DSM2 Modeling Attachment

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

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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.

Table 1: Monthly Average Simulated Electrical Conductivity in Sacramento River at Collinsville for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	5.9	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	6.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	5.1	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	5.1	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
December	3.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	3.6	0.0 (0.4%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)
January	1.9	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	1.8	0.0 (0.1%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
February	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	1.1	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	1.1	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	2.2	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	2.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	3.2	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.3%)	3.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
August	5.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	5.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
September	5.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	5.2	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 2: Monthly Average Simulated Electrical Conductivity in Sacramento River at Collinsville During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	7.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	7.1	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
November	6.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	6.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
December	5.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	5.5	0.0 (0.0%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (-0.1%)
January	3.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	3.4	0.0 (-0.1%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.1%)
February	1.7	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	1.7	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
March	1.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	1.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	1.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	1.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)
May	2.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	2.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
June	3.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	4.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	5.3	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.3%)	5.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.3%)
August	7.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	7.4	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
September	8.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	8.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.2%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 3: Monthly Average Simulated Electrical Conductivity in Sacramento River at Chipps Island for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	8.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	8.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	7.9	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	7.8	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
December	5.9	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	5.9	0.0 (0.3%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
January	3.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	3.2	0.0 (0.1%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
February	1.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	1.5	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
March	1.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	1.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	1.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	1.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	2.1	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	2.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	4.0	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	4.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	5.7	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.3%)	5.8	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)
August	8.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	8.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
September	7.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	7.9	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC075)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 4: Monthly Average Simulated Electrical Conductivity in Sacramento River at Chipps Island During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	10.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	10.3	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
November	9.9	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	10.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
December	8.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	8.7	0.0 (0.0%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.0%)
January	6.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	6.0	0.0 (0.0%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.1%)
February	3.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	3.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
March	2.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	2.5	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	3.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	3.0	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	4.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	4.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
June	6.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	6.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	8.7	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	8.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.2%)
August	10.9	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	11.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.1%)
September	12.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	12.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)

Source: DSM2 Version 8.0.6 (Node RSAC075)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 5: Monthly Average Simulated Electrical Conductivity in Sacramento River at Emmanton for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	1.9	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.3%)	0.0 (-0.1%)	0.0 (0.0%)	2.0	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
November	1.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.1%)	1.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
December	1.0	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (0.2%)	0.9	0.0 (0.4%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)
January	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
February	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
May	0.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.3	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.7	0.0 (1.3%)	0.0 (1.2%)	0.0 (1.5%)	0.0 (1.2%)	0.0 (0.2%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
August	1.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	1.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
September	1.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.1%)	1.6	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)

Source: DSM2 Version 8.0.6 (Node SAC_EMMATON)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 6: Monthly Average Simulated Electrical Conductivity in Sacramento River at Emmanton During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	2.4	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	2.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.1%)
November	2.2	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	2.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
December	1.5	0.0 (-0.5%)	0.0 (-0.5%)	0.0 (-0.6%)	0.0 (-0.6%)	0.0 (-0.6%)	1.5	0.0 (-0.1%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (-0.6%)
January	0.8	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.8	0.0 (-0.1%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)
February	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.0%)
May	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.2%)
June	1.0	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	1.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	1.3	0.0 (1.7%)	0.0 (1.6%)	0.0 (2.0%)	0.0 (1.6%)	0.0 (1.6%)	1.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (1.5%)
August	2.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	2.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	2.9	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	3.1	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (0.2%)

Source: DSM2 Version 8.0.6 (Node SAC_EMMATON)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 7: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Jersey Point for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	1.6	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.3%)	0.0 (0.1%)	0.0 (-0.1%)	1.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	1.5	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.1%)	0.0 (-0.2%)	0.0 (0.0%)	1.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
December	1.2	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.5%)	0.0 (0.1%)	0.0 (-0.1%)	1.2	0.0 (0.5%)	0.0 (1.4%)	0.0 (1.4%)	0.0 (1.4%)	0.0 (1.4%)
January	0.7	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.0%)	0.7	0.0 (0.1%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
February	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.3	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
April	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
May	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.9	0.0 (-0.6%)	0.0 (-0.6%)	0.0 (-0.7%)	0.0 (-0.5%)	0.0 (0.1%)	1.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	1.6	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.2%)	1.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	1.8	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.3%)	1.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 8: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Jersey Point During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	1.8	0.0 (0.6%)	0.0 (0.4%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	1.8	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.5%)
November	1.8	0.0 (-0.5%)	0.0 (-0.5%)	0.0 (-0.3%)	0.0 (-0.6%)	0.0 (-0.6%)	1.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.6%)
December	1.8	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.2%)	1.7	0.0 (0.0%)	0.0 (1.5%)	0.0 (1.5%)	0.0 (1.5%)	0.0 (0.2%)
January	1.1	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	1.1	0.0 (-0.1%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.4%)
February	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
March	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
April	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.3	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
May	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.1%)
June	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
July	1.7	0.0 (-1.1%)	0.0 (-1.1%)	0.0 (-1.3%)	0.0 (-1.0%)	0.0 (-1.0%)	1.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-1.0%)
August	2.1	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	2.1	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (0.3%)
September	2.7	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	2.8	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.5%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 9: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Brandt Bridge for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.8	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
January	0.8	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.7	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
February	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (0.9%)	0.0 (1.0%)
March	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.6	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
June	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.7%)	0.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
July	0.6	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 10: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Brandt Bridge During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
December	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 11: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Vernalis for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.8	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
January	0.8	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.7	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
February	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (0.9%)	0.0 (1.0%)
March	0.6	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.6	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
June	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
July	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 12: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Vernalis During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
December	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 13: Monthly Average Simulated Electrical Conductivity in Old River near Tracy Road Bridge for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.8	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)
January	0.8	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.7%)	0.7	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
February	0.7	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.0%)	0.0 (1.1%)	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)
March	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.6%)	0.6	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.5	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
June	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.7%)	0.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
July	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 14: Monthly Average Simulated Electrical Conductivity in Old River near Tracy Road Bridge During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
August	0.6	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 15: Monthly Average Simulated Electrical Conductivity in Old River at Middle River for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.8	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
January	0.8	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.7	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
February	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.7	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (0.9%)	0.0 (1.0%)
March	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.6	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
June	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
July	0.6	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID040)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 16: Monthly Average Simulated Electrical Conductivity in Old River at Middle River During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.6	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
December	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID040)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 17: Monthly Average Simulated Electrical Conductivity in Old River at Highway 4 (CCWD Intake) for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.0%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
December	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.6	0.0 (0.2%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.0 (0.5%)
January	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (-0.1%)	0.6	0.0 (0.1%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)
February	0.5	0.0 (1.2%)	0.0 (1.2%)	0.0 (1.2%)	0.0 (1.1%)	0.0 (1.2%)	0.5	0.0 (1.2%)	0.0 (1.4%)	0.0 (1.4%)	0.0 (1.2%)	0.0 (1.4%)
March	0.4	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)
June	0.3	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)
July	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)
August	0.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD034)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 18: Monthly Average Simulated Electrical Conductivity in Old River at Highway 4 (CCWD Intake) During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.5%)	0.0 (0.3%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.7	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (0.4%)
November	0.6	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.7	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.1%)
December	0.7	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.3%)	0.0 (-0.3%)	0.7	0.0 (-0.1%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (-0.3%)
January	0.7	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.0%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.5%)
February	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.5	0.0 (0.0%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)
March	0.5	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.5	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)
April	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)
May	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.1%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.1%)
June	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
July	0.5	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.4%)	0.0 (-0.3%)	0.0 (-0.3%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.3%)
August	0.7	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)
September	0.8	0.0 (0.6%)	0.0 (0.4%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	0.8	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.5%)

Source: DSM2 Version 8.0.6 (Node ROLD034)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 19: Monthly Average Simulated Electrical Conductivity in Old River at Bacon Island for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.7	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.0%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.6	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.2%)	0.0 (-0.2%)	0.6	0.0 (0.3%)	0.0 (0.7%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.7%)
January	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.1%)	0.0 (-0.2%)	0.5	0.0 (0.2%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.8%)
February	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)	0.4	0.0 (0.7%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.9%)	0.0 (0.8%)
March	0.3	0.0 (0.5%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)	0.3	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.3	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.3	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)
May	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)
June	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.3	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.3%)
July	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)
August	0.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.7	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.2%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD024)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 20: Monthly Average Simulated Electrical Conductivity in Old River at Bacon Island During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.7	0.0 (0.6%)	0.0 (0.4%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	0.8	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (0.5%)
November	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.0%)
December	0.8	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.3%)	0.0 (-0.3%)	0.8	0.0 (0.0%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (-0.3%)
January	0.7	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	0.7	0.0 (0.0%)	0.0 (1.0%)	0.0 (1.1%)	0.0 (1.0%)	0.0 (0.6%)
February	0.4	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.4	0.0 (-0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
March	0.4	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.2%)
April	0.4	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.4	0.0 (-0.4%)	0.0 (-0.4%)	0.0 (-0.4%)	0.0 (-0.4%)	0.0 (0.2%)
May	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
June	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.5	0.0 (-0.4%)	0.0 (-0.4%)	0.0 (-0.5%)	0.0 (-0.3%)	0.0 (-0.3%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.3%)
August	0.8	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)
September	0.9	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	1.0	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (0.6%)

