n/a

