

Appendix C

Delta Conditions Assessment

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Appendix C

Delta Conditions Assessment

C.1 Background

Hydrologic conditions, climatic variability, and regulatory requirements for operation of water projects commonly affect water supply availability in California. This variability strains water supplies, making advance planning for water shortages necessary and routine. In the past decades, water transfers have become a common tool in water resource planning to supplement available water supplies to serve existing demands.

The United States Department of the Interior, Bureau of Reclamation (Reclamation) manages the Central Valley Project (CVP), which includes storage in reservoirs (such as Shasta, Folsom, and Trinity reservoirs) and diversion pumps in the Sacramento-San Joaquin Delta (Delta) to deliver water to users in the San Joaquin Valley and San Francisco Bay area. When these users experience water shortages, they may look to water transfers to help reduce potential impacts of those shortages.

A water transfer involves an agreement between a willing seller and a willing buyer. To make water available for transfer and conveyance to the Buyer Service Area for beneficial use, the willing seller must take an action to reduce the consumptive use of water or reduce reservoir storage. Water transfers would only be used to help meet existing demands and would not serve any new demands in the Buyer Service Area.

Reclamation and the San Luis & Delta-Mendota Water Authority (SLDMWA) are completing a joint Environmental Impact Statement/Environmental Impact Report (EIS/EIR), in compliance with the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), for water transfers from 2015 through 2024. Reclamation is serving as the Lead Agency under NEPA and SLDMWA is the Lead Agency under CEQA. Reclamation would facilitate transfers proposed by buyers and sellers. The SLDMWA, consisting of federal and exchange water service contractors in western San Joaquin Valley, San Benito, and Santa Clara counties, helps negotiate transfers in years when the member agencies could experience shortages.

This EIS/EIR evaluates water transfers that originate from entities located upstream of the Delta. Purchasing agencies are in areas south of the Delta or in the San Francisco Bay Area. Water transfers are subject to federal and state law.

This EIS/EIR analyzes transfers to CVP contractors, using CVP or SWP facilities to deliver these transfers.

C.2 Purpose of Delta Conditions Analysis

An analysis of Delta conditions is necessary to assist in evaluation of potential environmental impacts associated with Long-Term Water Transfers within the Delta. Water transfers have the potential to affect both the natural system and operation of the CVP and State Water Project (SWP). The purpose of this analysis is to simulate the hydrodynamics and water quality within the Delta when transfer water is made available by various sellers to determine how and where within the Delta the effects are likely to occur under the alternatives. Output from the Delta conditions analysis for parameters such as water level (stage), water quality, and environmental flows under D-1641 and the biological opinions (BOs) provides a basis for environmental assessment.

C.3 Analytical Approach

The Delta Conditions analysis is performed with the Delta Simulation Model 2 (DSM2). DSM2 setup relies on the output of three additional tools for this Project: CalSim II, the Transfer Operations Model (TOM), and the Delta Island Consumptive Use model (DICU model). CalSim II outputs simulating California's water delivery system to the Delta are used to supply inflow and export boundary conditions to DSM2. Within DSM2, agricultural influences and the effect of meteorological conditions are modeled by boundary conditions supplied by the DICU, model. DSM2 boundary conditions affected by the assumptions under the alternatives are supplied by TOM.

DSM2 model results of a baseline (Base) alternative, the No Action/No Project Alternative without proposed water transfers, as developed in CALSIM II, are compared to model results with proposed water transfers under each alternative supplied by TOM to determine the extent and significance of any differences resulting from the transfers.

A distinction needs to be made between the uses of models for *absolute* versus *comparative* analyses. In an *absolute analysis*, the model is run once to predict an outcome – for example, the outcome could be the concentration of EC at one of the Delta water intakes. In a *comparative analysis*, the model is run twice, once with conditions representing a baseline and another run with an alternative representing some specific changes to Delta operations and/or bathymetry in order to assess the change in modeled outcome due to the given change in model configuration. The assumption is that while the model might not produce results reflecting these changes with absolute certainty, it does produce a reasonably reliable estimate of the relative change in outcome.

For the long-term water transfers analysis, as is customary in most projects using CalSim II planning models combined with DSM2, the analysis is a comparative analysis approach¹. The Base alternative represents a condition that approximates an operational and regulatory framework that is assumed to determine the hydrodynamics and water quality in the Delta at an Existing Condition time frame. DSM2 was used to determine changes from due to the Alternatives in: EC patterns in the Delta; water level changes in the south Delta; changes in X2, the location of the 2 ppt salinity isohaline; and, changes in the magnitude of the combined flow in Old and Middle Rivers (OMR flow).

C.4 Model Descriptions

Models used in the Delta conditions analysis are described briefly in the following sections – DSM2, CALSIM II, the TOM and the DICU model. Appendix B supplies detail on the assumptions and logic used in CalSim II and TOM. For these studies, the modeled time frame is restricted to water years 1970 – 2003.

C.4.1 DSM2

DSM2 is a one-dimensional (1-D) hydrodynamic and water quality simulation model used to represent conditions in the Sacramento-San Joaquin Delta. The model was developed by the Delta Modeling Section (DMS) of the Department of Water Resources (DWR) and is used to model impacts associated with projects in the Delta. DSM2 has been used extensively to model hydrodynamics and salinity in the Delta, as well as Dissolved Organic Carbon (DOC). Salinity is modeled as electrical conductivity (EC), which is assumed to behave as a conservative constituent. DOC was not modeled in the current study.

DSM2 contains three separate modules, a hydrodynamic module (HYDRO), a water quality module (QUAL), and a particle tracking module (PTM). QUAL uses the hydrodynamics simulated in HYDRO as the basis for its transport calculations. PTM was not used in the current study. Detailed descriptions of the mathematical formulation implemented in the hydrodynamic module, DSM2-HYDRO and for EC in the water quality module, DSM2-QUAL, the data required for simulation, and the calibration of HYDRO and QUAL are documented in a series of reports available at:

<http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/annualreports.cfm> .

The calibration of DSM2 has primarily focused on hydrodynamics and the conservative transport of salinity (EC). The DSM2 network used for the HYDRO hydrodynamic and QUAL water quality simulations in this study was updated in 2009 (Chilmakuri, 2009), The version of the model (V 8.1.2) used in

¹ 2003, <http://sacramentoriverportal.org/modeling/CALSIM-Review.pdf>

this study implements the NAVD88 datum in the formulation of the grid and the development of boundary conditions, a change from previous versions of the model.

C.4.2 DICU

The Delta Island Consumptive Use Model, or DICU² model, was developed by the Planning Division of DWR to estimate agricultural diversions and return flows to Delta channels. The DICU model is used in DSM2 to estimate historical agricultural flows and to estimate project planning model agricultural volumes and the salinity of return flows. These volumes and the associated concentration of water quality parameters are assigned to numerous DSM2 nodes. In this report, the term “DICU” is used to refer both to the conceptual model and to the associated computer program.

The values calculated for consumptive use in the conceptual model include the following parameters:

- Evapotranspiration – includes climatic conditions, soil type and plant type and associated acreage
- Precipitation – spatially distributed using Delta weather station values
- Surface runoff
- Soil moisture
- Irrigation – water diverted from channels, estimated by season
- Seepage – water used by plants flows from channels to Delta islands
- Drainage – return flows from irrigation and leaching to channels from Delta islands
- Leach water – heavy applications of water in winter months used to leach salts from soils.

The DICU model as a whole is most sensitive to changes in irrigation efficiency (a constant factor applied to irrigation withdrawals) and to leaching water estimates. Calculations for water diversions and returns are most sensitive to changes in efficiency of irrigation and in evapotranspiration. Changes in seepage values can cause changes in irrigation demands and in return flows, although they only have a small impact on return flows. Studies have indicated that DICU seepage estimates are probably low.

² <http://modeling.water.ca.gov/delta/reports/misc/EstDICU.pdf>

The DICU model provides time series of values that are applied as boundary conditions on a monthly average basis^{3, 4} (DWR, 1995a; DWR 2002) in DSM2 at 257⁵ locations throughout the Delta – these locations are subdivided into 142 regions. There are three components to DICU flows – diversion, drainage and seepage. The total monthly diversions incorporate agricultural use, evaporation and precipitation, drains incorporate agricultural returns, and seeps incorporate channel depletions. These flows are distributed as boundary conditions that vary by region and by Water Year Type. Acreages for land use categories and crop type are varied by two categories of water year type, critical and non-critical. The critical years in the DICU model include the D-1485 (same as D-1641) water year classification types of Critical and Dry; non-critical years include the remaining Water Year classification types.

The concentration of EC in agricultural return flows, the Drain flows in DSM2, are also applied on a monthly average basis using the same monthly averages in every year regardless of water year type. The estimation of water quality concentrations in return flows in the DICU model is documented in DWR publications available online⁶.

C.4.3 CALSIM II

CalSim is a model that was developed by the California Department of Water Resources to simulate California State Water Project (SWP) and Central Valley Project (CVP) operations in planning studies. CalSim II is the latest version of CalSim available for general use. It represents the Central Valley with a node and link structure to simulate natural and managed flows in rivers and canals. It generates monthly flows showing the effect of land use, potential climate change, and water operations on flows throughout the Central Valley.

CalSim II is a simulation by optimization model which simulates operations by solving a mixed-integer linear program to maximize an objective function for each month of the simulation. CalSim II simulates the operation of the CVP and SWP systems for defined physical conditions and a set of regulatory requirements. The model simulates these conditions using up to 82 years of historical hydrology from Water Year (WY) 1922 through WY 2003.

The system objectives and constraints are specified as input to the model, and CalSim II then utilizes optimization techniques to route water through a network representing the California water system given user-defined priority weights. A linear programming (LP)/mixed integer linear programming (MILP) solver determines an optimal set of decisions for each time period given this set

³ <http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/models/dicu/dicu.cfm>

⁴ http://www.iep.ca.gov/dsm2pwt/reports/DSM2FinalReport_v07-19-02.pdf,
http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/models/dicu/DICU_Dec2000.pdf

⁵ note that Byron-Bethany irrigation district is included as a DICU flow in Clifton Court Forebay, so there are actually 258 DICU nodes

⁶ http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/models/dicu/DICU_Dec2000.pdf

of weights and system constraints. The CalSim II model has been designed to separate the physical and operational criteria from the actual process of determining the allocations of water to competing interests. Thus, CalSim II provides quantitative hydrologic-based information to those responsible for planning, managing and operating the SWP and CVP. As the official model of those projects, CalSim II is the default system model for the analysis of water in the Central Valley of California.⁷

C.4.4 Transfer Operations Model (TOM)

TOM was developed to analyze effects of Long-Term Water Transfers on the CVP, SWP, major rivers, and the Delta by tracking: the water made available from various sellers as it moves through the system; the effects on CVP and SWP operations; and, the diversion of transfer water by buyers. TOM simulates operations on a monthly time-step for the same 34-year period as CalSim II, and its output is used to supply a subset of the boundary conditions used in DSM2 to model the Alternatives. (See Appendix B for more details.)

In real-time operations, tracking transfer water requires an increased level of coordination between CVP and SWP operators as it affects accounting under the Coordinated Operation Agreement (COA) between the CVP and SWP, and can require COA accounting adjustments. Transfer water can change the timing of when CVP and SWP Project water is moved. A portion of transfer water is typically used as carriage water to maintain Delta water quality when transfer water is moved through the Delta. This requires initial estimates for carriage water that must later be verified and adjusted. TOM was developed in consultation with Reclamation and with an understanding of both actual operations and CalSim II model assumptions. Rules used in TOM to simulate operational responses to water transfers and changes in stream-aquifer interaction were reviewed with CVP operations staff.

C.4.5 Level of Development

The Long-Term Water Transfers EIS/EIR is intended to provide environmental assessment for water transfers occurring over a ten-year period. Because of the relatively short horizon, it is anticipated that the existing Level of Development (LOD) would not substantially change, although reasonably foreseeable projects that may be constructed over the next ten years have been incorporated into the model. CalSim II existing LOD simulations depict how the modeled water system might operate with an assumed physical and institutional configuration imposed on a long-term hydrologic sequence, assuming that current land use, facilities, and operational objectives are in place for each year of simulation (water years 1970 through 2003). The results are a depiction of the current environment which provides a basis for comparison of alternatives effects for the impact analysis under CEQA. The ten-year period allows simulation of a

⁷ <http://sacramentoriverportal.org/modeling/CALSIM-Review.pdf>, Section 6.1

single level of development under the assumptions that conditions are not likely to change significantly over such a short time horizon.

C.5 Modeling Methodology and Analysis Limitations

C.5.1 DSM2 Scenario Development

DWR-DMS has developed a series of computer applications, called preprocessors, to automate the generation of DSM2 model inputs and boundary conditions. These applications produce input time series for DSM2 flows from CalSim II output, as well as time series for the timing of operations for certain gates and barriers, for example, the gates at the entry of Clifton Court Forebay (CCFB) and the gates in the Delta Cross Channel (DCC). The time series, as well as the time series for DICU flows and EC concentrations, are copied into a single input file in the DSS data format that is read directly into DSM2. Boundary conditions for the Base case come solely from CalSim II output, while boundary conditions defining the alternatives come from TOM. As mentioned previously, these alternatives depict an Existing, or Current Conditions, LOD.

C.5.2 Inflow, Export and EC Boundary Conditions

Boundaries that define the movement of water into and out of the Delta, and thus also the transport of water quality constituents, consist of inflow boundaries, outflow boundaries and a stage boundary set at Martinez. In Figure C-1 (left), the main inflow boundary locations are denoted by blue dots as is the stage boundary at Martinez. The inflow boundaries are found at the each of the major rivers (Sacramento, San Joaquin, Calaveras, Mokelumne and Cosumnes), and at the Yolo Bypass. The stage boundary at Martinez is also an outflow boundary. In Figure C-1 (right), the approximate positions of Delta export/diversion locations (water intakes) are shown.

CalSim II and EXCEL files were converted to DSM2 input. CalSim II output was developed as boundary conditions by running the preprocessors for DSM2. Time series in EXCEL files representing TOM model output were transferred to DSS format using the CalSim II file as a template, and then run through the DSM2 preprocessors. Similarly, the stage boundary at Martinez was obtained from a standardized time series under direction of the preprocessor logic. The EC boundary condition at Martinez is calculated in a DSM2 preprocessor using the NDO (Net Delta Outflow) value from CalSim II DSS file output and an equation defining an NDO-EC relationship at Martinez. The EC time series at the San Joaquin River location at Vernalis was supplied by MBK staff, either in the original CalSim II DSS file or in the EXCEL file with TOM model output. EC values at the other major inflow boundaries are set as standard constants for use in QUAL.

C.5.3 Limitations of the Analysis

There are limitations in the ability of models to accurately address all of the intricacies of complex water management operations. Professional judgment is required to interpret results and determine benefits and impacts. Analysis of Delta Conditions for the Long-Term Water Transfers is based on several models each with their own simplifications, idiosyncrasies and limitations. The overall analysis is therefore subject to the individual and combined limitations of these models. While it is important to recognize and acknowledge the limitations of models as they are applied for this analysis, these three models represent the best available tools for performing the analysis to serve as the basis for determining environmental impacts. The regular and continued use of DSM2, in particular, for planning studies and environmental assessment by Reclamation, DWR, and others indicates DSM2 is adequate for the purposes of this EIS/EIR.

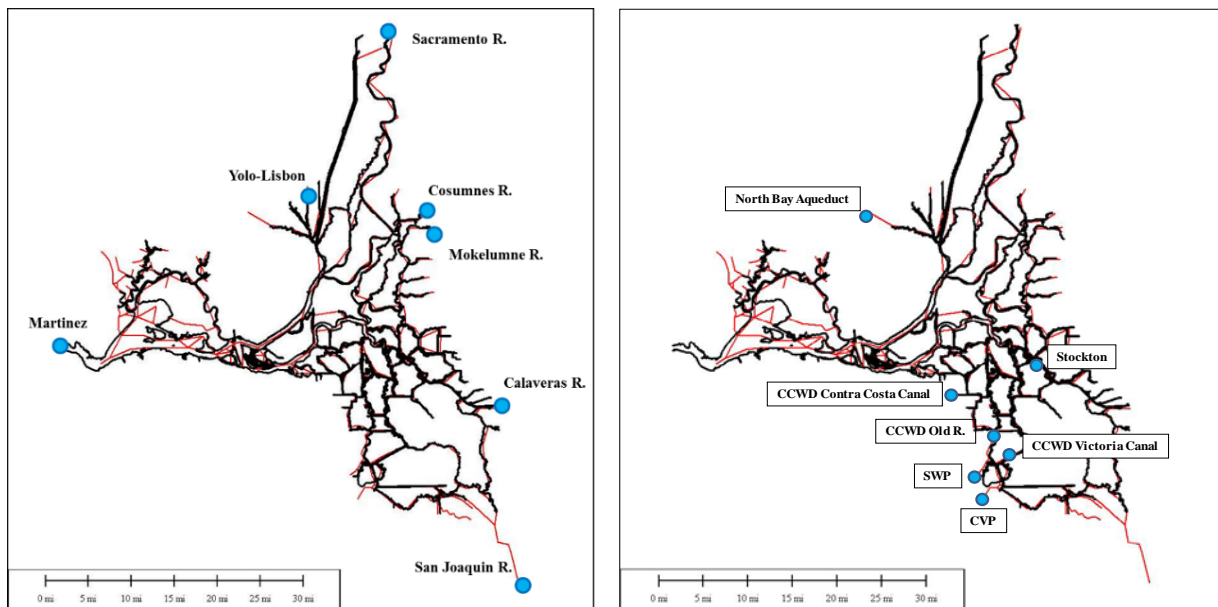


Figure C-1. Approximate Location (Blue Circles) Of: (Left) the Main Model Inflow Boundaries and the Stage Boundary At Martinez; and, (Right) the Water Intakes (Export Locations).