Source: DSM2 Version 8.0.6 (Node ROLD024)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 21: Monthly Average Simulated Electrical Conductivity in Delta Mendota Canal at Tracy Pumping Plant for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.3%)	0.5	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)
December	0.6	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.3%)	0.6	0.0 (0.5%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)
January	0.7	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.6%)	0.6	0.0 (0.6%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
February	0.6	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.0%)	0.6	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (0.9%)	0.0 (1.0%)
March	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.7%)	0.5	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
April	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
June	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)
July	0.4	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.4%)	0.4	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)
August	0.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 22: Monthly Average Simulated Electrical Conductivity in Delta Mendota Canal at Tracy Pumping Plant During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.4%)
November	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)
December	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.2%)	0.0 (-0.2%)	0.7	0.0 (0.0%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (-0.2%)
January	0.8	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.7	0.0 (0.0%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)
February	0.7	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.2%)
March	0.7	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.2%)
April	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
June	0.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)
July	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (-0.2%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.2%)
August	0.6	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)
September	0.7	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (0.4%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 23: Monthly Average Simulated Electrical Conductivity in Contra Costa Canal Pumping Plant #1 for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.7	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.1%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
December	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.1%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)
January	0.7	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.0%)	0.7	0.0 (0.3%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
February	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.5	0.0 (1.1%)	0.0 (1.2%)	0.0 (1.3%)	0.0 (1.3%)	0.0 (1.3%)
March	0.4	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.7%)	0.5	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)
April	0.4	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
June	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)
July	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)
August	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.7	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.1%)	0.7	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 24: Monthly Average Simulated Electrical Conductivity in Contra Costa Canal Pumping Plant #1 During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.7	0.0 (0.6%)	0.0 (0.4%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.6%)	0.7	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.6%)
November	0.7	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	0.8	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (0.4%)
December	0.7	0.0 (-0.4%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.4%)	0.0 (-0.4%)	0.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.4%)
January	0.8	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	0.8	0.0 (0.0%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.7%)	0.0 (0.1%)
February	0.5	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.5	0.0 (0.0%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
March	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
April	0.4	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.4	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (0.2%)
May	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.4%)	0.0 (-0.2%)	0.0 (-0.2%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.2%)
August	0.8	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.1%)	0.0 (-0.1%)	0.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
September	0.9	0.0 (0.6%)	0.0 (0.4%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.9	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.6%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 25: Monthly Average Simulated Electrical Conductivity in West Canal at the mouth of Clifton Court Forebay Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)
December	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.1%)	0.0 (0.2%)	0.6	0.0 (0.4%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
January	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.8%)	0.0 (0.7%)	0.0 (0.5%)	0.6	0.0 (0.4%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
February	0.6	0.0 (1.2%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.2%)	0.5	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.1%)	0.0 (0.9%)	0.0 (1.1%)
March	0.5	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.7%)	0.5	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)
April	0.4	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.4	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
June	0.4	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.4	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)
July	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.3%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)
August	0.4	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.6	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.3%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 26: Monthly Average Simulated Electrical Conductivity in West Canal at the mouth of Clifton Court Forebay Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.6	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.4%)
November	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)
December	0.6	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.6	0.0 (-0.1%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (-0.2%)
January	0.7	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.7	0.0 (0.0%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.4%)
February	0.7	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
March	0.6	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.3%)
April	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
May	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.5	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
June	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
July	0.5	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (-0.2%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.2%)
August	0.6	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.6	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)
September	0.7	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.7	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.5%)

Source: DSM2 Version 8.0.6 (Node CHWST000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 27: Monthly Average Simulated Electrical Conductivity in Middle River at Victoria Canal for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.4	0.0 (-0.2%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (-0.3%)
December	0.5	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.5	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
January	0.6	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.8%)	0.0 (0.7%)	0.0 (0.5%)	0.6	0.0 (0.6%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.9%)
February	0.6	0.0 (1.1%)	0.0 (1.0%)	0.0 (1.1%)	0.0 (1.0%)	0.0 (1.1%)	0.5	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)
March	0.5	0.0 (1.1%)	0.0 (1.1%)	0.0 (1.0%)	0.0 (1.0%)	0.0 (1.0%)	0.5	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.9%)
April	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)
May	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)
June	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.8%)	0.4	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)
July	0.3	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.4%)
August	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
September	0.4	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node CHVCT000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 28: Monthly Average Simulated Electrical Conductivity in Middle River at Victoria Canal During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
November	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.2%)
December	0.5	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.5	0.0 (-0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (-0.2%)
January	0.6	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	0.6	0.0 (0.0%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.2%)
February	0.6	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.6	0.0 (0.0%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
March	0.6	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)
April	0.6	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.2%)
May	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)
June	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)
July	0.4	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.3%)
August	0.5	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.1%)	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (-0.1%)
September	0.5	0.0 (0.4%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.3%)

Source: DSM2 Version 8.0.6 (Node CHVCT000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 29: Monthly Average Simulated Chloride in Rock Slough for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	138.8	0.4 (0.3%)	0.4 (0.3%)	0.5 (0.4%)	0.4 (0.3%)	0.1 (0.1%)	142.9	-0.2 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)
November	137.4	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.1%)	0.0 (0.0%)	-0.2 (-0.2%)	140.9	-0.2 (-0.1%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)
December	128.0	-0.4 (-0.3%)	-0.4 (-0.3%)	-0.3 (-0.2%)	-0.5 (-0.4%)	-0.2 (-0.2%)	136.3	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.0%)	0.1 (0.1%)	0.0 (0.0%)
January	138.1	0.4 (0.3%)	0.4 (0.3%)	0.7 (0.5%)	0.3 (0.2%)	0.1 (0.1%)	150.5	0.7 (0.5%)	1.3 (0.9%)	1.4 (0.9%)	1.3 (0.9%)	1.4 (0.9%)
February	89.4	0.3 (0.3%)	0.3 (0.3%)	0.3 (0.4%)	0.2 (0.3%)	0.1 (0.2%)	103.9	1.8 (1.7%)	1.9 (1.8%)	1.9 (1.9%)	1.9 (1.9%)	2.0 (1.9%)
March	73.5	0.7 (1.0%)	0.7 (1.0%)	0.8 (1.0%)	0.6 (0.8%)	0.8 (1.1%)	86.6	1.2 (1.4%)	1.2 (1.4%)	1.2 (1.4%)	1.2 (1.4%)	1.2 (1.4%)
April	67.7	0.7 (1.0%)	0.6 (1.0%)	0.6 (0.9%)	0.6 (0.8%)	0.7 (1.0%)	71.4	0.4 (0.6%)	0.4 (0.6%)	0.4 (0.6%)	0.4 (0.5%)	0.5 (0.7%)
May	69.7	0.8 (1.1%)	0.8 (1.1%)	0.8 (1.1%)	0.8 (1.1%)	0.8 (1.2%)	68.6	0.4 (0.6%)	0.5 (0.7%)	0.5 (0.7%)	0.4 (0.6%)	0.5 (0.7%)
June	42.0	0.3 (0.6%)	0.2 (0.6%)	0.2 (0.6%)	0.2 (0.6%)	0.2 (0.6%)	41.1	0.1 (0.2%)	0.1 (0.3%)	0.1 (0.3%)	0.1 (0.3%)	0.2 (0.4%)
July	55.7	-0.1 (-0.1%)	-0.1 (-0.2%)	-0.2 (-0.3%)	0.0 (-0.1%)	0.0 (0.0%)	57.6	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.1%)	-0.1 (-0.2%)
August	99.7	0.0 (0.0%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.0 (0.0%)	0.1 (0.1%)	105.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	142.2	0.8 (0.6%)	0.7 (0.5%)	1.0 (0.7%)	0.8 (0.6%)	0.3 (0.2%)	153.4	-0.2 (-0.1%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.3 (-0.2%)	-0.2 (-0.2%)

Source: DSM2 Version 8.0.6 (Node RS Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 30: Monthly Average Simulated Chloride in Rock Slough During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	161.2	1.4 (0.9%)	1.0 (0.6%)	1.5 (0.9%)	1.3 (0.8%)	1.3 (0.8%)	162.6	-0.5 (-0.3%)	-0.5 (-0.3%)	-0.5 (-0.3%)	-0.5 (-0.3%)	1.3 (0.8%)
November	163.3	0.9 (0.6%)	0.6 (0.4%)	1.0 (0.6%)	0.9 (0.6%)	0.9 (0.6%)	167.8	-0.6 (-0.3%)	-0.5 (-0.3%)	-0.5 (-0.3%)	-0.5 (-0.3%)	0.9 (0.6%)
December	162.5	-0.8 (-0.5%)	-0.7 (-0.5%)	-0.6 (-0.3%)	-0.9 (-0.6%)	-0.9 (-0.6%)	173.4	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.9 (-0.5%)
January	172.6	0.3 (0.2%)	0.3 (0.2%)	0.4 (0.2%)	0.2 (0.1%)	0.2 (0.1%)	184.3	0.1 (0.0%)	1.8 (1.0%)	1.8 (1.0%)	1.6 (0.9%)	0.2 (0.1%)
February	98.7	0.4 (0.4%)	0.4 (0.4%)	0.4 (0.4%)	0.3 (0.4%)	0.3 (0.4%)	102.4	-0.1 (-0.1%)	0.4 (0.4%)	0.4 (0.4%)	0.4 (0.4%)	0.3 (0.3%)
March	72.3	0.1 (0.2%)	0.2 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	79.1	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.1 (0.1%)
April	67.6	0.3 (0.4%)	0.3 (0.4%)	0.2 (0.4%)	0.3 (0.4%)	0.3 (0.4%)	66.7	-0.4 (-0.6%)	-0.4 (-0.5%)	-0.4 (-0.6%)	-0.4 (-0.5%)	0.3 (0.4%)
May	71.9	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	68.2	-0.1 (-0.2%)	0.1 (0.2%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)
June	56.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	55.2	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
July	95.5	-0.4 (-0.4%)	-0.4 (-0.4%)	-0.5 (-0.6%)	-0.3 (-0.3%)	-0.3 (-0.3%)	97.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	-0.3 (-0.3%)
August	167.8	-0.4 (-0.2%)	-0.5 (-0.3%)	-0.7 (-0.4%)	-0.2 (-0.1%)	-0.2 (-0.1%)	173.0	-0.1 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.1%)
September	194.8	1.5 (0.8%)	1.1 (0.6%)	1.5 (0.8%)	1.5 (0.8%)	1.5 (0.8%)	197.0	-0.4 (-0.2%)	-0.5 (-0.2%)	-0.5 (-0.2%)	-0.5 (-0.3%)	1.5 (0.8%)

Source: DSM2 Version 8.0.6 (Node RS Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 31: Monthly Average Simulated Chloride in Clifton Court Forebay Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	108.5	0.2 (0.2%)	0.1 (0.1%)	0.2 (0.2%)	0.2 (0.1%)	0.0 (0.0%)	111.0	-0.2 (-0.1%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)
November	106.9	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.2 (-0.1%)	-0.2 (-0.2%)	-0.3 (-0.3%)	105.8	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)
December	109.6	0.3 (0.3%)	0.2 (0.2%)	0.5 (0.4%)	0.2 (0.2%)	0.2 (0.2%)	107.3	0.7 (0.7%)	1.1 (1.0%)	1.1 (1.0%)	1.0 (1.0%)	1.1 (1.0%)
January	130.3	1.2 (0.9%)	1.2 (0.9%)	1.4 (1.1%)	1.2 (0.9%)	0.8 (0.6%)	122.3	0.7 (0.5%)	1.2 (1.0%)	1.2 (1.0%)	1.2 (1.0%)	1.2 (1.0%)
February	109.0	1.8 (1.6%)	1.8 (1.6%)	1.8 (1.6%)	1.6 (1.5%)	1.8 (1.6%)	100.2	1.5 (1.5%)	1.6 (1.6%)	1.6 (1.6%)	1.4 (1.4%)	1.6 (1.6%)
March	92.3	0.9 (1.0%)	1.0 (1.0%)	0.9 (1.0%)	0.8 (0.9%)	0.9 (1.0%)	83.6	0.5 (0.6%)	0.6 (0.7%)	0.6 (0.7%)	0.5 (0.6%)	0.6 (0.7%)
April	75.0	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	60.9	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.6%)
May	70.9	0.6 (0.9%)	0.6 (0.9%)	0.6 (0.9%)	0.6 (0.9%)	0.6 (0.9%)	62.0	0.2 (0.3%)	0.3 (0.4%)	0.3 (0.4%)	0.3 (0.4%)	0.3 (0.5%)
June	54.7	0.5 (1.0%)	0.5 (1.0%)	0.5 (1.0%)	0.5 (1.0%)	0.6 (1.0%)	50.2	0.2 (0.3%)	0.2 (0.4%)	0.2 (0.4%)	0.2 (0.5%)	0.2 (0.5%)
July	50.1	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.3 (0.6%)	49.9	0.1 (0.2%)	0.1 (0.3%)	0.1 (0.2%)	0.1 (0.3%)	0.2 (0.3%)
August	78.4	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	79.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	113.2	0.5 (0.4%)	0.4 (0.4%)	0.6 (0.5%)	0.5 (0.4%)	0.1 (0.1%)	115.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CCF Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 32: Monthly Average Simulated Chloride in Clifton Court Forebay Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	123.4	0.7 (0.6%)	0.4 (0.3%)	0.8 (0.6%)	0.7 (0.6%)	0.7 (0.6%)	125.7	-0.4 (-0.3%)	-0.4 (-0.3%)	-0.4 (-0.3%)	-0.4 (-0.3%)	0.7 (0.6%)
November	123.2	-0.2 (-0.1%)	-0.2 (-0.2%)	0.0 (0.0%)	-0.1 (-0.1%)	-0.1 (-0.1%)	125.9	-0.4 (-0.3%)	-0.4 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.2%)	-0.1 (-0.1%)
December	133.7	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.1 (-0.1%)	-0.4 (-0.3%)	-0.4 (-0.3%)	132.1	-0.1 (-0.1%)	0.8 (0.6%)	0.9 (0.6%)	0.8 (0.6%)	-0.4 (-0.3%)
January	158.7	0.8 (0.5%)	0.8 (0.5%)	0.9 (0.6%)	0.8 (0.5%)	0.8 (0.5%)	148.8	0.0 (0.0%)	1.4 (0.9%)	1.4 (0.9%)	1.3 (0.9%)	0.8 (0.5%)
February	138.2	0.1 (0.1%)	0.1 (0.1%)	0.2 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	127.2	-0.1 (0.0%)	0.3 (0.2%)	0.2 (0.2%)	0.3 (0.2%)	0.1 (0.1%)
March	134.5	0.4 (0.3%)	0.5 (0.4%)	0.4 (0.3%)	0.4 (0.3%)	0.4 (0.3%)	124.3	0.0 (0.0%)	0.1 (0.0%)	0.0 (0.0%)	0.1 (0.0%)	0.4 (0.4%)
April	110.8	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	96.8	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)
May	99.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	91.4	0.0 (0.0%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.0 (0.0%)
June	72.3	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	67.2	0.0 (0.0%)	0.1 (0.2%)	0.1 (0.1%)	0.1 (0.2%)	0.0 (0.0%)
July	80.2	-0.3 (-0.4%)	-0.3 (-0.4%)	-0.4 (-0.5%)	-0.2 (-0.3%)	-0.2 (-0.3%)	80.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.1%)	-0.2 (-0.3%)
August	125.8	-0.1 (-0.1%)	-0.2 (-0.2%)	-0.2 (-0.2%)	0.0 (0.0%)	0.0 (0.0%)	128.4	-0.2 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.1%)	0.0 (0.0%)
September	154.5	1.1 (0.7%)	0.9 (0.6%)	1.1 (0.7%)	1.1 (0.7%)	1.1 (0.7%)	157.2	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.4 (-0.2%)	1.1 (0.7%)