C.6 Description of Project Alternatives

C.6.1 Alternative 1: No Action/No Project Alternative

CEQA requires an EIR to include a No Action/No Project Alternative which allows for a comparison between the impacts of the action alternatives with Base case conditions. The No Action/No Project Alternative may include some reasonably foreseeable changes in existing conditions and changes that would be reasonably expected to occur in the foreseeable future if transfers were not approved.

Under the No Action/No Project Alternative, CVP related water transfers through the Delta would not occur from 2015-2024. However, other transfers that do not involve the CVP could occur under the No Action/No Project Alternative. Additionally, CVP transfers within basins could continue and would still require Reclamation's approval. Some CVP entities may decide that they are interested in selling water to buyers in export areas under the No Action/No Project Alternative; however, they would need to complete individual NEPA and Endangered Species Act (ESA) compliance for each transfer to allow Reclamation to complete the evaluation of the transfers for approval.

C.6.2 Alternative 2/Proposed Action: Full Range of Transfers

Alternative 2 would involve transfers from potential sellers upstream from the Delta to buyers in the Central Valley and Bay Area. Alternative 2 includes transfers under all potential transfer measures: groundwater substitution, reservoir release, conserved water, and cropland idling and crop shifting.

C.6.3 Alternative 3: No Cropland Modifications

Alternative 3 would include transfers through groundwater substitution, stored reservoir release, and conservation. It would not include any cropland idling or shifting transfers.

C.6.4 Alternative 4: No Groundwater Substitution

Alternative 4 would include transfers through cropland idling, crop shifting, stored reservoir release, and conservation. It would not include any groundwater substitution transfers.

C.6.5 Nomenclature Used in the DSM2 Analysis of Delta Conditions

The following descriptive nomenclature was used in headings and/or captions for Tables and Plots depicting model results for the Alternatives, and in the text of this document:

- Alternative 1 = (Existing Condition) Base
- Alternative 2 = All Transfers
- Alternative 3 = No Crop Idle
- Alternative 4 = No Groundwater Substitution

C.7 Comparison of Boundary Conditions for the Alternatives

Alternative 1, the Base condition, was simulated in DSM2 with the conditions defined by the baseline CalSim II output. These results represent reasonably foreseeable conditions for the 2015-2024 period and are used for comparison with results from each of the project alternatives. Selected boundary conditions for Alternatives 2 – 4 differed from CalSim II baseline conditions – the Base conditions and the monthly average differences are depicted in Figure C-2 through Figure C-10. Tables show computations of monthly average differences, average monthly differences and average monthly percent differences – the Attachment to this Appendix contain the full set of tabular results. In general, the Proposed Action has the greatest change from Base among the Alternatives.

Conditions for all other boundary conditions (not shown), including DICU flows and EC concentrations, were used by all four Alternatives. For the All Transfers and No Crop Idle alternatives, diversions of water for Banta Carbona Water District were specified downstream of Vernalis. These diversions were incorporated in the San Joaquin River inflow boundary instead of at their geographic location as they were small in volume, totaling 54 cfs in increments of 4 cfs over the simulation period (water years 1970 through 2003), and the diversion location would not affect any of parameters tracked for the Delta conditions analysis.

Table C-1 document the change from Base for Sacramento River inflow as shown in Figure C-2, while Table C-2 through Table C-4 show computation of the average monthly percent difference results. These tables show that the period July to September in Dry and Critical water years account for the increases in Sacramento River inflow for each of the water transfer alternatives, and that most other months and years have variable levels of decrease in inflow. The timing of the increases in inflow are in line with the release of transfer water from storage in upstream dams discussed in Appendix B. Percent decreases in inflow are less than 2% in all other months and year types.

Table C-14. Monthly Average Difference in Sacramento River Inflow (cGfs) between the All Transfers and Base Alternatives, (All Transfers – Base). The Lower Table Computes Average Monthly Differences.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 1970 | -0.5 | -0.2 | 0.0 | -0.2 | 0.3 | 0.0 | 0.2 | -0.5 | -0.4 | -0.4 | 0.2 | 0.1 |
| 1971 | 0.5 | -0.5 | 0.2 | -0.4 | -0.1 | -0.3 | 0.2 | 0.0 | 0.3 | -0.3 | 0.0 | 0.4 |
| 1972 | -0.1 | 0.4 | 0.3 | 0.4 | 0.4 | -0.1 | -0.4 | 0.3 | -0.4 | -0.4 | 0.0 | 0.4 |
| 1973 | 0.5 | 0.3 | -0.3 | 0.2 | -0.4 | 0.1 | 0.3 | 0.0 | 0.0 | -0.1 | 0.3 | 0.2 |
| 1974 | -0.5 | -0.3 | 0.4 | -0.5 | 0.3 | 0.4 | 0.1 | 0.3 | 0.4 | -0.4 | -0.3 | 0.3 |
| 1975 | 0.2 | -0.1 | 0.0 | -0.1 | 0.1 | -0.3 | -0.5 | 0.2 | -0.4 | -0.2 | 0.1 | -0.1 |
| 1976 | 0.3 | -0.5 | -0.1 | -0.5 | -0.3 | 0.2 | -2.9 | -4.6 | -45.0 | 1279.9 | 2802.7 | 693.4 |
| 1977 | -180.2 | -167.5 | -155.3 | -155.8 | -148.7 | -146.2 | -127.1 | -120.2 | -97.1 | 2118.5 | 826.0 | 471.0 |
| 1978 | -146.4 | -160.4 | -162.1 | -961.7 | -849.3 | -464.5 | -123.7 | -92.9 | -58.4 | 0.3 | -0.4 | -0.3 |
| 1979 | -0.1 | -0.2 | 0.0 | -84.7 | -239.3 | -76.8 | -65.9 | -49.4 | -0.1 | -0.1 | -0.5 | 0.0 |
| 1980 | -12.6 | -30.7 | -69.9 | -196.4 | -291.8 | -48.9 | -34.5 | -27.9 | -0.2 | -0.3 | 0.2 | 0.1 |
| 1981 | 0.3 | -13.8 | 0.5 | -43.6 | -29.2 | -28.5 | -22.5 | -19.9 | -37.8 | 66.8 | 1740.4 | -102.3 |
| 1982 | -153.3 | 62.5 | -817.2 | -198.8 | -218.7 | -100.8 | -84.4 | -199.9 | -40.5 | 0.5 | -0.1 | -0.1 |
| 1983 | -84.4 | -150.4 | -64.7 | -50.0 | -56.6 | -63.2 | -56.8 | -49.4 | -40.9 | -30.8 | -27.6 | -25.6 |
| 1984 | -23.7 | -37.0 | -37.2 | -35.0 | -31.4 | -29.6 | -20.3 | -17.7 | 0.0 | -13.7 | 0.0 | 0.3 |
| 1985 | -0.1 | -76.3 | -20.9 | -16.3 | -20.8 | -16.5 | -13.1 | -12.1 | -10.6 | -12.3 | -11.7 | -9.7 |
| 1986 | -9.0 | -9.1 | -22.2 | -16.1 | -77.5 | -19.9 | -18.1 | -11.2 | -0.2 | -0.2 | 0.4 | -0.3 |
| 1987 | 0.3 | -9.4 | -8.9 | -8.9 | -12.0 | -17.4 | -46.0 | -77.8 | -106.5 | 1818.7 | 2956.2 | 659.8 |
| 1988 | -216.7 | -182.1 | -276.8 | -384.3 | -82.3 | -173.0 | -165.1 | -158.5 | -126.5 | 2939.3 | 1189.0 | 567.7 |
| 1989 | -237.4 | -229.1 | -222.9 | -213.6 | -204.0 | -1104.4 | -698.7 | -210.6 | -196.1 | 59.1 | 959.5 | -30.2 |
| 1990 | -186.6 | -179.8 | -168.8 | -189.9 | -409.6 | -227.7 | -85.6 | -144.3 | -96.6 | 2801.2 | 1042.1 | 616.0 |
| 1991 | -197.1 | -113.6 | -91.9 | -111.1 | -114.4 | -620.4 | -240.6 | -177.9 | -198.1 | 2186.9 | 856.5 | 463.1 |
| 1992 | -209.3 | -186.1 | -200.7 | -193.7 | -674.1 | -286.3 | -234.3 | -198.9 | -235.7 | 2889.0 | 1185.5 | 443.6 |
| 1993 | -85.7 | -218.3 | -298.0 | -1265.1 | -1190.4 | -1136.9 | -226.0 | -595.1 | -184.2 | -0.4 | -0.5 | 0.1 |
| 1994 | 0.3 | 0.0 | 0.3 | -90.1 | -216.4 | -110.4 | -73.6 | -64.5 | -43.6 | 142.6 | 2682.3 | 503.4 |
| 1995 | -157.6 | -176.8 | -189.7 | -1176.5 | -837.8 | -282.3 | -183.1 | 109.2 | -311.7 | -108.4 | -100.0 | -0.4 |
| 1996 | -0.4 | 0.5 | -129.0 | -397.0 | -117.1 | -109.6 | -102.4 | -97.9 | -66.3 | 0.3 | 0.5 | 0.2 |
| 1997 | -0.3 | 0.3 | -406.3 | -92.0 | -83.7 | -75.8 | -54.0 | -49.2 | 0.3 | -33.7 | 0.0 | -30.4 |
| 1998 | -29.6 | -37.9 | -48.2 | -90.0 | -272.1 | -81.4 | -74.2 | -67.1 | -59.2 | -46.1 | -41.5 | -38.6 |
| 1999 | 0.5 | -89.5 | -46.6 | -39.1 | -53.5 | -47.8 | -46.0 | -38.5 | -30.0 | -0.1 | -0.1 | -0.1 |
| 2000 | 0.1 | 0.4 | -14.2 | -110.9 | -69.3 | -109.4 | -39.8 | -31.3 | -0.1 | -18.3 | -0.5 | 0.1 |
| 2001 | -0.2 | 0.3 | -22.5 | -38.5 | -33.9 | -31.9 | -28.8 | -82.3 | -112.7 | 3053.6 | 1524.6 | 657.0 |
| 2002 | -185.6 | -220.9 | -236.8 | -692.3 | -440.7 | -176.1 | -335.0 | -76.7 | -61.3 | -15.9 | -49.0 | -25.5 |
| 2003 | -2.7 | -24.0 | -264.7 | -165.5 | -81.9 | -77.7 | -75.4 | -137.2 | -133.2 | 800.8 | 55.0 | 46.6 |
| Average | -62.3 | -66.2 | -116.9 | -206.4 | -201.7 | -166.6 | -96.4 | -79.5 | -67.4 | 584.6 | 517.3 | 142.9 |
| Critical | -141.3 | -118.5 | -127.6 | -160.8 | -235.1 | -223.4 | -132.8 | -124.1 | -120.4 | 2051.0 | 1512.0 | 536.9 |
| Dry | -70.4 | -91.6 | -85.3 | -168.9 | -123.4 | -229.1 | -190.7 | -79.9 | -87.5 | 828.3 | 1186.7 | 191.5 |
| BN | -0.1 | 0.1 | 0.2 | -42.1 | -119.4 | -38.5 | -33.1 | -24.5 | -0.2 | -0.3 | -0.3 | 0.2 |
| AN | -41.1 | -72.1 | -134.8 | -449.9 | -413.8 | -306.2 | -83.2 | -147.4 | -62.7 | 130.3 | 9.0 | 7.8 |
| Wet | -35.2 | -33.7 | -135.4 | -161.2 | -134.4 | -62.4 | -49.2 | -32.4 | -42.2 | -18.0 | -12.9 | -7.3 |

Table C-22. Average Monthly Percent Difference in Sacramento River Inflow Between the All Transfers and Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Average | -0.8 | -0.7 | -0.6 | -0.6 | -0.7 | -0.6 | -0.5 | -0.6 | -0.5 | 4.3 | 5.2 | 1.8 |
| Critical | -1.9 | -1.5 | -1.4 | -1.1 | -1.3 | -1.5 | -1.2 | -1.5 | -1.2 | 15.7 | 15.8 | 7.0 |
| Dry | -1.0 | -0.8 | -0.5 | -0.6 | -0.8 | -0.6 | -1.1 | -0.7 | -0.7 | 5.6 | 11.1 | 2.3 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -1.0 | -0.7 | -1.0 | -0.9 | -0.8 | -0.3 | -0.6 | -0.3 | 0.5 | 0.1 | 0.0 |
| Wet | -0.3 | -0.2 | -0.4 | -0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |

Table C-33. Average Monthly Percent Difference in Sacramento River Inflow between the No Groundwater Substitution and Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-----|------|------|
| Average | -0.4 | -0.3 | -0.2 | -0.2 | -0.3 | -0.2 | -0.2 | 0.0 | -0.2 | 2.4 | 2.4 | 0.8 |
| Critical | -0.8 | -0.6 | -0.5 | -0.3 | -0.6 | -0.5 | -0.6 | 0.1 | -0.8 | 9.2 | 7.3 | 3.7 |
| Dry | -0.4 | -0.3 | 0.0 | -0.3 | -0.4 | -0.3 | -0.7 | -0.2 | -0.2 | 2.4 | 5.0 | 0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.4 | -0.4 | -0.2 | -0.4 | -0.6 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | -0.2 | -0.1 |
| Wet | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-44. Average Monthly Percent Difference in Sacramento River Inflow between the No Crop Idle and Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Average | -0.8 | -0.7 | -0.6 | -0.6 | -0.7 | -0.6 | -0.5 | -0.6 | -0.4 | 2.9 | 3.1 | 1.0 |
| Critical | -1.9 | -1.5 | -1.4 | -1.1 | -1.3 | -1.5 | -1.2 | -1.5 | -1.1 | 9.9 | 8.4 | 3.6 |
| Dry | -1.0 | -0.8 | -0.5 | -0.6 | -0.8 | -0.6 | -1.1 | -0.7 | -0.6 | 4.4 | 7.7 | 1.3 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -1.0 | -0.7 | -1.0 | -0.9 | -0.8 | -0.3 | -0.6 | -0.3 | 0.5 | 0.1 | 0.0 |
| Wet | -0.3 | -0.2 | -0.4 | -0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |

The East Bay Municipal Utility District (EBMUD) transfer water occur as exports on the upper Sacramento River near Freeport. Table C-5, Table C-6 and Figure C-3 illustrate these results. The flow volumes are small in comparison with Sacramento River flows. The exports of transfer water occur mainly in Critical and Dry water years, although some transfer also occurs in a few Above Normal or Wet water years.

Table C-55. Monthly Average Difference in EBMUD Export (cfs) for the All Transfers Alternative, (All Transfers – Base). The Lower Table Computes Average Monthly Differences.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1977 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1978 | 62.5 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1982 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1988 | 62.5 | 62.5 | 62.5 | 62.5 | 65.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1989 | 62.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1990 | 62.5 | 34.5 | 33.0 | 0.9 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1991 | 67.9 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1992 | 62.5 | 62.5 | 62.5 | 1.2 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1993 | 0.0 | 6.8 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1995 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 2002 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 18.5 | 11.2 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 11.0 | 11.0 | 20.2 | 20.2 | 20.2 |
| Critical | 45.4 | 31.7 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 44.6 | 44.6 | 62.5 | 62.5 | 62.5 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 10.4 | 41.7 | 41.7 | 41.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-66. Average Monthly Difference in EBMUD Exports (cfs) for Alternatives 3 and 4.

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|
| Average | 18.5 | 11.2 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 9.8 | 9.8 | 18.4 | 19.6 | 18.8 |
| Critical | 45.4 | 31.7 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 38.6 | 38.5 | 53.6 | 59.6 | 55.8 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 10.4 | 41.7 | 41.7 | 41.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|
| Average | 16.7 | 10.6 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 9.2 | 9.2 | 18.4 | 18.8 | 18.5 |
| Critical | 36.5 | 28.6 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 44.6 | 44.6 | 62.5 | 62.5 | 62.5 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.3 | 33.9 | 32.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

On the San Joaquin River (Figure C-4), Table C-7 shows that the average monthly percent change from Base inflow is less than +/- 2% for all months, water year types and alternatives except for July in Dry and Critical water years in the No Groundwater Substitution alternative, Alternative 3, whose results for average monthly percent difference results are shown in Table C-7. As can be seen in Figure C-3, the increased flow of approximately 500 cfs in this alternative occurred in exactly three water years (1981, 1992 and 2001). Figure C-5, San Joaquin River inflow EC for Base and change from Base for the Alternatives, illustrates that the upstream changes on the San Joaquin make little difference to inflow EC, as increases and decreases were infrequent and small in magnitude. Thus, the changes in San Joaquin River inflow and EC in Alternatives 2 through 4 have very little influence on the model results in the Delta.

Table C-77. Average Monthly Percent Difference in San Joaquin River Inflow between the No Groundwater Substitution and Base Alternatives

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 5.5 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

South Delta exports at the SWP-Banks and CVP-Jones locations, Figure C-6 and Figure C-7 respectively, show a similar pattern to Sacramento R. inflow in monthly average percent difference increases and decreases, shown in Table C-8 and Table C-9 for Alternative 2. Increases in export flow occur July and August in Dry and Critical years at SWP, and July – September in Dry and Critical years at CVP. The patterns of percent increases and decreases of exports at these locations are similar for Alternatives 3 and 4, but the

percentages are smaller (see the Attachment Section on Export Boundary Conditions for monthly average table details).

Table C-88. Average Monthly Percent Difference in SWP Export Flow between the All Transfers and Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Average | -1.3 | -1.0 | -0.3 | -0.5 | -0.2 | -0.2 | -0.1 | -0.2 | -0.6 | 11.2 | 7.3 | -1.1 |
| Critical | -3.6 | -2.1 | -1.4 | -2.4 | -0.2 | -0.7 | 0.0 | 0.0 | -1.6 | 35.3 | 33.7 | -3.9 |
| Dry | -2.9 | -0.4 | 0.0 | -0.3 | -0.7 | 0.0 | -0.6 | -0.9 | -1.7 | 21.2 | 2.3 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-99. Average Monthly Percent Difference in CVP Export Flow between the All Transfers and Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Average | -0.8 | -0.7 | -0.3 | -0.4 | 1.6 | -0.4 | -0.2 | -1.2 | -0.9 | 14.6 | 15.0 | 5.4 |
| Critical | -1.7 | -1.6 | -1.5 | -1.6 | -0.4 | -1.7 | -0.8 | -3.3 | -2.6 | 67.4 | 43.3 | 20.4 |
| Dry | -0.8 | -0.5 | -0.1 | -0.4 | -0.5 | 0.0 | -0.5 | -3.0 | -2.2 | 3.5 | 34.5 | 7.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.8 | -0.1 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| Wet | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 |

The export volumes are much smaller at each of the three Contra Costa Water District (CCWD) export locations, shown in Figure C-10 through Figure C-8. For each of these transfer water buyers, all changes in exports are increases for each of the alternatives, unlike the SWP and CVP which also experience decreases in export flow in the Alternatives. The three locations have different patterns of increases in the export of transfer water – although all exports occur in Critical and Dry water years, the Old River location (Table C-10) only exports transfer water in August and September, while the other two locations also export water in July (Table C-11 and Table C-12).

Table C-1040. Average Monthly Change from Base for CCWD Old River Exports (cfs) for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 21.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 21.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 5.5 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 18.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-1144. Average Monthly Change from Base for CCWD Rock Slough Exports (cfs) for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.1 | 8.5 | 10.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 0.0 | 13.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.1 | 8.5 | 10.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 0.0 | 13.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | 8.5 | 8.2 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 | 0.0 | 3.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-1212. Average Monthly Change from Base for CCWD Victoria Canal Exports (cfs) for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 8.3 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 8.3 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 6.0 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-13 illustrates the percent change from Base Net Delta Outflow (NDO) for the alternatives – NDO is the sum of all inflow and outflows set as boundary conditions in DSM2 as calculated in CalSim II. NDO percent changes in the table reflect the changes in Sacramento inflow with the largest increases occurring July through September in Critical and Dry water years for all alternatives in comparison with Base. With a few exceptions, the rest of the differences from Base are relatively small percent decreases. Figure C-11 illustrates the plot of Base NDO and the change from Base NDO for the alternatives. The Martinez EC boundary condition, illustrated in Figure C-12 as a monthly average, is calculated in a preprocessor from NDO for each of the Alternatives.

Table C-1343. Average Monthly Percent Change from Base Net Delta Outflow (cfs) for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Average | 0.0 | -0.1 | -0.4 | -0.4 | -0.5 | -0.5 | -0.4 | -0.3 | -0.3 | 3.3 | 2.6 | 1.5 |
| Critical | 0.0 | 0.0 | -0.2 | -0.4 | -1.0 | -0.8 | -0.6 | -0.4 | -0.3 | 12.3 | 7.7 | 5.1 |
| Dry | 0.0 | -0.5 | -0.6 | -0.3 | -0.5 | -0.6 | -0.9 | -0.3 | 0.0 | 4.3 | 5.5 | 2.6 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.1 | -0.8 | -0.7 | -0.8 | -0.9 | -0.2 | -0.5 | -1.0 | 0.1 | 0.3 | 0.1 |
| Wet | -0.1 | 0.0 | -0.3 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Average | 0.0 | -0.1 | -0.4 | -0.4 | -0.5 | -0.5 | -0.4 | -0.3 | -0.3 | 2.2 | 1.7 | 1.1 |
| Critical | 0.0 | 0.0 | -0.2 | -0.4 | -1.0 | -0.8 | -0.6 | -0.5 | -0.3 | 7.9 | 4.9 | 3.4 |
| Dry | 0.0 | -0.5 | -0.6 | -0.3 | -0.5 | -0.6 | -0.9 | -0.3 | 0.0 | 3.5 | 4.0 | 2.0 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.1 | -0.8 | -0.7 | -0.8 | -0.9 | -0.2 | -0.5 | -1.0 | 0.1 | 0.3 | 0.1 |
| Wet | -0.1 | 0.0 | -0.3 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|
| Average | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | -0.1 | 0.3 | 0.0 | 1.9 | 1.1 | 0.7 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 | 1.6 | 0.2 | 7.1 | 3.7 | 2.6 |
| Dry | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | -0.2 | -0.6 | 0.0 | 0.0 | 2.4 | 1.8 | 1.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 | -0.1 | 0.0 | -0.1 | -0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

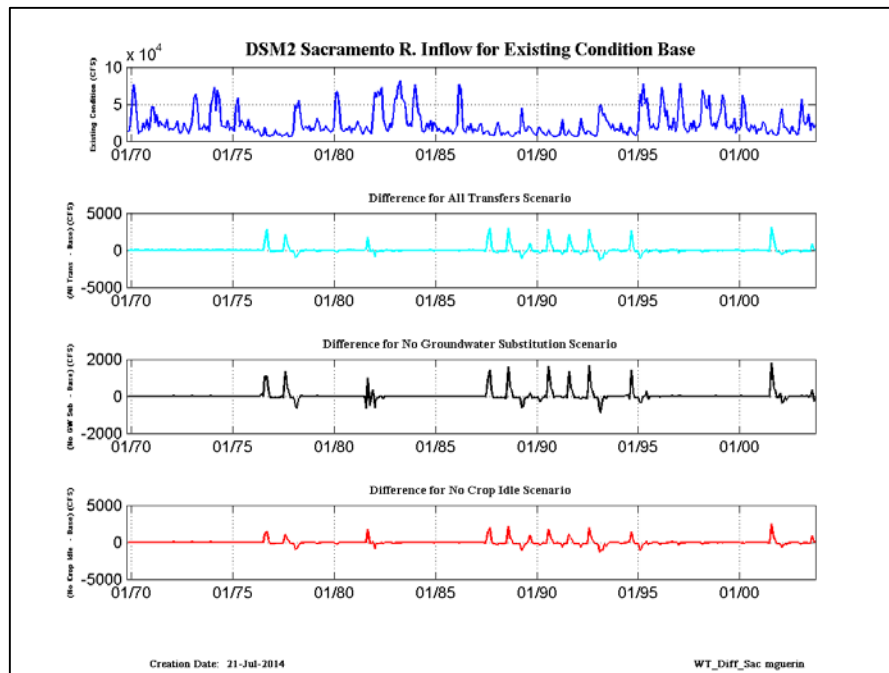


Figure C-2. Sacramento River Inflow for the Base Condition and Change from Base for the Alternatives.

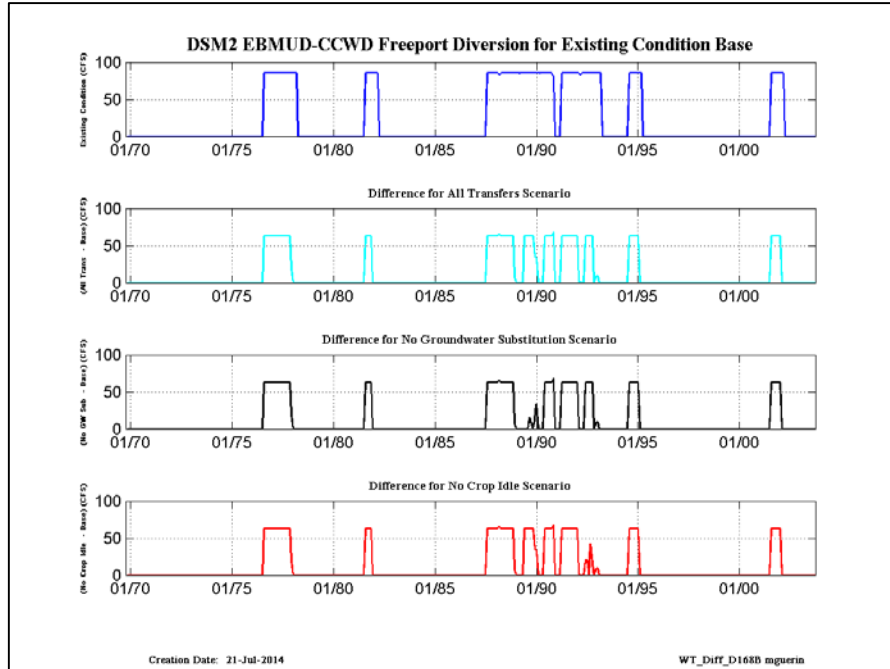


Figure C-3. EBMUD Freepport Diversion for the Base Condition and Change from Base for the Alternatives.

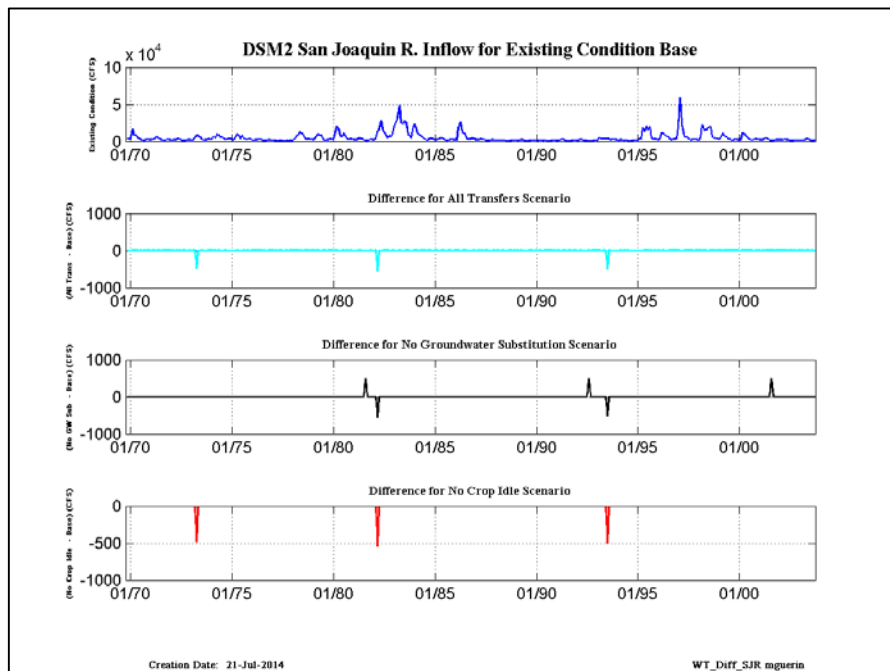


Figure C-4. San Joaquin R. inflow for Existing Base Condition and Change from Base for the Alternatives.

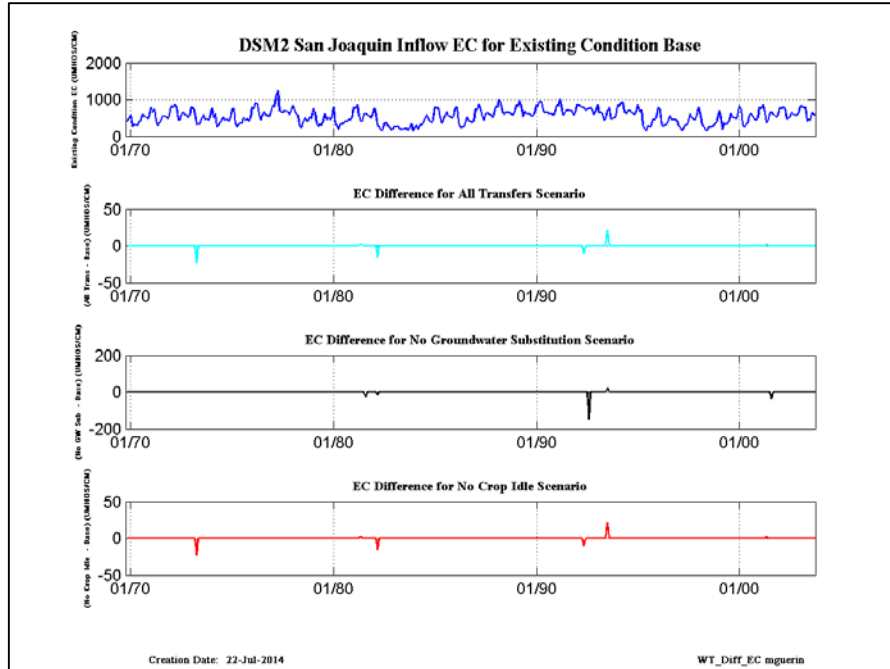


Figure C-5. San Joaquin inflow EC for Existing Base Condition and Change from Base for the Alternatives.

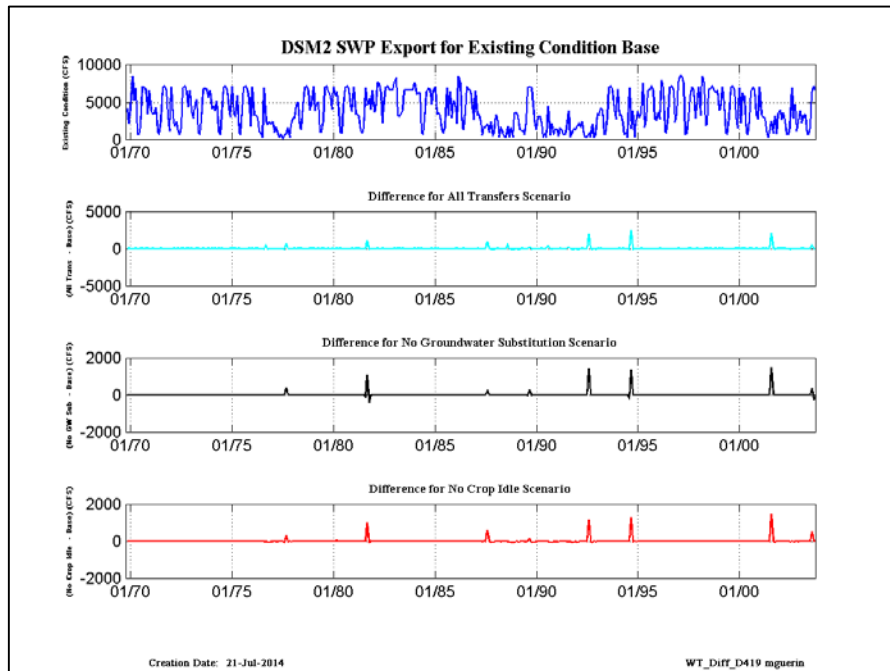


Figure C-6. SWP Export for the Base Condition and Change from Base for the Alternatives.