Source: DSM2 Version 8.0.6 (Node CCF Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 33: Monthly Average Simulated Chloride in Delta Mendota Canal at Tracy Pumping Plant for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	104.9	0.1 (0.1%)	0.1 (0.1%)	0.2 (0.2%)	0.1 (0.1%)	0.0 (0.0%)	105.4	-0.1 (-0.1%)	-0.2 (-0.1%)	-0.2 (-0.2%)	-0.2 (-0.1%)	-0.2 (-0.2%)
November	105.6	-0.4 (-0.4%)	-0.4 (-0.4%)	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.5 (-0.4%)	103.3	-0.5 (-0.5%)	-0.5 (-0.5%)	-0.5 (-0.5%)	-0.5 (-0.5%)	-0.5 (-0.5%)
December	125.2	0.6 (0.5%)	0.5 (0.4%)	0.7 (0.5%)	0.5 (0.4%)	0.5 (0.4%)	119.0	0.8 (0.7%)	1.1 (0.9%)	1.1 (0.9%)	1.0 (0.8%)	1.1 (0.9%)
January	144.1	1.5 (1.1%)	1.5 (1.1%)	1.6 (1.1%)	1.5 (1.0%)	1.2 (0.8%)	131.6	1.1 (0.8%)	1.3 (1.0%)	1.3 (1.0%)	1.2 (0.9%)	1.3 (1.0%)
February	125.4	1.9 (1.5%)	1.9 (1.5%)	1.9 (1.5%)	1.8 (1.5%)	1.8 (1.4%)	115.1	1.6 (1.4%)	1.6 (1.4%)	1.6 (1.4%)	1.5 (1.3%)	1.6 (1.4%)
March	107.9	1.1 (1.0%)	1.1 (1.0%)	1.1 (1.0%)	1.0 (0.9%)	1.1 (1.0%)	97.5	0.7 (0.7%)	0.7 (0.7%)	0.7 (0.7%)	0.7 (0.7%)	0.7 (0.7%)
April	83.5	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	0.6 (0.7%)	68.8	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)
May	75.4	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	66.3	0.2 (0.3%)	0.3 (0.4%)	0.3 (0.4%)	0.3 (0.4%)	0.3 (0.4%)
June	65.0	0.9 (1.3%)	0.9 (1.3%)	0.9 (1.3%)	0.8 (1.3%)	0.9 (1.3%)	59.6	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.5%)	0.3 (0.6%)	0.3 (0.6%)
July	58.6	0.1 (0.2%)	0.1 (0.2%)	0.2 (0.3%)	0.2 (0.3%)	0.4 (0.6%)	57.0	0.2 (0.4%)	0.2 (0.4%)	0.2 (0.3%)	0.2 (0.3%)	0.3 (0.5%)
August	80.2	0.1 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	80.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	107.8	0.3 (0.3%)	0.2 (0.2%)	0.4 (0.4%)	0.3 (0.3%)	0.0 (0.0%)	108.1	0.0 (0.0%)	0.0 (0.0%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node DMC Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 34: Monthly Average Simulated Chloride in Delta Mendota Canal at Tracy Pumping Plant During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	116.9	0.6 (0.5%)	0.3 (0.3%)	0.7 (0.6%)	0.6 (0.5%)	0.6 (0.5%)	117.3	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	0.6 (0.5%)
November	118.6	-0.1 (-0.1%)	-0.1 (-0.1%)	0.0 (0.0%)	-0.1 (-0.1%)	-0.1 (-0.1%)	119.1	-0.4 (-0.3%)	-0.4 (-0.3%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.1 (-0.1%)
December	144.4	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.1 (-0.1%)	-0.3 (-0.2%)	-0.3 (-0.2%)	138.3	-0.1 (-0.1%)	0.5 (0.4%)	0.5 (0.4%)	0.5 (0.4%)	-0.3 (-0.2%)
January	170.4	0.6 (0.3%)	0.6 (0.3%)	0.7 (0.4%)	0.6 (0.3%)	0.6 (0.3%)	154.9	0.0 (0.0%)	0.5 (0.3%)	0.5 (0.3%)	0.5 (0.3%)	0.6 (0.4%)
February	163.2	0.4 (0.3%)	0.4 (0.3%)	0.4 (0.3%)	0.4 (0.2%)	0.4 (0.2%)	151.2	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.4 (0.3%)
March	160.9	0.3 (0.2%)	0.4 (0.2%)	0.3 (0.2%)	0.3 (0.2%)	0.3 (0.2%)	149.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3 (0.2%)
April	124.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	109.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	106.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	97.8	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.0%)
June	80.7	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	74.5	-0.1 (-0.1%)	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)
July	81.0	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.4 (-0.4%)	-0.2 (-0.3%)	-0.2 (-0.3%)	81.0	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	-0.2 (-0.3%)
August	119.6	0.0 (0.0%)	-0.2 (-0.2%)	-0.2 (-0.2%)	0.0 (0.0%)	0.0 (0.0%)	122.0	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.0 (0.0%)
September	142.3	0.9 (0.6%)	0.7 (0.5%)	0.8 (0.6%)	0.8 (0.6%)	0.8 (0.6%)	143.7	-0.2 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	-0.3 (-0.2%)	0.8 (0.6%)

Source: DSM2 Version 8.0.6 (Node DMC Chlorides)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 35: Monthly Average Simulated Electrical Conductivity in City of Stockton Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.4	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
November	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.4	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.3%)
December	0.4	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.3%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (0.4%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
January	0.5	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.7%)	0.0 (0.6%)	0.0 (0.4%)	0.5	0.0 (0.4%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)
February	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.8%)
March	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.7%)	0.0 (0.8%)	0.4	0.0 (0.6%)	0.0 (0.6%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.6%)
April	0.4	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.4	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)
May	0.4	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.3	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.4%)
June	0.3	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.8%)	0.0 (0.9%)	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.4%)	0.0 (0.4%)
July	0.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.4%)	0.3	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.3%)
August	0.3	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.4	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node EMPTRACT_SL)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 36: Monthly Average Simulated Electrical Conductivity in City of Stockton Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.4	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.2%)
November	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
December	0.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.2%)	0.0 (-0.2%)	0.5	0.0 (-0.1%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (-0.2%)
January	0.5	0.0 (0.4%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.4%)	0.5	0.0 (0.0%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.7%)	0.0 (0.4%)
February	0.5	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)
March	0.5	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.3%)
April	0.5	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.2%)
May	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
June	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.0%)	0.0 (0.2%)	0.0 (0.0%)	0.0 (0.2%)	0.0 (0.0%)
July	0.3	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.4%)	0.0 (-0.2%)	0.0 (-0.2%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.2%)
August	0.4	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (0.0%)
September	0.5	0.0 (0.5%)	0.0 (0.4%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.5	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.5%)

Source: DSM2 Version 8.0.6 (Node EMPTRACT_SL)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 37: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Antioch Water Works Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	4.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	4.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	3.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (0.0%)	3.8	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
December	2.8	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.0%)	0.0 (0.0%)	2.8	0.0 (0.4%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (1.0%)	0.0 (1.0%)
January	1.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.0%)	1.4	0.0 (0.1%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)
February	0.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.6	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.5	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
May	0.7	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.2%)	0.7	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	1.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	1.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	2.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.2%)	2.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
August	4.0	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	4.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
September	4.1	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.1%)	4.2	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node RSAN007)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 38: Monthly Average Simulated Electrical Conductivity in San Joaquin River at Antioch Water Works Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	5.0	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	5.1	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.2%)
November	4.9	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.2%)	0.0 (-0.4%)	0.0 (-0.4%)	5.0	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.4%)
December	4.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	4.2	0.0 (0.0%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (0.9%)	0.0 (-0.1%)
January	2.7	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	2.6	0.0 (-0.1%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.5%)	0.0 (0.1%)
February	1.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	1.2	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)
March	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	0.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.8	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)
May	1.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	1.4	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
June	2.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	2.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	4.0	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	4.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.2%)
August	5.5	0.0 (0.2%)	0.0 (0.1%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	5.6	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (0.2%)
September	6.6	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.3%)	0.0 (0.2%)	0.0 (0.2%)	6.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.2%)

Source: DSM2 Version 8.0.6 (Node RSAN007)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 39: Monthly Average Simulated Electrical Conductivity in Barker Slough at North Bay Aqueduct Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	0.3	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
February	0.4	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
March	0.4	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.2%)	0.0 (-0.2%)	0.4	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.2%)	0.0 (-0.1%)	0.0 (-0.1%)
April	0.3	0.0 (-0.3%)	0.0 (-0.3%)	0.0 (-0.4%)	0.0 (-0.4%)	0.0 (-0.4%)	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
May	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
June	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node SLBAR002)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 40: Monthly Average Simulated Electrical Conductivity in Barker Slough at North Bay Aqueduct Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm	mS/cm
October	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	0.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
December	0.2	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
January	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	0.3	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
March	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
April	0.3	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.3	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.3%)	0.0 (0.1%)
May	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.3	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	0.2	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	0.2	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node SLBAR002)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 41: Monthly Average Simulated Chloride in City of Stockton Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	61.7	0.1 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.1 (0.1%)	0.0 (0.0%)	60.8	-0.1 (-0.1%)	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.1%)	-0.1 (-0.2%)
November	66.6	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.1%)	0.0 (0.0%)	-0.1 (-0.2%)	63.8	-0.4 (-0.6%)	-0.4 (-0.6%)	-0.4 (-0.6%)	-0.4 (-0.6%)	-0.4 (-0.6%)
December	69.4	0.3 (0.4%)	0.2 (0.3%)	0.3 (0.5%)	0.1 (0.2%)	0.1 (0.2%)	68.1	0.5 (0.7%)	0.8 (1.2%)	0.9 (1.2%)	0.8 (1.2%)	0.9 (1.3%)
January	84.2	0.8 (1.0%)	0.8 (1.0%)	0.9 (1.1%)	0.8 (0.9%)	0.5 (0.6%)	80.6	0.5 (0.6%)	0.9 (1.1%)	0.8 (1.1%)	0.9 (1.1%)	0.9 (1.1%)
February	72.4	1.0 (1.4%)	1.0 (1.4%)	1.0 (1.4%)	1.0 (1.3%)	1.0 (1.3%)	65.8	0.8 (1.2%)	0.8 (1.3%)	0.8 (1.2%)	0.8 (1.2%)	0.8 (1.3%)
March	65.6	0.9 (1.4%)	0.9 (1.3%)	0.8 (1.3%)	0.8 (1.2%)	0.8 (1.3%)	58.9	0.5 (0.9%)	0.5 (0.9%)	0.5 (0.9%)	0.5 (0.9%)	0.6 (1.0%)
April	63.4	0.6 (1.0%)	0.6 (0.9%)	0.6 (0.9%)	0.6 (1.0%)	0.6 (1.0%)	54.8	0.4 (0.6%)	0.4 (0.6%)	0.3 (0.6%)	0.3 (0.6%)	0.4 (0.7%)
May	55.3	0.6 (1.1%)	0.6 (1.0%)	0.6 (1.0%)	0.6 (1.0%)	0.6 (1.0%)	47.5	0.2 (0.4%)	0.3 (0.5%)	0.2 (0.5%)	0.3 (0.5%)	0.3 (0.6%)
June	36.5	0.6 (1.6%)	0.6 (1.5%)	0.6 (1.5%)	0.6 (1.6%)	0.6 (1.7%)	34.0	0.2 (0.6%)	0.2 (0.6%)	0.2 (0.5%)	0.3 (0.8%)	0.2 (0.7%)
July	33.7	0.1 (0.3%)	0.1 (0.3%)	0.1 (0.2%)	0.1 (0.3%)	0.3 (0.8%)	33.3	0.1 (0.4%)	0.1 (0.4%)	0.1 (0.3%)	0.1 (0.4%)	0.2 (0.6%)
August	44.3	0.1 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.2%)	0.0 (0.1%)	44.6	0.0 (-0.1%)	0.0 (-0.1%)	-0.1 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)
September	61.7	0.2 (0.3%)	0.1 (0.2%)	0.2 (0.4%)	0.2 (0.3%)	0.0 (-0.1%)	62.3	0.0 (-0.1%)	0.0 (-0.1%)	-0.1 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)