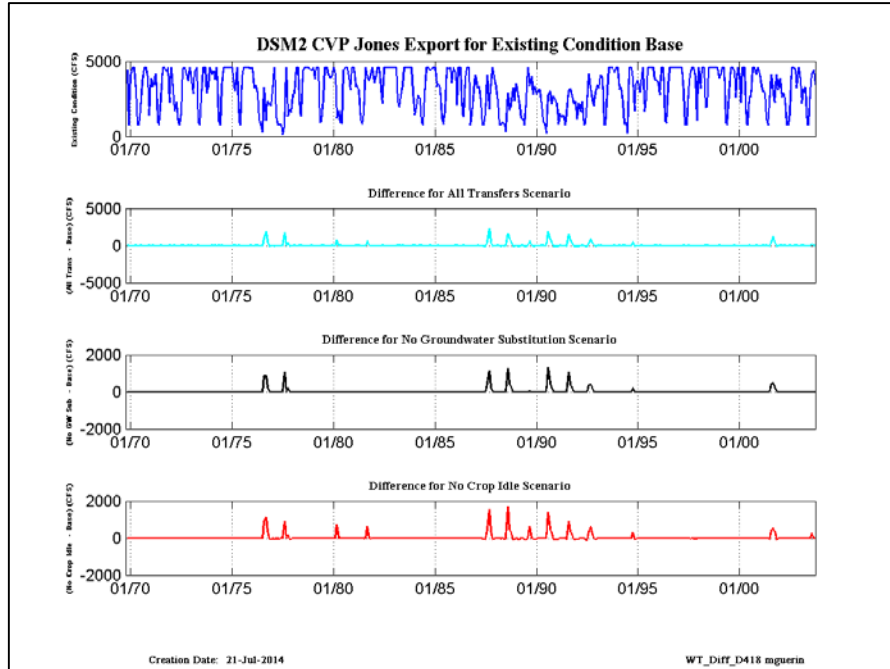


Figure C-7. CVP Export for the Base Condition and Change from Base for the Alternatives.

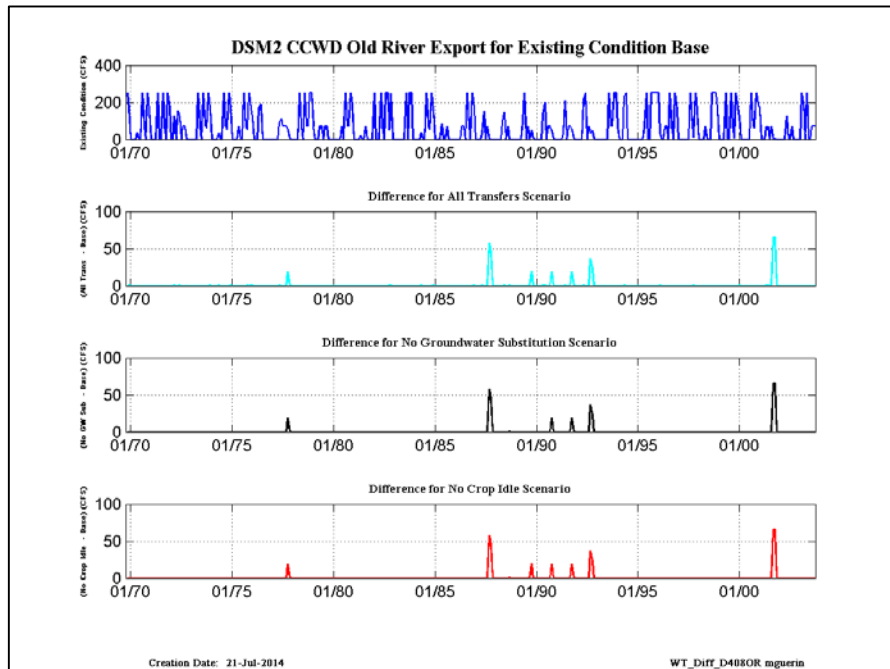


Figure C-8. CCWD Old River Export for the Base Condition and Change from Base for the Alternatives.

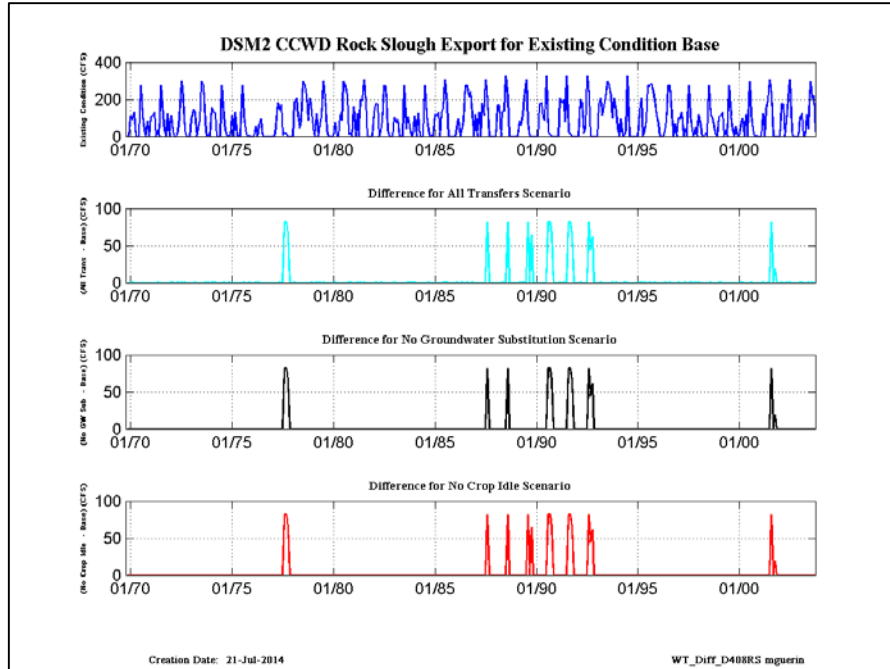


Figure C-9. CCWD Rock Slough Export for the Base Condition and Change from Base for the Alternatives.

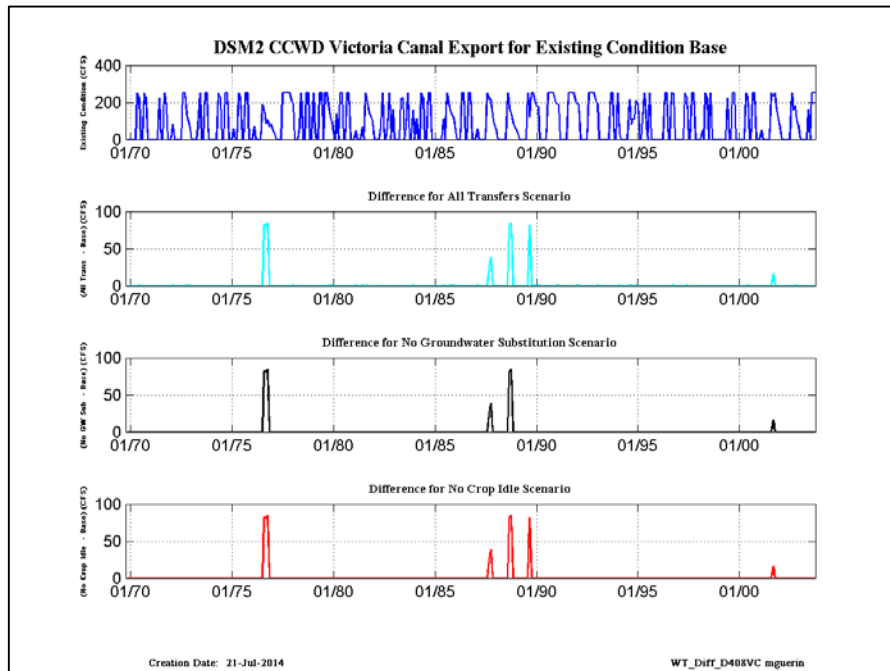


Figure C-10. CCWD Victoria Canal Export for the Base Condition and Change from Base for the Alternatives.

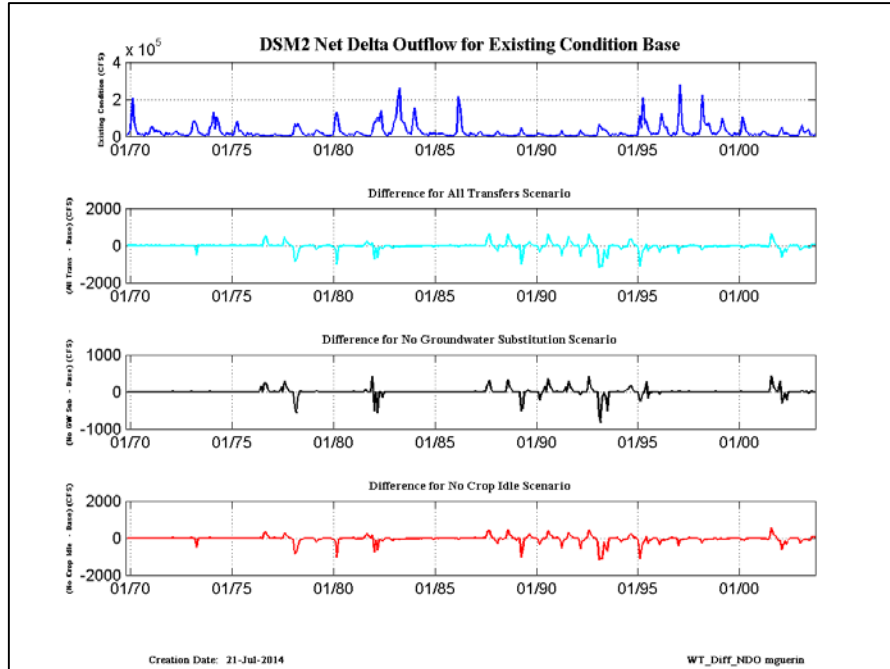


Figure C-11. Net Delta Outflow for the Base Condition and Change from Base for the Alternatives.

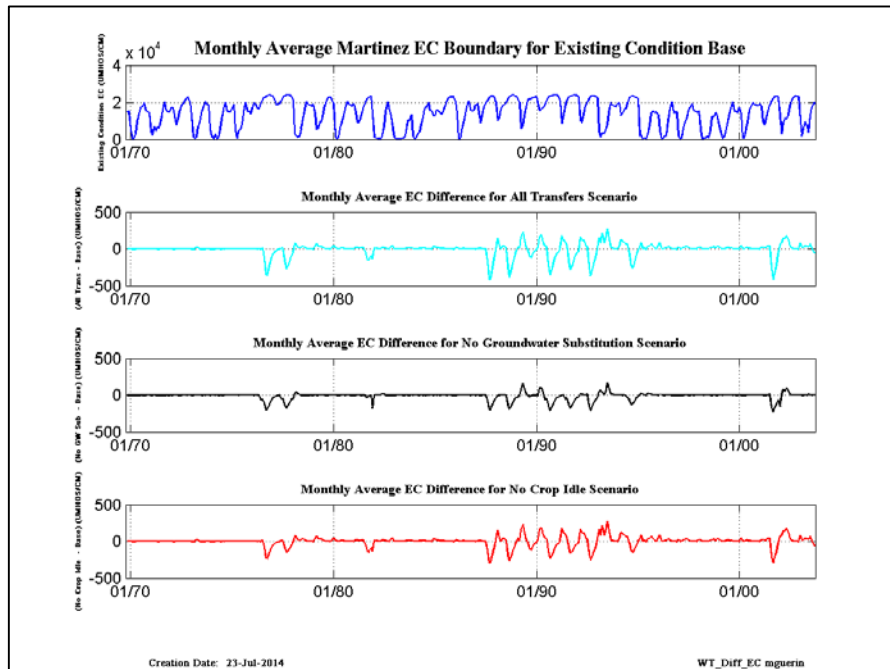


Figure C-12. Monthly Average Martinez EC for the Base Condition and Change from Base for the Alternatives.

C.8 Comparison of Salinity (EC) Results

The change in EC for Alternatives 2 – 4 in large part reflects the changes in flow for the Sacramento River and the SWP and CVP exports as these volumes were by far the largest in magnitude in comparison with the Base, Alternative 1. The largest changes in EC should reflect the balance between these two flows for the alternatives, as Sacramento inflow increases tend to reduce EC in the Delta while SWP+CVP export increases tend to increase EC. If export increases dominate locally, EC increases due to increased intrusion of Martinez EC, and if Sacramento inflow increases dominate locally, EC will decrease. In addition, when the Delta Cross Channel is open, low EC Sacramento River water reaches the central Delta, mainly through Middle River – increases in this flow are facilitated by increases in SWP and CVP export pumping. Table C-14 illustrates that on average, flow through the DCC was greater than Base flow July - September in Critical and Dry water years for all alternatives while in almost all other months and water year types, Base flow through the DCC was greater.

In this section, modeled EC results are presented at selected D-1641 locations that showed a change from Base EC (illustrated in figures) and/or average monthly percent change from Base EC (illustrated in tables) values that differed notably from Base monthly average or average monthly values. At most locations, the change or percent change from base EC was negligible. Plots and tables for locations not covered in this section are found in the Attachment.

Sacramento River (inflow) and SWP and CVP (export) increases in volume occurred mainly July – September in Critical and Dry water years, with the largest increases in the All Transfers alternative, with decreases in volume occurring in most other months with few exceptions. Of the three alternatives, the All Transfers alternative had the greatest changes and percent changes in comparison with the Base alternative.

Figure C-13 and Table C-15 illustrate that the largest changes in modeled EC at the intake to Clifton Court Forebay (for SWP exports) occur in the All Transfers alternative. For all alternatives, the largest EC percent increases occur in July and August of Critical and Dry water years, and the largest decreases occur in September and October of Critical water years. The No Groundwater Substitution alternative has a different pattern for EC percent decreases in Dry water years than the other two alternatives, as the percent differences are smaller in magnitude in September and October for this alternative.

Figure C-14 and Table C-16 illustrate the changes in modeled EC for CVP exports for the three alternatives. The pattern of EC increases and decreases is the same as those for the SWP exports, but the magnitudes are smaller at the CVP location.

Table C-1414. Delta Cross Channel Average Monthly Percent Change from Base flow (cfs).

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|-----|-----|-----|-----|------|------|------|------|-----|
| Average | -0.5 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 3.8 | 5.6 | 2.5 |
| Critical | -1.2 | -1.1 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.0 | 14.3 | 17.5 | 9.3 |
| Dry | -0.7 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | -0.6 | 4.7 | 11.7 | 3.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.4 | 0.0 | 0.0 |
| Wet | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.2 | 2.8 | 1.4 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | 8.9 | 8.7 | 5.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 2.2 | 5.7 | 1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.2 | -0.1 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|-----|-----|-----|-----|------|------|------|------|-----|
| Average | -0.5 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 2.6 | 3.4 | 1.5 |
| Critical | -1.2 | -1.1 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.8 | 9.3 | 9.9 | 5.5 |
| Dry | -0.7 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -0.6 | 3.7 | 8.1 | 2.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.4 | 0.0 | 0.0 |
| Wet | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

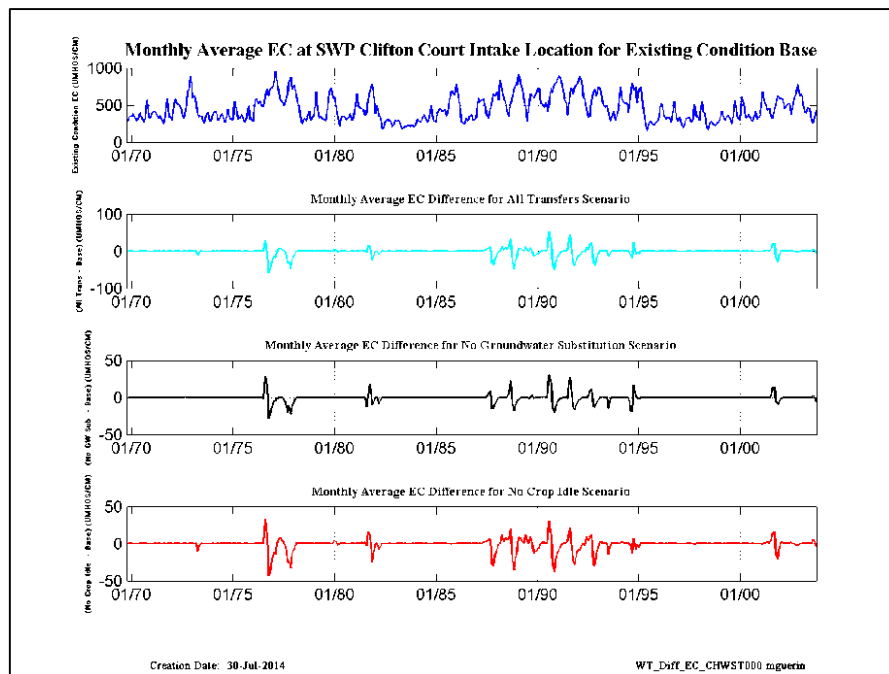


Figure C-13. Monthly Average EC at the SWP-Banks intake to Clifton Court Forebay for the Base Condition and Change from Base for the Alternatives.

Table C-1515. SWP Intake to Clifton Court Forebay Average Monthly Percent Change from Base EC for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|
| Average | -1.6 | -0.9 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 1.1 | 0.6 | -1.2 |
| Critical | -3.8 | -2.2 | -1.1 | -0.7 | -0.1 | 0.4 | 0.3 | 0.6 | 0.6 | 4.2 | 1.0 | -4.3 |
| Dry | -1.9 | -0.9 | -0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.6 | 0.6 | 1.2 | 1.9 | -1.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -1.0 | -0.3 | 0.1 | 0.0 | -0.5 | 0.0 | 0.0 | -0.6 | 0.0 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|
| Average | -1.2 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.7 | 0.4 | -1.0 |
| Critical | -3.0 | -1.7 | -0.9 | -0.6 | -0.1 | 0.4 | 0.3 | 0.6 | 0.5 | 2.7 | 0.6 | -3.6 |
| Dry | -1.4 | -0.7 | -0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.6 | 0.6 | 0.8 | 1.5 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.4 | -0.7 | -0.2 | 0.1 | 0.0 | -0.5 | 0.0 | 0.0 | -0.6 | 0.0 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|------|-----|------|
| Average | -0.6 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.5 | 0.4 | -0.4 |
| Critical | -1.5 | -0.8 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 2.2 | 1.1 | -1.6 |
| Dry | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.6 | -0.2 | 0.0 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

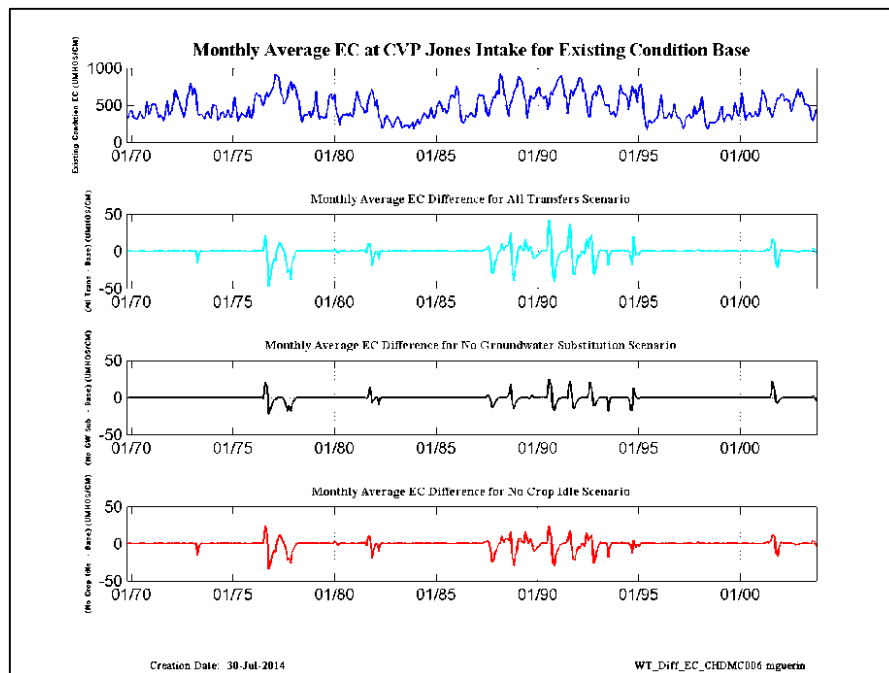


Figure C-14. Monthly Average CVP-Jones Intake EC for the Base Condition and Change from Base for the Alternatives.

Table C-1616. CVP Intake at Delta Mendota Canal Average Monthly Percent Change from Base EC for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.3 | -0.7 | -0.3 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.9 | 0.3 | -1.1 |
| Critical | -3.2 | -1.8 | -0.8 | -0.5 | 0.0 | 0.4 | 0.2 | 0.7 | 0.6 | 3.3 | 0.8 | -3.9 |
| Dry | -1.6 | -0.8 | -0.2 | 0.1 | 0.2 | 0.0 | 0.2 | 0.6 | 0.5 | 1.0 | 0.7 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.6 | -0.8 | -0.2 | 0.0 | -0.1 | -0.7 | -0.1 | 0.0 | -0.6 | 0.1 | 0.1 | -0.1 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.1 | -0.5 | -0.2 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.5 | 0.2 | -0.9 |
| Critical | -2.5 | -1.4 | -0.6 | -0.4 | 0.0 | 0.4 | 0.2 | 0.7 | 0.6 | 2.1 | 0.5 | -3.2 |
| Dry | -1.2 | -0.5 | -0.1 | 0.1 | 0.2 | 0.0 | 0.2 | 0.6 | 0.5 | 0.6 | 0.6 | -1.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.6 | -0.1 | 0.0 | -0.1 | -0.7 | -0.1 | 0.0 | -0.6 | 0.1 | 0.1 | -0.1 |
| Wet | -0.3 | -0.1 | -0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|-----|-----|------|------|-----|------|
| Average | -0.5 | -0.3 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | 0.2 | -0.4 |
| Critical | -1.3 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.0 | 0.9 | -1.5 |
| Dry | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.3 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.6 | -0.1 | 0.0 | -0.1 |
| Wet | -0.1 | -0.1 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

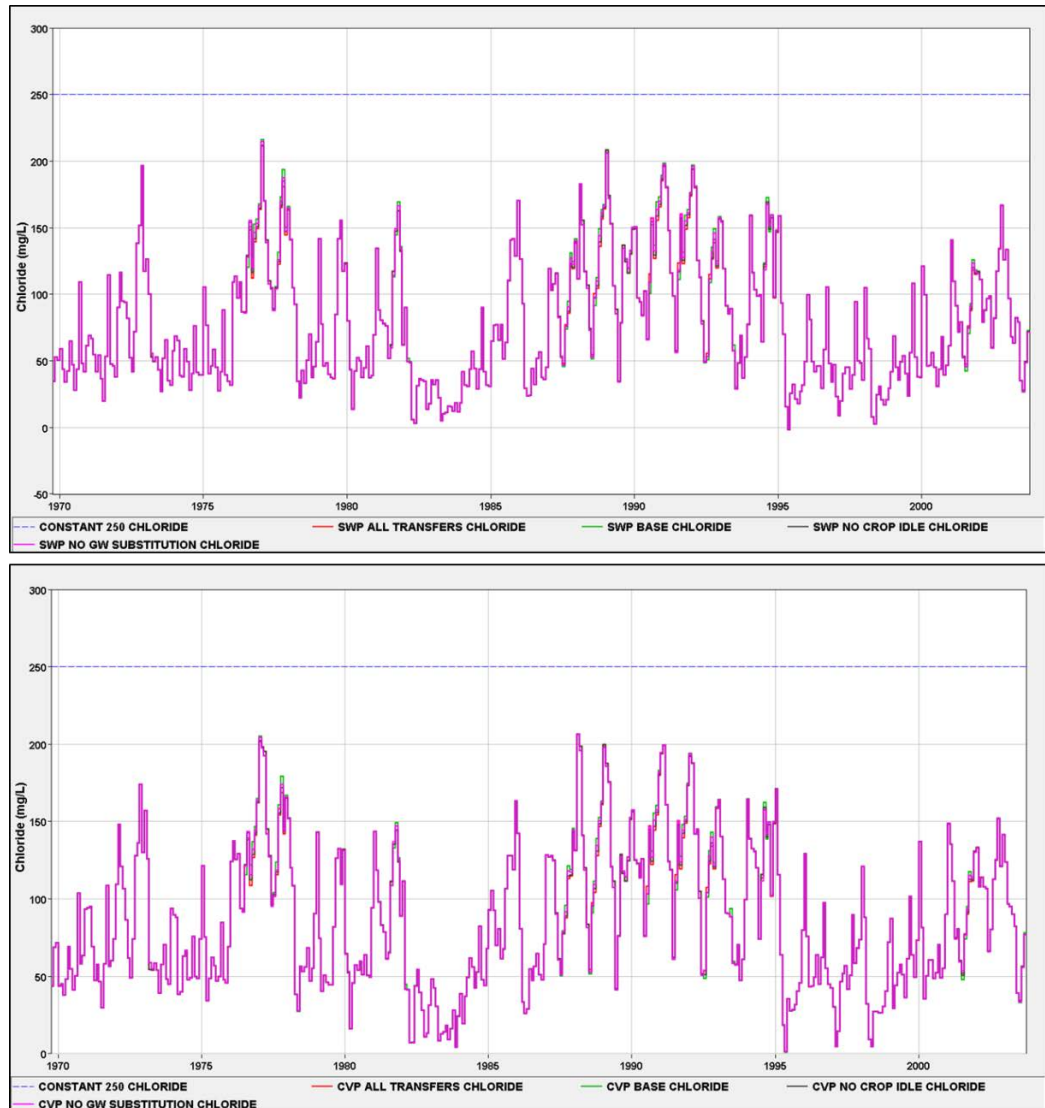


Figure C-15. SWP and CVP Monthly Average Chloride for the Alternatives.

D-1641 standards require that all export locations maintain chloride concentration less than 250 mg/L. Figure C-15 shows chloride concentration at SWP and CVP, and Figure C-16 shows chloride at CCWD's Old River and Victoria Canal locations. Each location used the following conversion (DWR, 2001) calculated from monthly average EC:

$$\text{Chloride (mg/L)} = (\text{EC} - 160.6)/3.66$$

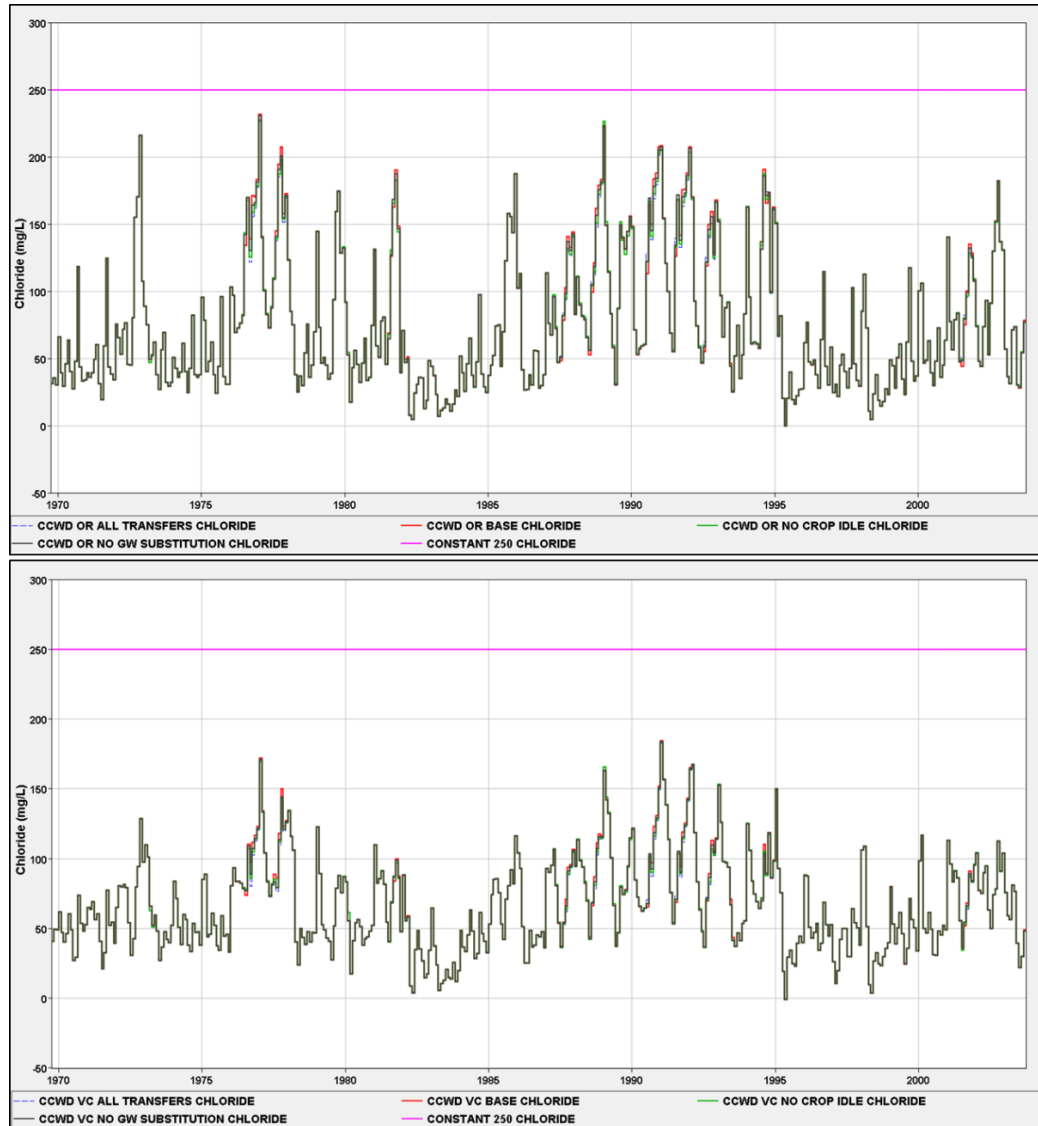


Figure C-16. CCWD’s Old River (OR) and Victoria Canal (VC) monthly Average Chloride for the Alternatives.

At CCWD’s intake in the Contra Costa Canal, denoted in this document as the Rock Slough Intake, a different conversion is used to calculate chloride from EC:

$$\text{Chloride (mg/L)} = (EC - 89.6)/3.73$$

The D-1641 criteria at this location specifies the minimum number of days that mean daily chloride should be less than 150 mg/L. For Critical water years this is 155 days, and for Dry water years this is 165 days. Results in Table C-17 indicate that several Critical and one Dry water year have greater percent differences (bold font).

Table C-1747. Monthly Average Percent Change from Base EC at CCWD Rock Slough Location for the All Transfers Alternative.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-------------|------------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -2.2 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 4.2 | -0.8 | -8.5 |
| 1977 | -7.8 | -5.1 | -2.9 | -2.1 | -1.2 | 0.0 | 0.4 | 0.3 | 0.4 | 1.7 | -0.3 | -1.0 |
| 1978 | -4.8 | -4.1 | -2.0 | -0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.6 | 1.0 | 2.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -0.9 | 1.1 | 4.0 |
| 1982 | -3.6 | -2.6 | -0.8 | 0.0 | -1.7 | -1.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.6 | 0.9 | 0.5 | 4.3 | 6.8 | -4.3 |
| 1988 | -6.6 | -4.6 | -2.7 | -0.3 | 0.0 | 0.6 | 0.7 | 1.0 | 0.8 | 7.8 | 9.0 | -4.9 |
| 1989 | -7.2 | -4.9 | -2.9 | 0.7 | 0.7 | 0.7 | 0.3 | 1.2 | 0.5 | 2.7 | 1.3 | -1.5 |
| 1990 | -3.0 | -2.2 | -1.6 | -1.2 | 0.0 | 0.7 | 0.7 | 0.4 | 0.6 | 17.2 | 2.0 | -5.7 |
| 1991 | -6.2 | -4.7 | -2.8 | -2.1 | -0.7 | -0.1 | 0.1 | 0.2 | 1.4 | 13.1 | 1.3 | -5.0 |
| 1992 | -5.5 | -4.0 | -2.5 | -2.0 | -1.2 | 0.0 | 0.1 | 0.8 | 0.6 | 8.2 | 7.3 | -3.0 |
| 1993 | -5.5 | -3.9 | -1.7 | 0.6 | 0.3 | 0.3 | 0.2 | 0.2 | -1.6 | -1.1 | 0.3 | 0.2 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.6 | 0.4 | 0.3 | 0.2 | 0.3 | -0.9 | -2.2 | 5.1 |
| 1995 | -1.2 | -1.1 | -1.5 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 9.5 | 8.2 | -1.1 |
| 2002 | -4.7 | -3.6 | -0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.3 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.3 | -0.1 | -0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.7 | 0.8 | -1.4 |
| Average | -1.7 | -1.2 | -0.6 | -0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 2.0 | 1.0 | -0.8 |
| Critical | -4.1 | -2.9 | -1.8 | -1.1 | -0.4 | 0.2 | 0.3 | 0.4 | 0.6 | 7.3 | 2.3 | -3.3 |
| Dry | -2.0 | -1.4 | -0.5 | 0.1 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 2.6 | 2.9 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -1.4 | -0.6 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | -0.3 | 0.3 | 0.2 | -0.2 |
| Wet | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

For these years, mean daily chloride was calculated from EC model output for the four Alternatives, and the number of days that chloride was greater than 150.5 mg/L was tabulated – results are shown in Table C-18. Although D-1641 specifies 14-day durations for mean daily chloride concentration, since most DSM2 boundary conditions are specified as monthly values, it is not sensible to account for this constraint herein.