Source: DSM2 Version 8.0.6 (Node EMPTRACT_SL)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 42: Monthly Average Simulated Chloride in City of Stockton Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	67.6	0.3 (0.4%)	0.1 (0.2%)	0.3 (0.4%)	0.3 (0.4%)	0.3 (0.4%)	66.6	-0.1 (-0.2%)	-0.1 (-0.1%)	-0.1 (-0.2%)	-0.1 (-0.1%)	0.3 (0.4%)
November	71.9	0.1 (0.1%)	0.1 (0.1%)	0.2 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	70.4	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.1 (-0.2%)	0.1 (0.2%)
December	83.5	-0.1 (-0.1%)	-0.1 (-0.1%)	0.1 (0.1%)	-0.2 (-0.2%)	-0.2 (-0.2%)	82.3	-0.1 (-0.1%)	0.9 (1.1%)	0.9 (1.1%)	0.9 (1.1%)	-0.2 (-0.2%)
January	99.8	0.6 (0.6%)	0.7 (0.7%)	0.7 (0.7%)	0.6 (0.6%)	0.6 (0.6%)	95.3	0.0 (0.0%)	1.0 (1.1%)	1.0 (1.0%)	1.0 (1.0%)	0.6 (0.6%)
February	84.1	0.2 (0.3%)	0.2 (0.2%)	0.2 (0.3%)	0.2 (0.2%)	0.2 (0.2%)	76.2	-0.1 (-0.1%)	0.2 (0.2%)	0.1 (0.1%)	0.2 (0.2%)	0.2 (0.3%)
March	85.5	0.4 (0.4%)	0.4 (0.5%)	0.4 (0.4%)	0.4 (0.4%)	0.4 (0.4%)	78.1	0.0 (0.0%)	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	0.4 (0.5%)
April	81.9	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	74.6	-0.1 (-0.1%)	0.0 (0.0%)	-0.1 (-0.1%)	0.0 (0.0%)	0.2 (0.3%)
May	69.2	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	61.5	0.0 (0.0%)	0.1 (0.2%)	0.1 (0.1%)	0.1 (0.2%)	0.0 (0.0%)
June	40.7	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	37.6	0.0 (0.0%)	0.1 (0.3%)	0.0 (0.0%)	0.2 (0.4%)	0.0 (0.1%)
July	46.0	-0.2 (-0.5%)	-0.3 (-0.6%)	-0.3 (-0.7%)	-0.2 (-0.5%)	-0.2 (-0.5%)	46.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.1%)	-0.2 (-0.4%)
August	69.1	0.0 (0.0%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.1 (0.1%)	0.1 (0.1%)	69.6	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.3%)	-0.2 (-0.2%)	0.1 (0.1%)
September	81.3	0.7 (0.8%)	0.5 (0.6%)	0.6 (0.8%)	0.6 (0.8%)	0.6 (0.8%)	81.6	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.3 (-0.3%)	-0.2 (-0.3%)	0.6 (0.8%)

Source: DSM2 Version 8.0.6 (Node EMPTRACT_SL)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 43: Monthly Average Simulated Chloride in San Joaquin River at Antioch Water Works Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	1,171.2	-0.5 (0.0%)	-0.5 (0.0%)	-0.6 (0.0%)	-0.4 (0.0%)	-0.5 (0.0%)	1,175.5	-0.2 (0.0%)	-0.3 (0.0%)	-0.2 (0.0%)	-0.2 (0.0%)	-0.2 (0.0%)
November	1,031.0	-0.7 (-0.1%)	-1.0 (-0.1%)	-0.9 (-0.1%)	-2.2 (-0.2%)	-0.2 (0.0%)	1,028.7	5.4 (0.5%)	5.4 (0.5%)	5.4 (0.5%)	5.5 (0.5%)	5.5 (0.5%)
December	755.8	0.7 (0.1%)	0.6 (0.1%)	1.3 (0.2%)	0.0 (0.0%)	0.4 (0.1%)	742.0	3.5 (0.5%)	7.5 (1.0%)	7.5 (1.0%)	7.6 (1.0%)	7.5 (1.0%)
January	377.4	0.5 (0.1%)	0.5 (0.1%)	0.9 (0.2%)	0.4 (0.1%)	0.2 (0.0%)	359.8	0.4 (0.1%)	2.1 (0.6%)	2.1 (0.6%)	2.1 (0.6%)	2.1 (0.6%)
February	137.1	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.1%)	0.0 (0.0%)	-0.1 (-0.1%)	130.9	-0.1 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.0%)	0.0 (0.0%)
March	75.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	74.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	83.9	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	84.6	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)
May	143.1	0.4 (0.3%)	0.4 (0.3%)	0.4 (0.3%)	0.4 (0.3%)	0.2 (0.1%)	148.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	323.4	1.0 (0.3%)	1.0 (0.3%)	1.0 (0.3%)	1.0 (0.3%)	1.0 (0.3%)	331.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	608.3	0.5 (0.1%)	0.5 (0.1%)	0.3 (0.0%)	0.5 (0.1%)	1.4 (0.2%)	620.7	0.5 (0.1%)	0.5 (0.1%)	0.4 (0.1%)	0.5 (0.1%)	0.5 (0.1%)
August	1,081.5	2.4 (0.2%)	2.1 (0.2%)	2.5 (0.2%)	2.3 (0.2%)	2.6 (0.2%)	1,097.9	0.5 (0.0%)	0.4 (0.0%)	0.4 (0.0%)	0.2 (0.0%)	0.6 (0.1%)
September	1,112.1	1.7 (0.2%)	1.6 (0.1%)	2.1 (0.2%)	1.8 (0.2%)	1.5 (0.1%)	1,134.0	-0.6 (-0.1%)	-0.7 (-0.1%)	-0.7 (-0.1%)	-0.8 (-0.1%)	-0.6 (-0.1%)

Source: DSM2 Version 8.0.6 (Node RSAN007)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 44: Monthly Average Simulated Chloride in San Joaquin River at Antioch Water Works Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	1,388.3	2.3 (0.2%)	1.5 (0.1%)	2.7 (0.2%)	2.2 (0.2%)	2.2 (0.2%)	1,404.6	-2.1 (-0.1%)	-2.1 (-0.1%)	-2.1 (-0.1%)	-2.1 (-0.1%)	2.2 (0.2%)
November	1,347.6	-4.1 (-0.3%)	-4.3 (-0.3%)	-3.3 (-0.2%)	-5.1 (-0.4%)	-5.1 (-0.4%)	1,369.8	-0.7 (-0.1%)	-0.7 (-0.1%)	-0.8 (-0.1%)	-0.8 (-0.1%)	-5.1 (-0.4%)
December	1,156.8	-0.3 (0.0%)	-0.1 (0.0%)	0.3 (0.0%)	-0.8 (-0.1%)	-0.8 (-0.1%)	1,137.4	-0.3 (0.0%)	10.6 (0.9%)	10.6 (0.9%)	10.7 (0.9%)	-0.8 (-0.1%)
January	718.3	1.0 (0.1%)	1.1 (0.2%)	1.2 (0.2%)	0.9 (0.1%)	0.9 (0.1%)	682.6	-0.7 (-0.1%)	3.8 (0.6%)	3.8 (0.6%)	3.9 (0.6%)	0.9 (0.1%)
February	304.5	0.2 (0.1%)	0.2 (0.1%)	0.3 (0.1%)	0.2 (0.1%)	0.2 (0.1%)	290.5	-0.3 (-0.1%)	0.2 (0.1%)	0.2 (0.1%)	0.2 (0.1%)	0.2 (0.1%)
March	160.8	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	157.4	-0.1 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	181.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	185.0	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.0%)
May	322.9	0.5 (0.2%)	0.5 (0.2%)	0.5 (0.2%)	0.5 (0.2%)	0.5 (0.2%)	339.8	-0.1 (0.0%)	-0.2 (-0.1%)	-0.2 (-0.1%)	-0.3 (-0.1%)	0.5 (0.1%)
June	629.9	0.0 (0.0%)	0.0 (0.0%)	-0.1 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	649.6	-0.2 (0.0%)	-0.3 (0.0%)	-0.3 (0.0%)	-0.3 (0.0%)	0.0 (0.0%)
July	1,092.1	-2.1 (-0.2%)	-2.2 (-0.2%)	-2.6 (-0.2%)	-1.9 (-0.2%)	-1.9 (-0.2%)	1,122.8	-0.2 (0.0%)	-0.2 (0.0%)	-0.2 (0.0%)	-0.3 (0.0%)	-1.9 (-0.2%)
August	1,510.5	2.8 (0.2%)	2.2 (0.1%)	2.9 (0.2%)	2.6 (0.2%)	2.6 (0.2%)	1,532.5	-2.3 (-0.2%)	-2.5 (-0.2%)	-2.5 (-0.2%)	-2.8 (-0.2%)	2.6 (0.2%)
September	1,843.4	5.1 (0.3%)	4.2 (0.2%)	5.5 (0.3%)	4.7 (0.3%)	4.7 (0.3%)	1,884.0	-1.6 (-0.1%)	-1.8 (-0.1%)	-1.8 (-0.1%)	-2.0 (-0.1%)	4.7 (0.3%)