Table C-1818. Check on D-1641 Chloride Standard at the CCWD Rock Slough Intake Location – Number Days Mean Daily Chloride < 150 mg/L.

| Water Year | Base | All Transfers | No Crop Idle | No GW Sub |
|-------------|------|---------------|--------------|-----------|
| 1988 (Crit) | 272 | 264 | 278 | 275 |
| 1990 (Crit) | 201 | 193 | 195 | 195 |
| 1991 (Crit) | 180 | 176 | 177 | 177 |
| 1992 (Crit) | 194 | 183 | 185 | 186 |
| 2001 (Crit) | 338 | 338 | 338 | 338 |

The model results for the three CCWD intake locations are also presented by comparing the monthly average percent difference tables by alternative. Table C-19 through Table C-21 illustrates the results for all three locations for the All Transfers, No Groundwater Substitution and No Crop Idle alternatives, respectively. For each alternative, the CCWD-Victoria Canal intake location has a different pattern of monthly average percent increases and decreases than the other two alternatives (not shown), as the path for much of the water exported is through Middle River which is more heavily influenced by the operations of the DCC than the other two locations. In August of Critical water years, Victoria Canal sees a decrease in EC while the other locations saw an increase – this is likely due to the increased flow through the DCC (Table C-14) combined with the increased exports (Table C-8 and Table C-9) in comparison with the Base alternative.

The pattern of EC changes at CCWD’s Rock Slough and Old River intake locations is similar to the pattern at the SWP location, with the largest EC increases occurring in July and August of Critical and Dry water years, with Rock Slough showing greater increases than Old River as it receives a greater proportion of higher EC water from the Martinez boundary than the Old River location.

Table C-1919. CCWD Intakes –Average Monthly Percent Change from Base EC for the All Transfers Alternative.

CCWD Victoria Canal location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|------|------|------|
| Average | -1.3 | -0.5 | -0.3 | -0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.4 | -1.5 |
| Critical | -3.1 | -1.3 | -0.9 | -0.6 | -0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | -1.9 | -5.9 |
| Dry | -1.5 | -0.6 | -0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | -0.3 | 0.0 | -1.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -0.7 | -0.3 | 0.0 | 1.1 | -0.3 | -0.1 | 0.1 | -0.6 | -0.3 | 0.1 | -0.1 |
| Wet | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Old River location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.6 | -0.9 | -0.5 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 1.3 | 0.5 | -1.2 |
| Critical | -4.0 | -2.3 | -1.5 | -0.9 | -0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 4.9 | 0.5 | -4.4 |
| Dry | -2.0 | -1.0 | -0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 1.7 | 2.4 | -1.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.9 | -1.1 | -0.4 | 0.1 | 0.5 | -0.4 | -0.1 | 0.0 | -0.4 | 0.2 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Rock Slough location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.7 | -1.2 | -0.6 | -0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 2.0 | 1.0 | -0.8 |
| Critical | -4.1 | -2.9 | -1.8 | -1.1 | -0.4 | 0.2 | 0.3 | 0.4 | 0.6 | 7.3 | 2.3 | -3.3 |
| Dry | -2.0 | -1.4 | -0.5 | 0.1 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 2.6 | 2.9 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -1.4 | -0.6 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | -0.3 | 0.3 | 0.2 | -0.2 |
| Wet | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-2020. CCWD Intakes –Average Monthly Percent Change from Base EC for the No Groundwater Substitution Alternative.

CCWD Victoria Canal location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|------|------|------|
| Average | -0.6 | -0.3 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | -0.7 |
| Critical | -1.4 | -0.6 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.7 | -2.8 |
| Dry | -0.6 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -0.3 | 0.0 | -0.1 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Old River location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|------|------|------|
| Average | -0.6 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | 0.4 | -0.4 |
| Critical | -1.5 | -0.9 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 2.7 | 0.8 | -1.7 |
| Dry | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.2 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -0.1 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Rock Slough location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|
| Average | -0.5 | -0.5 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 1.0 | 0.6 | -0.1 |
| Critical | -1.5 | -1.1 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | -0.4 | 4.7 | 2.1 | -0.7 |
| Dry | -0.6 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-2121. CCWD Intakes –Average Monthly Percent Change from Base EC for the No Crop Idle Alternative.

CCWD Victoria Canal location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|------|------|------|
| Average | -1.0 | -0.4 | -0.2 | 0.0 | 0.2 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.2 | -1.1 |
| Critical | -2.3 | -0.9 | -0.7 | -0.4 | -0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | -1.1 | -4.3 |
| Dry | -1.1 | -0.4 | -0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | -0.3 | 0.1 | -1.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -0.5 | -0.1 | 0.1 | 1.1 | -0.3 | -0.1 | 0.1 | -0.6 | -0.3 | 0.1 | -0.1 |
| Wet | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Old River location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.3 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.9 | 0.4 | -1.0 |
| Critical | -3.1 | -1.8 | -1.2 | -0.8 | -0.2 | 0.3 | 0.3 | 0.6 | 0.5 | 3.2 | 0.1 | -3.8 |
| Dry | -1.5 | -0.7 | -0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.5 | 0.5 | 1.1 | 1.8 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.4 | -0.8 | -0.2 | 0.2 | 0.5 | -0.4 | -0.1 | 0.0 | -0.4 | 0.2 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CCWD Rock Slough location

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|------|------|-----|------|-----|-----|------|
| Average | -1.3 | -0.9 | -0.5 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 1.5 | 0.7 | -0.7 |
| Critical | -3.3 | -2.3 | -1.4 | -0.9 | -0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 5.2 | 1.6 | -2.8 |
| Dry | -1.5 | -1.1 | -0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 1.9 | 2.1 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -1.0 | -0.4 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | -0.3 | 0.3 | 0.2 | -0.2 |
| Wet | -0.4 | -0.2 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-2222. RSAC081 location (Collinsville) Average Monthly Percent Change from Base EC for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | -0.8 | -0.3 | 0.2 | 0.4 | 0.5 | 0.6 | 0.6 | 0.5 | 0.6 | -1.9 | -2.8 | -1.9 |
| Critical | -1.9 | -0.8 | -0.2 | 0.5 | 1.4 | 1.7 | 1.5 | 1.0 | 1.1 | -6.9 | -9.2 | -6.1 |
| Dry | -1.0 | -0.1 | 0.5 | 0.5 | 0.9 | 0.9 | 1.5 | 1.1 | 0.6 | -3.1 | -5.6 | -3.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.9 | -0.3 | 0.5 | 0.9 | 0.1 | 0.2 | 0.0 | 0.2 | 1.3 | 0.3 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | -0.5 | -0.2 | 0.3 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | -1.3 | -1.9 | -1.3 |
| Critical | -1.3 | -0.5 | 0.0 | 0.6 | 1.5 | 1.8 | 1.5 | 1.0 | 0.8 | -4.6 | -5.9 | -3.9 |
| Dry | -0.7 | 0.1 | 0.6 | 0.5 | 1.0 | 0.9 | 1.5 | 1.1 | 0.5 | -2.5 | -4.4 | -2.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.2 | 0.6 | 0.9 | 0.1 | 0.2 | 0.0 | 0.2 | 1.3 | 0.3 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | 0.3 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| Average | -0.4 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.1 | -1.1 | -1.4 | -0.8 |
| Critical | -0.9 | -0.4 | -0.2 | -0.2 | 0.4 | 0.3 | 0.1 | -0.9 | -0.2 | -4.2 | -4.9 | -3.0 |
| Dry | -0.5 | -0.2 | -0.3 | -0.1 | 0.3 | 0.3 | 0.9 | 0.5 | 0.3 | -1.5 | -2.4 | -1.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.2 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.2 | 0.1 | 0.1 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-22 illustrates results for average monthly percent change from Base EC at Collinsville, RSAC081, on the Sacramento River. The increases and decreases in percent change from Base EC at RSAC081 reflect the boundary conditions changes in NDO (Figure C-11). EC results at locations in Suisun Marsh show a similar pattern.

Table C-23 and Table C-24 illustrate EC results as percent change from Base at RSAN007, near Antioch, and RSAN018, Jersey Point, respectively, on the San Joaquin River. The model results for EC at RSAN007 are similar to those at RSAC081, as they are both strongly influenced by the increases in Sacramento River outflow, as reflected in the changes in NDO flow in comparison with Base. The results at RSAN018 (Table C-24), Jersey Point, are somewhat different than those at RSAN007 (Table C-23). The Jersey Point location has a more complicated set of influences on EC, as local antecedent conditions, such as the EC in Franks Tract, of higher or lower EC waters can serve as reservoirs that mix locally near RSAN018. However, the largest increases (June – July) and decreases (August – November) in EC occur in Critical water years for all alternatives.

Both RSAN018 and RSAC092 on the Sacramento River at Emmaton have D-1641 have constraints for EC specified by water year type. Examining the average monthly percent change from Base at RSAN018 in Table C-24, large changes in EC are seen in Critical (Cr) June and July periods and in Above Normal (AN) July's (i.e., the values indicate individual years may be influencing results). Monthly average Tables (not shown, see the Attachment) indicate that for RSAN018 the AN water year 2003 and the Cr water years 1990 and 1991 can serve as indicators for adherence to D-1641 criteria for RSAN018, and that water years 2003 (AN) and 1976, 1977 and 1991 (Cr) can serve as indicators for RSAC092.

Using the maximum EC constraints at RSAC092 for AN and Cr water years (the plotted constants), Figure C-17 shows that there are only minor differences between the Base Alternative 1 and the other Alternatives (2-4) . Similarly, for RSAN018 (Figure C-18) the difference in Base alternative in increase in EC amounts to a shift in EC increases of a few days. These differences could be accounted for in real operations by delaying exports and/or reservoir releases by a few days to adhere more closely to D-1641 standards.

Table C-2323. RSAN007 Location (Near Antioch) Average Monthly Percent Change from Base EC for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|-----|-----|-----|------|-----|-----|------|------|------|
| Average | -1.1 | -0.4 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | -1.5 | -2.6 | -2.1 |
| Critical | -2.5 | -1.1 | -0.5 | 0.1 | 0.9 | 1.4 | 1.4 | 1.1 | 1.3 | -5.8 | -8.8 | -6.5 |
| Dry | -1.3 | -0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.9 | 0.5 | -2.6 | -5.0 | -4.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.5 | 0.4 | 0.7 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | -0.3 | -0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|-----|-----|-----|------|-----|-----|------|------|------|
| Average | -0.8 | -0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | -1.1 | -1.9 | -1.5 |
| Critical | -1.9 | -0.8 | -0.3 | 0.2 | 1.0 | 1.4 | 1.4 | 1.1 | 1.0 | -3.8 | -5.8 | -4.3 |
| Dry | -1.0 | -0.1 | 0.6 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 0.4 | -2.1 | -4.0 | -3.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.3 | 0.5 | 0.7 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | -0.2 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|-----|-----|------|------|------|------|------|
| Average | -0.5 | -0.2 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | -0.2 | 0.0 | -0.9 | -1.3 | -0.8 |
| Critical | -1.1 | -0.5 | -0.3 | -0.2 | 0.3 | 0.3 | 0.1 | -1.1 | -0.2 | -3.5 | -4.6 | -3.0 |
| Dry | -0.6 | -0.2 | -0.2 | -0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | -1.2 | -2.0 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.2 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-2424. RSAN018 Location (Jersey Point) Average Monthly Percent Change from Base EC for the Alternatives.

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|-----|-----|------|-----|-----|-----|------|------|
| Average | -1.6 | -0.9 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 1.3 | -0.3 | -1.6 |
| Critical | -3.8 | -2.2 | -1.3 | -0.9 | 0.0 | 0.5 | 0.5 | 0.6 | 1.4 | 3.5 | -2.4 | -5.0 |
| Dry | -1.9 | -0.8 | 0.3 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 2.2 | 1.1 | -3.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.7 | -1.0 | 0.0 | 0.4 | 0.1 | 0.0 | -0.2 | 0.0 | 0.1 | 1.0 | -0.1 | -0.2 |
| Wet | -0.5 | -0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|-----|-----|------|-----|------|-----|------|------|
| Average | -1.3 | -0.7 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.9 | -0.4 | -1.3 |
| Critical | -3.0 | -1.8 | -1.1 | -0.7 | 0.0 | 0.5 | 0.5 | 0.6 | 1.0 | 2.3 | -2.4 | -4.0 |
| Dry | -1.5 | -0.6 | 0.4 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 1.5 | 0.4 | -2.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -0.8 | 0.2 | 0.5 | 0.1 | 0.0 | -0.2 | 0.0 | 0.1 | 1.0 | -0.1 | -0.2 |
| Wet | -0.4 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|------|------|------|-----|-----|------|------|-----|------|------|
| Average | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.0 | -0.5 |
| Critical | -1.3 | -0.7 | -0.4 | -0.2 | 0.0 | 0.2 | 0.1 | -0.9 | -0.3 | 2.3 | -0.9 | -1.6 |
| Dry | -0.6 | -0.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.9 | 1.1 | -0.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

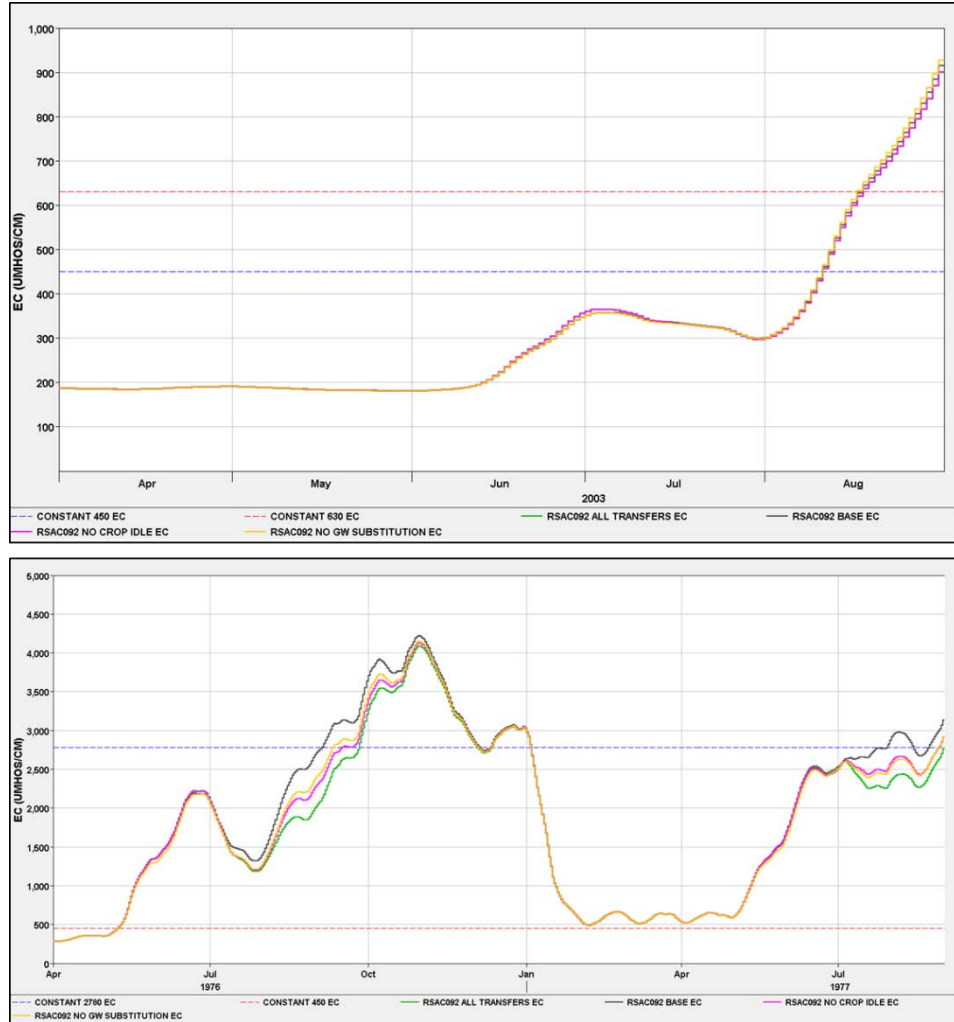


Figure C-17. Comparison of 14-Day Running Average EC at RSAC092 for Selected Time Frames Pertinent to D-1641.