Source: DSM2 Version 8.0.6 (Node RSAN007)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 45: Monthly Average Simulated Chloride in Barker Slough at North Bay Aqueduct Intake for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	18.7	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	18.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	19.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	19.3	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
December	22.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	22.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
January	36.8	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	-0.1 (-0.1%)	35.3	0.0 (0.1%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)
February	58.3	0.1 (0.1%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.1%)	57.9	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)
March	61.2	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.1 (-0.2%)	-0.3 (-0.4%)	-0.2 (-0.3%)	61.5	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.2 (-0.3%)
April	44.4	-0.3 (-0.6%)	-0.3 (-0.6%)	-0.4 (-0.9%)	-0.4 (-0.9%)	-0.4 (-0.8%)	42.6	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)
May	28.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	26.4	0.1 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)	0.0 (0.2%)
June	20.3	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	19.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	18.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	18.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	18.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	17.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	18.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	17.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node SLBAR002)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 46: Monthly Average Simulated Chloride in Barker Slough at North Bay Aqueduct Intake During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	19.0	0.0 (0.1%)	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	18.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
November	19.7	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	19.4	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (0.1%)
December	21.0	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	20.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
January	27.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	27.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
February	36.4	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.3%)	-0.1 (-0.2%)	-0.1 (-0.2%)	36.5	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	-0.1 (-0.2%)
March	40.2	0.1 (0.1%)	0.1 (0.2%)	0.0 (0.0%)	0.1 (0.2%)	0.1 (0.2%)	41.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.1 (0.1%)
April	33.1	0.1 (0.2%)	0.1 (0.2%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	34.7	0.2 (0.7%)	0.3 (0.8%)	0.3 (0.8%)	0.3 (0.8%)	0.0 (0.1%)
May	25.5	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.2%)	0.0 (0.0%)	0.0 (0.0%)	26.4	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	20.9	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (-0.1%)	0.0 (-0.1%)	20.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (-0.1%)
July	19.0	0.0 (-0.1%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	18.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	18.1	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	17.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	18.1	0.0 (-0.1%)	0.0 (0.0%)	0.0 (-0.1%)	0.0 (0.0%)	0.0 (0.0%)	18.0	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node SLBAR002)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 47: Monthly Average Simulated Chloride in Middle River at Victoria Canal for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	77.1	0.1 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	-0.1 (-0.1%)	75.6	-0.1 (-0.1%)	-0.1 (-0.2%)	-0.1 (-0.2%)	-0.1 (-0.1%)	-0.1 (-0.2%)
November	79.5	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.0 (0.0%)	-0.1 (-0.2%)	75.7	-0.3 (-0.4%)	-0.3 (-0.4%)	-0.3 (-0.4%)	-0.3 (-0.4%)	-0.3 (-0.5%)
December	84.3	0.2 (0.3%)	0.2 (0.2%)	0.3 (0.3%)	0.2 (0.2%)	0.2 (0.3%)	82.0	0.4 (0.5%)	0.6 (0.7%)	0.6 (0.7%)	0.5 (0.6%)	0.6 (0.7%)
January	114.1	1.1 (1.0%)	1.1 (1.0%)	1.2 (1.1%)	1.1 (0.9%)	0.8 (0.7%)	110.0	0.9 (0.8%)	1.3 (1.2%)	1.3 (1.2%)	1.2 (1.1%)	1.5 (1.3%)
February	107.9	1.7 (1.5%)	1.6 (1.5%)	1.7 (1.5%)	1.5 (1.4%)	1.7 (1.5%)	100.0	1.1 (1.1%)	1.2 (1.2%)	1.2 (1.2%)	1.2 (1.2%)	1.2 (1.2%)
March	92.1	1.5 (1.6%)	1.4 (1.6%)	1.4 (1.5%)	1.3 (1.5%)	1.4 (1.5%)	83.6	1.0 (1.2%)	1.1 (1.3%)	1.0 (1.2%)	1.0 (1.2%)	1.1 (1.3%)
April	79.1	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	0.7 (0.9%)	67.7	0.5 (0.7%)	0.5 (0.7%)	0.5 (0.7%)	0.4 (0.7%)	0.5 (0.7%)
May	72.2	0.6 (0.9%)	0.6 (0.9%)	0.6 (0.9%)	0.6 (0.8%)	0.6 (0.9%)	62.9	0.2 (0.4%)	0.3 (0.4%)	0.2 (0.4%)	0.3 (0.4%)	0.3 (0.4%)
June	60.2	0.8 (1.3%)	0.8 (1.3%)	0.8 (1.3%)	0.8 (1.3%)	0.8 (1.4%)	54.9	0.3 (0.5%)	0.3 (0.6%)	0.3 (0.5%)	0.3 (0.6%)	0.3 (0.6%)
July	42.6	0.5 (1.1%)	0.4 (1.0%)	0.5 (1.1%)	0.4 (1.0%)	0.5 (1.1%)	41.4	0.2 (0.6%)	0.2 (0.6%)	0.2 (0.5%)	0.2 (0.6%)	0.3 (0.8%)
August	51.8	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.1 (0.1%)	51.4	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.1%)	0.1 (0.1%)	0.1 (0.1%)
September	71.7	0.2 (0.3%)	0.1 (0.2%)	0.2 (0.3%)	0.2 (0.2%)	0.0 (0.0%)	71.2	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)

Source: DSM2 Version 8.0.6 (Node CHVCT000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 48: Monthly Average Simulated Chloride in Middle River at Victoria Canal During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
October	84.3	0.2 (0.2%)	0.1 (0.1%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	82.0	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.1 (-0.2%)	0.2 (0.2%)
November	87.3	0.3 (0.3%)	0.2 (0.3%)	0.3 (0.3%)	0.3 (0.4%)	0.3 (0.4%)	84.6	-0.2 (-0.2%)	-0.1 (-0.2%)	-0.2 (-0.2%)	-0.1 (-0.2%)	0.3 (0.4%)
December	96.3	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.2 (-0.2%)	-0.3 (-0.3%)	-0.3 (-0.3%)	94.6	-0.1 (-0.1%)	0.3 (0.3%)	0.3 (0.3%)	0.3 (0.3%)	-0.3 (-0.3%)
January	130.3	0.5 (0.4%)	0.5 (0.4%)	0.6 (0.4%)	0.4 (0.3%)	0.4 (0.3%)	125.3	0.0 (0.0%)	1.1 (0.9%)	1.1 (0.9%)	1.1 (0.8%)	0.4 (0.3%)
February	127.3	0.3 (0.2%)	0.3 (0.2%)	0.3 (0.3%)	0.3 (0.2%)	0.3 (0.2%)	116.9	0.0 (0.0%)	0.3 (0.3%)	0.3 (0.2%)	0.3 (0.3%)	0.3 (0.3%)
March	121.6	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	111.7	0.0 (0.0%)	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.1%)	0.2 (0.2%)
April	113.0	0.2 (0.2%)	0.3 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	103.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.2 (0.2%)
May	98.2	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	89.7	0.1 (0.1%)	0.2 (0.2%)	0.2 (0.2%)	0.2 (0.2%)	0.1 (0.1%)
June	73.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	68.2	0.0 (0.0%)	0.1 (0.2%)	0.1 (0.1%)	0.1 (0.2%)	0.0 (0.0%)
July	53.9	0.3 (0.5%)	0.2 (0.4%)	0.3 (0.6%)	0.3 (0.5%)	0.3 (0.5%)	53.2	0.0 (0.0%)	0.1 (0.1%)	0.0 (0.0%)	0.1 (0.2%)	0.3 (0.5%)
August	78.4	-0.1 (-0.2%)	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.1 (-0.1%)	-0.1 (-0.1%)	79.2	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	-0.1 (-0.1%)
September	92.2	0.5 (0.5%)	0.4 (0.4%)	0.5 (0.5%)	0.5 (0.5%)	0.5 (0.5%)	92.3	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	-0.3 (-0.3%)	0.5 (0.5%)

Source: DSM2 Version 8.0.6 (Node CHVCT000)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 49: Monthly Average Simulated X2 Position for All Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	km	km	km	km	km	km	km	km	km	km	km	km
October	83.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	83.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	82.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	82.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	76.2	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	76.0	0.0 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)
January	67.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	67.4	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)	0.0 (0.1%)
February	61.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.0%)	60.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	60.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	60.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	63.5	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	0.0 (0.0%)	0.0 (0.1%)	63.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	67.5	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	67.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	74.5	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	74.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.1%)
July	80.5	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	80.5	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.1%)	0.1 (0.1%)
August	85.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	85.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	83.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	83.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node X2)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 50: Monthly Average Simulated X2 Position During Dry and Critical Years