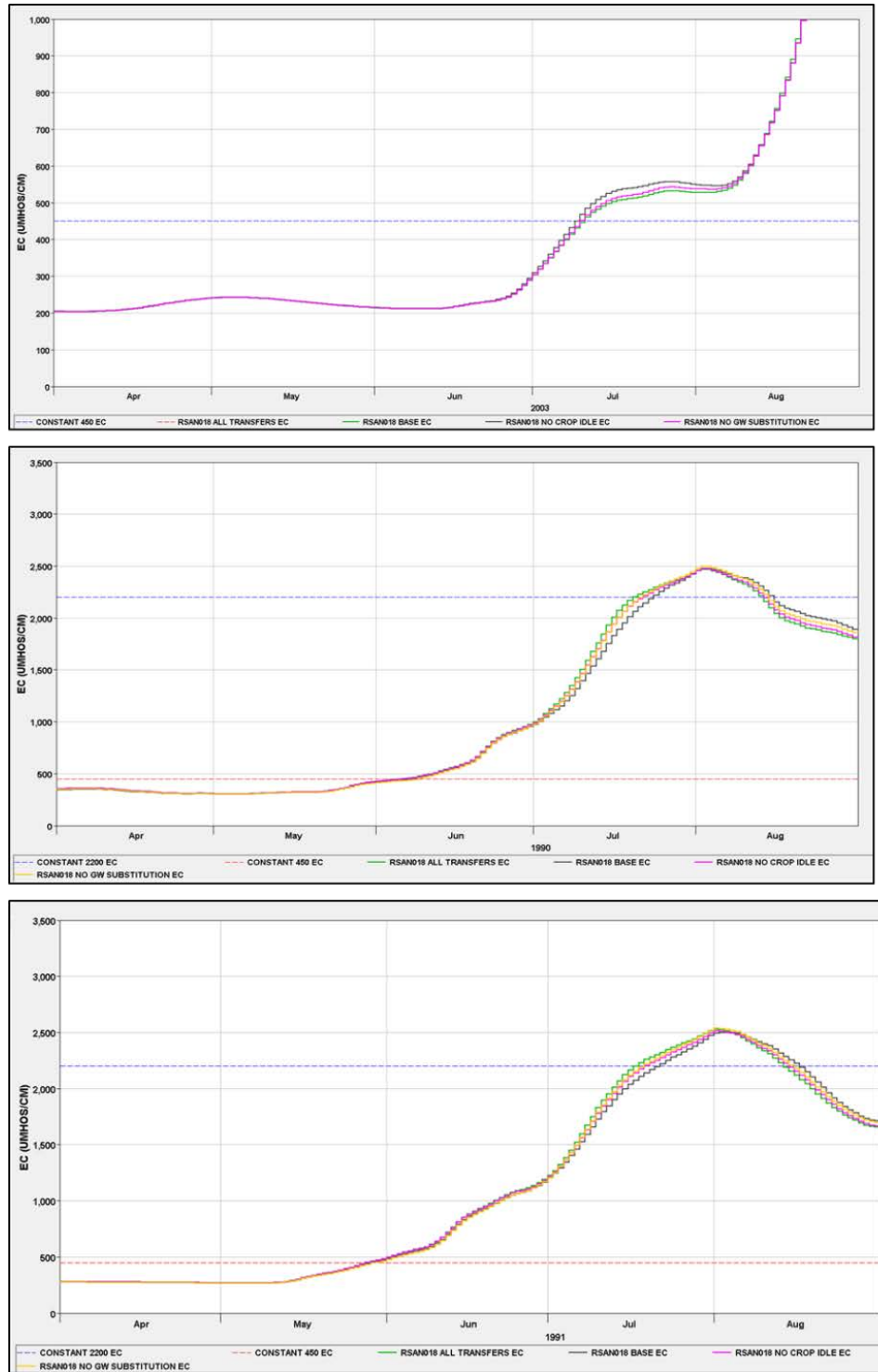


Figure C-18. Comparison of 14-Day Running Average EC at RSAN018 for Selected Time Frames Pertinent to D-1641.

C.9 Comparison of Stage Results

The potential exists for decreases in water level elevation due operational changes in the three Alternative that might affect agricultural withdrawals of water in the south Delta, a conservative estimate of stage changes was calculated as follows at each relevant D-1641 location in HEC DSSVue:

1. the daily minimum stage was calculated for all the Base and three Alternative from the 15-minute model output
2. daily change from Base stage was calculated (Daily Alternative Min Stage – Daily Base Min Stage)
3. monthly average stage was calculated from the results at step 2.
- ~~3.4.~~ overall monthly averages and averages by Water Year type were calculated

Step 2, the difference in daily minimum stage is a conservative estimate of potential decreases in stage since changes in exports and/or inflows can shift the timing of stage potentially resulting in overly optimistic or pessimistic stage differences when calculated with 15-minute output data. As CalSim II model outputs are calculated on a monthly time step and input as boundary conditions for DSM2, the final calculation of stage changes as a monthly average is appropriate.

In addition, there is the potential for stage increases which would be considered a benefit during low flow conditions or during the summer particularly in dry or critical years. To this end, an additional calculation was made in which a conservative estimate of increase in stage was similarly made as:

1. the daily maximum stage was calculated for all the Base and three Alternative from the 15-minute model output
2. daily change from Base stage was calculated (Daily Alternative Max Stage – Daily Base Max Stage)
3. monthly average stage was calculated from the results at step 2.
4. overall monthly maximum and monthly maximum by Water Year type were calculated.

Stage changes were calculated upstream and downstream of agricultural barrier locations in Old and Middle Rivers, in Grant Line Canal, and in three additional locations: Old River near Middle River, Old River near Tracy, and RMID040 in Middle River. Results are shown as monthly average tables of difference in stage (Alternative – Base), with Average monthly results separated by water year type at the bottom of each Table.

A selection of results for ~~three~~ several of these locations ~~are~~ is shown in this section to illustrate the general results. The complete set of stage results is found in the Attachment. The largest differences for stage decrease from Base stage occurred for the All Transfers alternative, as this alternative had the greatest increases over Base exports for SWP and CVP in the south Delta. Figure C-19 shows the monthly averaged minimum daily Base stage calculation and change from minimum Base stage for each the alternatives downstream of the Old River agricultural barrier. This location was chosen for the All Transfers alternative as it had the largest decreases in monthly average of daily minimum stage difference, -0.2 ft., of any of the agricultural barrier locations, as shown in Table C-25. All seven of these occur in July or August of Dry or Critical water years. For the No Crop Idle Alternative, June 1993 had a difference of -0.2 ft. upstream of the barrier in Old River as did July 1987 downstream of this barrier. All other decreases in monthly average of daily minimum stage were -0.1 ft. or less at both the upstream and downstream locations of the Grant Line Canal and Middle River agricultural barrier locations for all of the alternative. The stage difference results in Grant Line Canal upstream of the agricultural barrier are plotted in Figure C-20 for all of the alternatives, and the monthly average results for the All Transfers alternative are shown in Table C-26. Each of Old River near Middle River, Old River near Tracy, and RMID040 in Middle River had exactly one stage decrease of -0.2 ft., occurring in June 1993, an Above Normal water year, for all three of the alternative. These results are shown for the Old River near Middle River location in Figure C-21, and monthly average calculation for the All Transfers alternative in Table C-27.

The results for stage increases highlighted the “No Groundwater Substitution” alternative in both the minimum and maximum stage difference calculations. This Alternative was the only one in which either maximum or minimum stage increased. Table C-28 shows increases maximum stage difference for the location in Middle River (RMID040) in July for several Dry (1981, 2001) and Critical (1992) Water Years. Table C-29 shows an increase in the minimum stage difference for the location at Old River near Middle River (RMID040) in July of 1981, 2001. Note that stage increases for the No Groundwater substitution Alternative are among the smallest of the all the Alternatives, so it is not surprising that stage increases also occur at several locations.

Table C-2525. Difference in Minimum Stage (ft) at Old River Downstream of Barrier for All Transfers minus Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

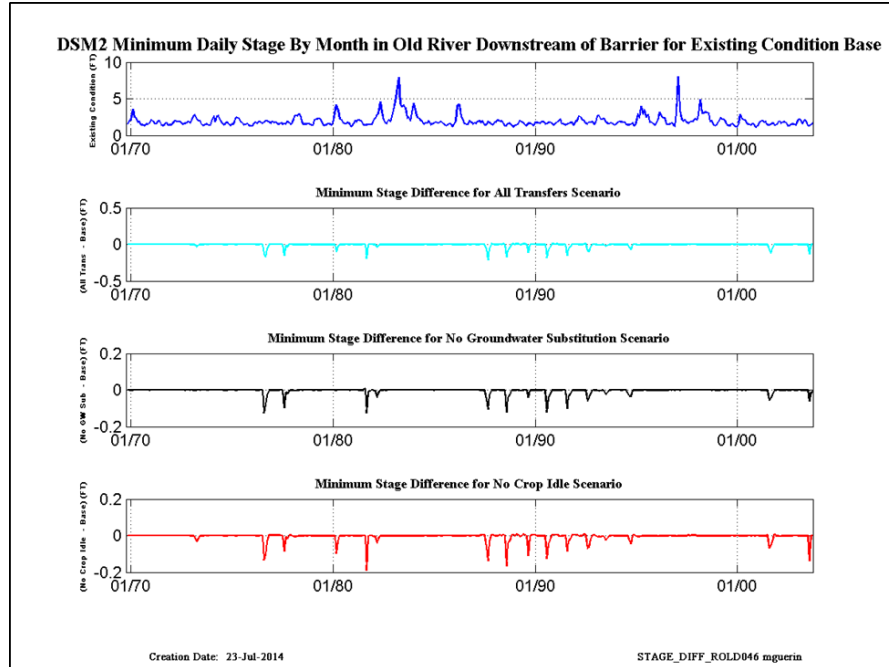


Figure C-19. Minimum stage at Old River Downstream Barrier and Minimum Stage Differences Alternative – Base.

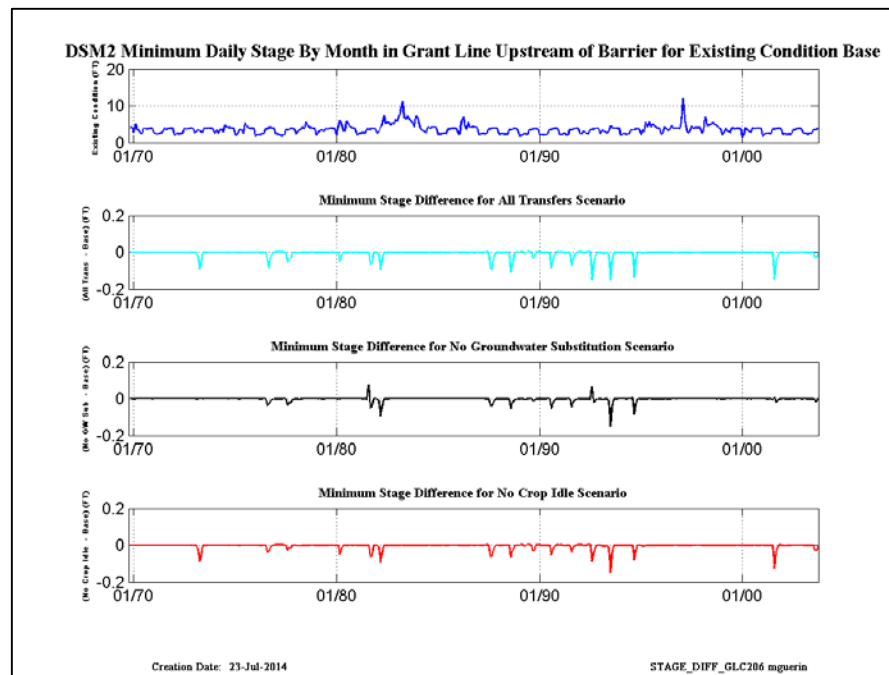


Figure C-20. Minimum Stage At Grant Line Upstream Barrier and Minimum Stage Differences Alternative – Base.

Table C-2626. Difference in Minimum Stage (ft) at Grant Line Canal Upstream of Barrier for All Transfers minus Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-2727. Difference in Minimum Stage (ft) at Old River near Middle River Location for All Transfers Minus Base Alternatives.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

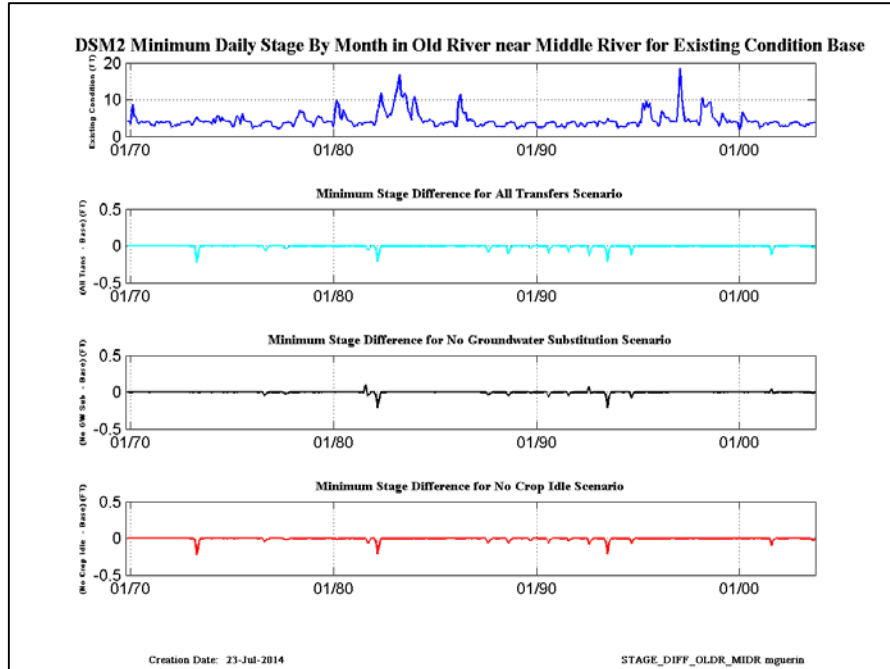


Figure C-21. Minimum Stage at Old River Near Middle River Location and Minimum Stage Differences Alternative – Base.

Table C-28. Difference in Maximum Stage (ft) at the Middle River Location (RMID040) for the No Groundwater Substitution Alternative.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table C-29. Difference in Minimum Stage (ft) at the Middle River Location (RMID040) for the No Groundwater Substitution Alternative.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|------|------|-----|-----|------|-----|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.10 Comparison OF X2 Results

Figure C-22 and Table C-30 illustrate the monthly average and average monthly, respectively, model results for the alternatives for the location of X2 in kilometers (km) from the Golden Gate. Westward changes, negative values, are considered beneficial as higher outflow is thought to expand the volume of habitat region available to fish species. Specification of X2 is part of the D-1641 compliance standards February – June. Changes in inflow and export operations will result in a change in X2 location. According to criteria specified in (SWRCB, 1999), eastward changes in monthly average X2 position (positive values in our analysis) of 1.1 km are not significant in general, and in Critically

Dry years an eastward movement of 3.0 km is not significant. It can be seen in Figure C-22 that changes in X2 are insignificant for each of the alternative, as all monthly average differences are less than 1.1 km. Alternative 3, No Groundwater Substitution, has the smallest differences in comparison with the Base X2 location.