Month	Existing Level (2005)						Future Level (2030)					
	Existing Conditions	Change from Existing Conditions					No-Action Alternative	Change from No-Action Alternative				
		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5		Alternative Plan1	Alternative Plan2	Alternative Plan3	Alternative Plan4	Alternative Plan5
	km	km	km	km	km	km	km	km	km	km	km	km
October	86.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	86.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
November	86.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	86.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
December	84.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	84.7	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.0%)
January	79.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	79.5	0.0 (0.0%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.1%)	0.0 (0.0%)
February	72.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	72.5	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
March	70.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	70.4	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
April	72.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	72.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
May	77.7	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	77.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
June	82.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	82.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
July	86.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	86.1	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
August	88.8	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	88.6	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)
September	90.9	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	91.0	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node X2)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.
Key:
mg/L= Milligram Per Liter
mS/cm= MilliSiemens/cm
km=kilometer

Table 51: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Collinsville Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 52: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Emmaton Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	1	0.0 (0.0%)	1	0.0 (0.0%)	2	0.0 (0.0%)	2	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jun	26	0.0 (0.0%)	17	0.0 (0.0%)	26	0.0 (0.0%)	18	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	68	-1.0 (-1.5%)	25	-1.0 (-4.0%)	71	0.0 (0.0%)	27	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC092)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 53: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Jersey Point Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	10	0.0 (0.0%)	8	0.0 (0.0%)	12	0.0 (0.0%)	10	0.0 (0.0%)
Jul	48	0.0 (0.0%)	21	-1.0 (-4.8%)	50	1.0 (2.0%)	21	0.0 (0.0%)
Aug	73	1.0 (1.4%)	25	1.0 (4.0%)	75	0.0 (0.0%)	26	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 54: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Brandt Bridge Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 55: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Vernalis Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 56: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River near Tracy Road Bridge Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	7	0.0 (0.0%)	7	0.0 (0.0%)	5	0.0 (0.0%)	5	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	4	0.0 (0.0%)	4	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 57: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River at Middle River Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID041)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 58: Simulated Number of Months of Exceedence of the Salinity Standard for the Delta Mendota Canal at Tracy Pumping Plant Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC006)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 59: Simulated Number of Months of Exceedence of the Salinity Standard for the West Canal at mouth of Clifton Court Forebay Intake Under Alternative Plan1

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of months)	Alternative Plan1 Change (Number of months (%))	Existing Condition (Number of months)	Alternative Plan1 Change (Number of months (%))	No Action Alternative (Number of months)	Alternative Plan1 Change (Number of months (%))	No Action Alternative (Number of months)	Alternative Plan1 Change (Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	2	-1.0 (-50.0%)	2	-1.0 (-50.0%)
Dec	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHSWP003)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 60: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Collinsville Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 61: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Emmaton Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	1	0.0 (0.0%)	1	0.0 (0.0%)	2	0.0 (0.0%)	2	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jun	26	0.0 (0.0%)	17	0.0 (0.0%)	26	0.0 (0.0%)	18	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	68	-1.0 (-1.5%)	25	-1.0 (-4.0%)	71	0.0 (0.0%)	27	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC092)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 62: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Jersey Point Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	10	0.0 (0.0%)	8	0.0 (0.0%)	12	0.0 (0.0%)	10	0.0 (0.0%)
Jul	48	0.0 (0.0%)	21	-1.0 (-4.8%)	50	1.0 (2.0%)	21	0.0 (0.0%)
Aug	73	1.0 (1.4%)	25	1.0 (4.0%)	75	0.0 (0.0%)	26	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 63: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Brandt Bridge Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 64: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Vernalis Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 65: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River near Tracy Road Bridge Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	7	0.0 (0.0%)	7	0.0 (0.0%)	5	0.0 (0.0%)	5	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	4	0.0 (0.0%)	4	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 66: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River at Middle River Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID041)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 67: Simulated Number of Months of Exceedence of the Salinity Standard for the Delta Mendota Canal at Tracy Pumping Plant Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 68: Simulated Number of Months of Exceedence of the Salinity Standard for the West Canal at mouth of Clifton Court Forebay Intake Under Alternative Plan2

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	2	-1.0 (-50.0%)	2	-1.0 (-50.0%)
Dec	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHSWP003)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 69: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Collinsville Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 70: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Emmaton Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	1	0.0 (0.0%)	1	0.0 (0.0%)	2	0.0 (0.0%)	2	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jun	26	0.0 (0.0%)	17	0.0 (0.0%)	26	0.0 (0.0%)	18	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	68	-1.0 (-1.5%)	25	-1.0 (-4.0%)	71	0.0 (0.0%)	27	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC092)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 71: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Jersey Point Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	10	0.0 (0.0%)	8	0.0 (0.0%)	12	0.0 (0.0%)	10	0.0 (0.0%)
Jul	48	0.0 (0.0%)	21	-1.0 (-4.8%)	50	1.0 (2.0%)	21	0.0 (0.0%)
Aug	73	1.0 (1.4%)	25	1.0 (4.0%)	75	0.0 (0.0%)	26	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 72: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Brandt Bridge Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 73: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Vernalis Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 74: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River near Tracy Road Bridge Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	7	0.0 (0.0%)	7	0.0 (0.0%)	5	0.0 (0.0%)	5	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	4	0.0 (0.0%)	4	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 75: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River at Middle River Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID041)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 76: Simulated Number of Months of Exceedence of the Salinity Standard for the Delta Mendota Canal at Tracy Pumping Plant Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC006)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 77: Simulated Number of Months of Exceedence of the Salinity Standard for the West Canal at mouth of Clifton Court Forebay Intake Under Alternative Plan3

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	2	-1.0 (-50.0%)	2	-1.0 (-50.0%)
Dec	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHSWP003)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 78: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Collinsville Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 79: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Emmaton Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	1	0.0 (0.0%)	1	0.0 (0.0%)	2	0.0 (0.0%)	2	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jun	26	0.0 (0.0%)	17	0.0 (0.0%)	26	0.0 (0.0%)	18	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	68	-1.0 (-1.5%)	25	-1.0 (-4.0%)	71	0.0 (0.0%)	27	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC092)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 80: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Jersey Point Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	10	0.0 (0.0%)	8	0.0 (0.0%)	12	0.0 (0.0%)	10	0.0 (0.0%)
Jul	48	0.0 (0.0%)	21	-1.0 (-4.8%)	50	1.0 (2.0%)	21	0.0 (0.0%)
Aug	73	1.0 (1.4%)	25	1.0 (4.0%)	75	0.0 (0.0%)	26	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 81: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Brandt Bridge Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 82: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Vernalis Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 83: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River near Tracy Road Bridge Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	7	0.0 (0.0%)	7	0.0 (0.0%)	5	0.0 (0.0%)	5	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	4	0.0 (0.0%)	4	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 84: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River at Middle River Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID041)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 85: Simulated Number of Months of Exceedence of the Salinity Standard for the Delta Mendota Canal at Tracy Pumping Plant Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC006)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 86: Simulated Number of Months of Exceedence of the Salinity Standard for the West Canal at mouth of Clifton Court Forebay Intake Under Alternative Plan4

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	2	-1.0 (-50.0%)	2	-1.0 (-50.0%)
Dec	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHSWP003)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 87: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Collinsville Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC081)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 88: Simulated Number of Months of Exceedence of the Salinity Standard for the Sacramento River at Emmaton Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	1	0.0 (0.0%)	1	0.0 (0.0%)	2	0.0 (0.0%)	2	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jun	26	0.0 (0.0%)	17	0.0 (0.0%)	26	0.0 (0.0%)	18	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	68	-1.0 (-1.5%)	25	-1.0 (-4.0%)	71	0.0 (0.0%)	27	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAC092)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 89: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Jersey Point Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	10	0.0 (0.0%)	8	0.0 (0.0%)	12	0.0 (0.0%)	10	0.0 (0.0%)
Jul	48	0.0 (0.0%)	21	-1.0 (-4.8%)	50	1.0 (2.0%)	21	0.0 (0.0%)
Aug	73	1.0 (1.4%)	25	1.0 (4.0%)	75	0.0 (0.0%)	26	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN018)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 90: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Brandt Bridge Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN072)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 91: Simulated Number of Months of Exceedence of the Salinity Standard for the San Joaquin River at Vernalis Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RSAN112)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 92: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River near Tracy Road Bridge Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	7	0.0 (0.0%)	7	0.0 (0.0%)	5	0.0 (0.0%)	5	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	3	0.0 (0.0%)	3	0.0 (0.0%)	4	0.0 (0.0%)	4	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node ROLD059)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 93: Simulated Number of Months of Exceedence of the Salinity Standard for the Old River at Middle River Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
May	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Aug	2	0.0 (0.0%)	2	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node RMID041)
Note:
Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.
Dry and critical years as defined by the Sacramento Valley Index.

Table 94: Simulated Number of Months of Exceedence of the Salinity Standard for the Delta Mendota Canal at Tracy Pumping Plant Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Dec	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHDMC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 95: Simulated Number of Months of Exceedence of the Salinity Standard for the West Canal at mouth of Clifton Court Forebay Intake Under Alternative Plan5

	Existing Level (2005)				Future Level (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))	(Number of months)	(Number of months (%))
Oct	0	0.0 (0.0%)	0	0.0 (0.0%)	1	0.0 (0.0%)	0	0.0 (0.0%)
Nov	0	0.0 (0.0%)	0	0.0 (0.0%)	2	-1.0 (-50.0%)	2	-1.0 (-50.0%)
Dec	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Jan	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)	1	0.0 (0.0%)
Feb	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Mar	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Apr	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
May	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jun	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Jul	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Aug	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)
Sep	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)	0	0.0 (0.0%)

Source: DSM2 Version 8.0.6 (Node CHSWP003)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No-Action Alternative.

Dry and critical years as defined by the Sacramento Valley Index.

Table 96: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Contra Costa Canal Pumping Plant No. 1 Under Alternative Plan1

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan1 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan1 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan1 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan1 Change (Number of days (%))
Oct	16	0 (0%)	7	0 (0%)	17	0 (0%)	7	0 (0%)
Nov	16	0 (0%)	7	0 (0%)	16	0 (0%)	7	0 (0%)
Dec	14	0 (0%)	7	0 (0%)	15	0 (0%)	7	0 (0%)
Jan	11	0 (0%)	6	0 (0%)	14	0 (0%)	7	0 (0%)
Feb	3	0 (0%)	2	0 (0%)	6	0 (0%)	2	0 (0%)
Mar	2	0 (0%)	0	0 (0%)	4	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	1	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	2	0 (0%)	2	0 (0%)	2	0 (0%)	2	0 (0%)
Aug	8	0 (0%)	8	0 (0%)	9	0 (0%)	9	0 (0%)
Sep	16	0 (0%)	10	0 (0%)	17	0 (0%)	10	0 (0%)
Total	87	0 (0%)	49	0 (0%)	101	0 (0%)	52	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 97: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Delta-Mendota Canal at the Jones Pumping Plant Under Alternative Plan1

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 98: Simulated Number of Days by Month of Exceedence of the Chloride Standard for West Canal at the Clifton Court Forebay Under Alternative Plan1

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan1 Change	Existing Condition	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change	No Action Alternative	Alternative Plan1 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	1	0 (0%)	0	0 (0%)	1	0 (0%)	1	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.

Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 99: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Contra Costa Canal Pumping Plant No. 1 Under Alternative Plan2

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	16	0 (0%)	7	0 (0%)	17	0 (0%)	7	0 (0%)
Nov	16	0 (0%)	7	0 (0%)	16	0 (0%)	7	0 (0%)
Dec	14	0 (0%)	7	0 (0%)	15	0 (0%)	7	0 (0%)
Jan	11	0 (0%)	6	0 (0%)	14	0 (0%)	7	0 (0%)
Feb	3	0 (0%)	2	0 (0%)	6	0 (0%)	2	0 (0%)
Mar	2	0 (0%)	0	0 (0%)	4	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	1	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	2	0 (0%)	2	0 (0%)	2	0 (0%)	2	0 (0%)
Aug	8	0 (0%)	8	0 (0%)	9	0 (0%)	9	0 (0%)
Sep	16	0 (0%)	10	0 (0%)	17	0 (0%)	10	0 (0%)
Total	87	0 (0%)	49	0 (0%)	101	0 (0%)	52	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 100: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Delta-Mendota Canal at the Jones Pumping Plant Under Alternative Plan2

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 101: Simulated Number of Days by Month of Exceedence of the Chloride Standard for West Canal at the Clifton Court Forebay Under Alternative Plan2

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan2 Change	Existing Condition	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change	No Action Alternative	Alternative Plan2 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	1	0 (0%)	0	0 (0%)	1	0 (0%)	1	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.

Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 102: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Contra Costa Canal Pumping Plant No. 1 Under Alternative Plan3

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan3 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan3 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan3 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan3 Change (Number of days (%))
Oct	16	0 (0%)	7	0 (0%)	17	0 (0%)	7	0 (0%)
Nov	16	0 (0%)	7	0 (0%)	16	0 (0%)	7	0 (0%)
Dec	14	0 (0%)	7	0 (0%)	15	0 (0%)	7	0 (0%)
Jan	11	0 (0%)	6	0 (0%)	14	0 (0%)	7	0 (0%)
Feb	3	0 (0%)	2	0 (0%)	6	0 (0%)	2	0 (0%)
Mar	2	0 (0%)	0	0 (0%)	4	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	1	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	2	0 (0%)	2	0 (0%)	2	0 (0%)	2	0 (0%)
Aug	8	0 (0%)	8	0 (0%)	9	0 (0%)	9	0 (0%)
Sep	16	0 (0%)	10	0 (0%)	17	0 (0%)	10	0 (0%)
Total	87	0 (0%)	49	0 (0%)	101	0 (0%)	52	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 103: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Delta-Mendota Canal at the Jones Pumping Plant Under Alternative Plan3

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan3 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan3 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan3 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan3 Change (Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 104: Simulated Number of Days by Month of Exceedence of the Chloride Standard for West Canal at the Clifton Court Forebay Under Alternative Plan3

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan3 Change	Existing Condition	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change	No Action Alternative	Alternative Plan3 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	1	0 (0%)	0	0 (0%)	1	0 (0%)	1	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.

Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 105: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Contra Costa Canal Pumping Plant No. 1 Under Alternative Plan4

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan4 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan4 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan4 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan4 Change (Number of days (%))
Oct	16	0 (0%)	7	0 (0%)	17	0 (0%)	7	0 (0%)
Nov	16	0 (0%)	7	0 (0%)	16	0 (0%)	7	0 (0%)
Dec	14	0 (0%)	7	0 (0%)	15	0 (0%)	7	0 (0%)
Jan	11	0 (0%)	6	0 (0%)	14	0 (0%)	7	0 (0%)
Feb	3	0 (0%)	2	0 (0%)	6	0 (0%)	2	0 (0%)
Mar	2	0 (0%)	0	0 (0%)	4	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	1	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	2	0 (0%)	2	0 (0%)	2	0 (0%)	2	0 (0%)
Aug	8	0 (0%)	8	0 (0%)	9	0 (0%)	9	0 (0%)
Sep	16	0 (0%)	10	0 (0%)	17	0 (0%)	10	0 (0%)
Total	87	0 (0%)	49	0 (0%)	101	0 (0%)	52	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 106: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Delta-Mendota Canal at the Jones Pumping Plant Under Alternative Plan4

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 107: Simulated Number of Days by Month of Exceedence of the Chloride Standard for West Canal at the Clifton Court Forebay Under Alternative Plan4

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan4 Change	Existing Condition	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change	No Action Alternative	Alternative Plan4 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	1	0 (0%)	0	0 (0%)	1	0 (0%)	1	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.

Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 108: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Contra Costa Canal Pumping Plant No. 1 Under Alternative Plan5

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan5 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan5 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan5 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan5 Change (Number of days (%))
Oct	16	0 (0%)	7	0 (0%)	17	0 (0%)	7	0 (0%)
Nov	16	0 (0%)	7	0 (0%)	16	0 (0%)	7	0 (0%)
Dec	14	0 (0%)	7	0 (0%)	15	0 (0%)	7	0 (0%)
Jan	11	0 (0%)	6	0 (0%)	14	0 (0%)	7	0 (0%)
Feb	3	0 (0%)	2	0 (0%)	6	0 (0%)	2	0 (0%)
Mar	2	0 (0%)	0	0 (0%)	4	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	1	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	2	0 (0%)	2	0 (0%)	2	0 (0%)	2	0 (0%)
Aug	8	0 (0%)	8	0 (0%)	9	0 (0%)	9	0 (0%)
Sep	16	0 (0%)	10	0 (0%)	17	0 (0%)	10	0 (0%)
Total	87	0 (0%)	49	0 (0%)	101	0 (0%)	52	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHCCC006)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 109: Simulated Number of Days by Month of Exceedence of the Chloride Standard for Delta-Mendota Canal at the Jones Pumping Plant Under Alternative Plan5

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
	Existing Condition	Alternative Plan5 Change	Existing Condition	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change	No Action Alternative	Alternative Plan5 Change
Month	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))	(Number of days)	(Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHDMC004)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index. Percentage values reported in parenthesis are reported as zero if the change is less than one day.

Table 110: Simulated Number of Days by Month of Exceedence of the Chloride Standard for West Canal at the Clifton Court Forebay Under Alternative Plan5

	Existing Condition (2005)				Future Condition (2030)			
	Total All Years		Dry and Critical Years		Total All Years		Dry and Critical Years	
Month	Existing Condition (Number of days)	Alternative Plan5 Change (Number of days (%))	Existing Condition (Number of days)	Alternative Plan5 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan5 Change (Number of days (%))	No Action Alternative (Number of days)	Alternative Plan5 Change (Number of days (%))
Oct	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Nov	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Dec	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jan	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Feb	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Mar	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Apr	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
May	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jun	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Jul	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Aug	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Sep	0	0 (0%)	0	0 (0%)	0	0 (0%)	0	0 (0%)
Total	1	0 (0%)	0	0 (0%)	1	0 (0%)	1	0 (0%)

Source: DSM2 Version 8.0.6 (Node CHWST000)

Note:

Simulation period: 1922–2003. Change as measured from Existing Condition/No Action Alternative. Dry and critical years as defined by the Sacramento Valley Index.

Percentage values reported in parenthesis are reported as zero if the change is less than one day.