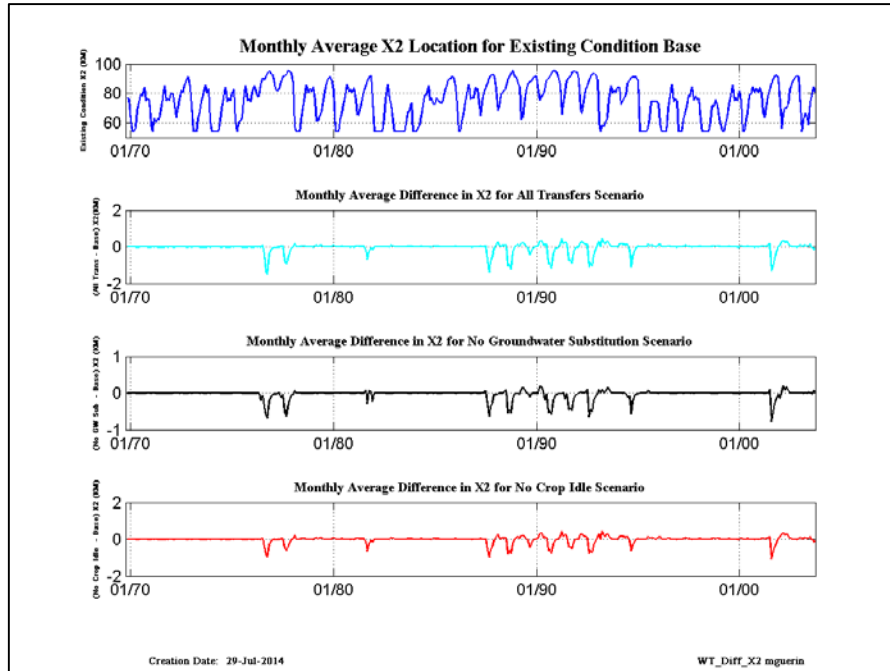


Figure C-22. Monthly Average X2 Location for Existing Condition Base and the Differences Alternative – Base.

Table C-3028. X2 Monthly Average Change from Base Location (km).

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -0.3 | -0.3 |
| Critical | -0.2 | -0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.8 | -1.1 | -1.1 |
| Dry | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.4 | -0.7 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Average | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -0.2 | -0.2 |
| Critical | -0.2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.5 | -0.7 | -0.7 |
| Dry | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.3 | -0.5 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|------|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| Critical | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | -0.6 | -0.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.11 Comparison of OMR results

Under National Marine Fisheries Service and California Fish and Wildlife Service Biological Opinions (BOs), CVP and SWP operations are mandated to maintain exports at levels to minimize entrainment of delta smelt, steelhead, and winter-run salmon between December and June. Entrainment protection is currently met via prescriptions for OMR flow using measurements supplied by the US Geological Survey (USGS). This prescription is called into play when delta smelt are found in locations believed to put them at risk for entrainment. Restrictions to OMR flow, and therefore to export levels, are considered to be an “adaptive management” process in which decisions on changes in Delta operations are made after assessing current conditions and data. The period December – March is used to protect pre-spawning delta smelt adults along with turbidity or export salvage triggers, and the period through June is used to protect larval smelt along with water temperature triggers.

The 15-minute DSM2 flow results at ROLD024 and at RMID015 were daily averaged, added together then smoothed with a 14-day running average – the final step was to monthly average the running average results and then calculate change from Base and percent change between each alternative and the Base alternative. Percent change from Base of the monthly averaged OMR flow for the alternatives was then used to gauge the effect of alternative Delta operations found in the alternatives. Note that negative percent difference numbers indicate that a negative OMR flow in the alternative was smaller in magnitude than the Base.

The change from Base results (Figure C-23) show that all alternative tend to increase the magnitude of negative OMR flow. The December – June percent change from Base values (Table C-31) of OMR flow are similar for the All Transfers and No Crop Idle alternatives, with positive percent changes in April and June of Above Normal water years, while the No Groundwater Substitution alternative has a positive percent change in June of Above Normal water years.

The Biological Opinions (FWS, 2008; NOAA, 2009) prescribing OMR flow values for the protection of delta smelt are complicated by additional triggers used to specify the “adaptive” actions to restrict negative OMR flows, such as turbidity, water temperature, and the presence of delta smelt at certain locations or times.

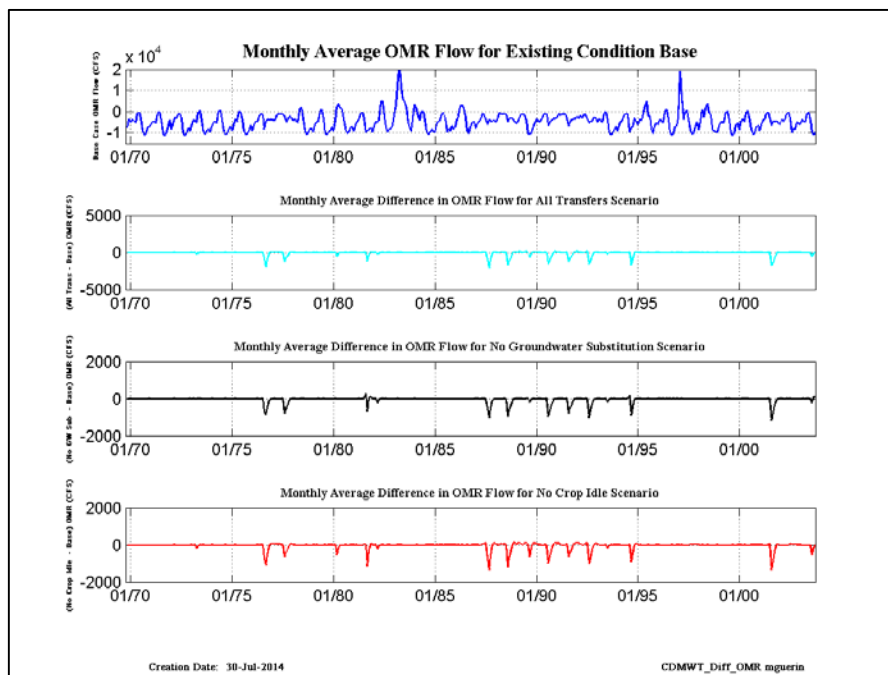


Figure C-23. Monthly Average OMR Flow (Cfs) and Flow Differences Alternative – Base.

Table C-3129. OMR Monthly Average Percent Change from Base Flow (cfs)

Alternative 2 - All Transfers

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| Average | 0.1 | -0.7 | -0.4 | -0.5 | -0.9 | -0.3 | 0.2 | -0.8 | -0.4 | 6.5 | 8.3 | 4.0 |
| Critical | 0.0 | -1.7 | -1.6 | -1.9 | -0.7 | -1.3 | -0.7 | -1.8 | -1.3 | 24.6 | 25.4 | 14.0 |
| Dry | 0.1 | -0.6 | -0.1 | -0.3 | -0.7 | -0.3 | -0.5 | -1.5 | -1.7 | 7.2 | 17.0 | 6.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.5 | -0.9 | -0.2 | 0.0 | -4.0 | -0.1 | 2.5 | -1.2 | 0.7 | 1.0 | 0.2 | 0.0 |
| Wet | 0.0 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 3 – No Crop Idle

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Average | -0.2 | -0.7 | -0.4 | -0.5 | -0.9 | -0.3 | 0.2 | -0.8 | -0.4 | 4.2 | 5.1 | 2.2 |
| Critical | -0.6 | -1.7 | -1.6 | -1.9 | -0.7 | -1.3 | -0.7 | -1.8 | -1.3 | 15.1 | 14.3 | 7.3 |
| Dry | -0.3 | -0.6 | -0.1 | -0.3 | -0.7 | -0.3 | -0.5 | -1.5 | -1.7 | 5.4 | 11.8 | 4.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.9 | -0.2 | 0.0 | -4.0 | -0.1 | 2.5 | -1.2 | 0.7 | 1.0 | 0.2 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Alternative 4 – No Groundwater Substitution

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|
| Average | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | 0.1 | 4.0 | 4.3 | 2.2 |
| Critical | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 13.6 | 8.1 |
| Dry | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 8.7 | 3.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.12 Summary of Results

The Delta Conditions analysis of DSM2 alternatives examined regulated parameters to determine the magnitude of changes to these parameters that could occur if the system operations defined by any of the Alternatives were implemented instead of Base operations. The pertinent parameters are:

- salinity (EC) changes at D-1641 locations
- changes in south Delta stage heights identified in D-1641, as decreases in stage might affect agricultural diversion operations
- changes in the location of X2, the 2 ppt salinity isohaline, as regulated by D-1641
- changes in the magnitude in the combined Old River plus Middle River flow (OMR) December – June as regulated by the NMFS and FWS BOs

Alternative 1 is the Base condition, and all analyses of the regulated parameters for the Alternatives are defined *via* a change from the Base conditions using the “comparative analysis” approach discussed above. The model time span is 09/1969 – 10/2003, i.e., water years 1970 through 2003. As DSM2 boundary conditions are specified as monthly values, defined either by CalSim II or TOM model output, all comparisons are made using either monthly average (one

value per month modeled) or average monthly (one value per month, averaged over the modeled years) calculations.

The Proposed Project, Alternative 2 or the “All Transfers” alternative, has boundary conditions with the greatest changes to Base conditions among the alternatives. Although both the Sacramento and San Joaquin Rivers change under the alternatives, increases in Sacramento River inflow in the months July – September of Critical and Dry water years dominate the changes and are greatest in the All Transfers alternative and smallest in the No Groundwater Substitution alternative, Alternative 3. Export changes are the greatest at the SWP and CVP export locations, as expected, and the increases generally mirror the increases in Sacramento River inflow, although increases in SWP exports end in August while increases in CVP exports end in September. In the other months, exports generally decrease as average monthly values. These results reflect the changes discussed in Appendix B (Water Operations Assessment).

Changes in the EC regime were calculated for each Alternative in comparison with Base at all D-1641 locations, and the entire set of results are compiled in the Attachment to this Appendix. It was found that results at many locations were either small (had average monthly percent differences around +/- 1% or less) or were characteristic of a region (e.g., Suisun Marsh), so they are not discussed in this document. Instead, only those results that reflect general trends or occur at export locations were included herein.

As expected, the All Transfers alternative, the Proposed Project, exhibits the largest increases in EC in July – August of Critical and Dry water years at SWP and CVP export locations, with the No Groundwater Substitution alternative showing the smallest average monthly EC increases over all water years. At these locations, EC decreases in Critical and Dry water years September - December even though exports have increased over Base in September. Note that the EBMUD exports were not covered herein for EC, as only low EC Sacramento River water is exported at this location.

The model results for the three CCWD intake locations are differ by location. The CCWD-Victoria Canal intake location has a different pattern of increases and decreases than the other two locations. In August of Critical water years, Victoria Canal sees a decrease in EC while the other locations saw an increase – this is likely due to the increased flow of low EC Sacramento River water through the DCC and then through Middle River as Victoria Canal is more heavily influenced by DCC operations than the other two locations. The pattern of EC changes at CCWD’s Rock Slough and Old River intake locations is similar to the pattern at the SWP location, with the largest EC increases occurring in July and August of Critical and Dry water years, with Rock Slough showing greater increases than Old River as it receives a greater proportion of water from the Martinez boundary than the Old River location.

In general, the All Transfers alternative sees the largest increases in EC when exports are the greatest, with Critical water years in July seeing the largest percent difference of 4.2% at the SWP location and 3.3 % at the CVP location. In terms of D-1641 criteria for chloride concentration, all export locations regulated by the 250 mg/L standard were in compliance on a monthly average basis – spot checks at SWP showed the compliance was also maintained with daily average chloride. At the Contra Costa Canal location (CCWD’s intake modeled at Rock Slough), the chloride standard was in compliance for the requisite number of days for all alternatives.

At locations RSAN007 and RSAC081, near the confluence of the Sacramento and San Joaquin Rivers, the influence of Sacramento River increases result in EC decreases during the increased export periods. The increases in EC during other periods are less than 2% on an average monthly. RSAN018, Jersey Point, and RSAC092, Emmaton were checked for D-1641 EC compliance and it was found that only in June/July of one Above Normal (2003) and a selection of Critical water years had the potential to violate standards. In comparison with the Base, the potential exists for the Critical water year standards to be exceeded in the Alternatives by EC increases occurring a few days sooner than in the Base, which could be changed with a minor variation in export timing.

Changes in the south Delta stage were calculated for each Alternative in comparison with Base at all D-1641 locations, and discussed only at representative locations - the entire set of results are compiled in the Attachment to this Appendix. Stage changes were assessed via a conservative calculation that compared the monthly average of differences in daily minimum stage. The analyses consider a stage difference of -0.2 ft. to indicate a potentially significant result. Stage decreases were greatest for the Proposed Project/All Transfers alternative at the Old River downstream of agricultural barrier location, but changes of this magnitude only occurred in seven of the 408 months simulated. These decreases occurred in July and August of Dry or Critical water years, when south Delta exports increased in comparison with Base. Monthly average decreases in stage were sparse in all other locations and alternatives, with few instances when stage changes reached -0.2 ft. (e.g., in June 1993 in several locations for each of the alternatives).

Changes in X2 were evaluated as the change from monthly average Base values. The No Groundwater Substitution alternative, Alternative 3, had the smallest changes in X2. According to the criteria specified in (SWRCB, 1999), none of the changes in X2 are considered significant.

The Biological Opinions (FWS, 2008; NOAA, 2009) prescribing December – June OMR flow values for the protection of delta smelt are complicated by additional triggers used to specify the “adaptive” actions to restrict the magnitude of negative OMR flows, such as turbidity, water temperature, and the presence of delta smelt at certain locations or times. These adaptive constraints make it difficult to assess the significance of a change in OMR flow due to the

alternatives. However, all of the Alternatives tend to increase the magnitude of negative OMR flow (positive percent values indicate a result to be avoided). The December – June average monthly percent change from Base values of OMR flow are similar for the All Transfers and No Crop Idle alternatives, with positive percent changes in April and June of Above Normal water years, while the No Groundwater Substitution alternative has a positive percent change in June of Above Normal water years.

C.13 References

- Department of Water Resources of the State of California. 2001. (Internal memorandum, Bob Suits to Paul Hutton). Relationship between EC, bromide and chloride at Delta export locations. May 29, 2001.
- U.S. Fish and Wildlife Service. 2008. Biological Opinion on the Coordinated Operations of the Central Valley Project (CVP) and State Water Project (SWP). Final. December 15, 2008.
- National Oceanic and Atmospheric Administration Fisheries Service. 2009. Biological Opinion on the Long-Term Central Valley Project and State Water Project Operations Criteria and Plan. National Marine Fisheries Service, Southwest Region, Long Beach, CA. June 4, 2009. 844 pp.
- State Water Resources Control Board, 1999. “Final Environmental Impact Report for Implementation of the 1995 Bay/Delta Water Quality Control Plan”.

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Attachment C.1: DSM2 Detailed Model Output and Boundary Conditions

C.1.1 Salinity (EC) Model Output

Model output for EC at each location was calculated for water years 1970 – 200. It is presented here in two basic forms – as Tables and as Figures showing monthly average EC for the Base scenario and change from Base EC, (Scenario – Base). The Tables have several subtypes: monthly average results for water years 1970 – 2003, average monthly results for the average over all water year types and results split by water year type. For each location, the Tables show Base salinity as EC, change from Base EC and percent change from Base EC for each of the three alternative scenarios (i.e., seven tables per location).

Long-Term Water Transfers
Final EIS/EIR

Table 1-1. Martinez Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1970 | 15017.8 | 15341.5 | 5550.8 | 210.8 | 583.9 | 3326.3 | 10070.2 | 13841.5 | 17131.7 | 17836.8 | 19848.6 | 15539.9 |
| 1971 | 15069.8 | 14704.2 | 3807.2 | 2159.7 | 6928.3 | 4818.1 | 6810.6 | 6151.1 | 10434.5 | 16094.3 | 20489.2 | 15603.0 |
| 1972 | 15102.5 | 14743.8 | 17116.6 | 17362.1 | 13256.4 | 7918.8 | 11193.0 | 15234.0 | 18325.4 | 19152.2 | 20962.2 | 22417.0 |
| 1973 | 22847.2 | 20227.0 | 12717.5 | 1381.0 | 522.8 | 1246.7 | 6882.3 | 9675.1 | 14196.2 | 17722.4 | 20416.4 | 19007.8 |
| 1974 | 18806.4 | 5278.9 | 1551.7 | 248.1 | 2730.4 | 428.5 | 731.2 | 5969.6 | 11291.9 | 16170.3 | 19854.3 | 15211.2 |
| 1975 | 15125.4 | 14819.1 | 17454.7 | 19102.2 | 4911.5 | 541.0 | 4864.9 | 5592.2 | 8088.1 | 14693.0 | 20165.6 | 15196.6 |
| 1976 | 14981.4 | 14013.3 | 17058.6 | 19756.7 | 18839.4 | 16861.5 | 16713.6 | 19526.5 | 21934.1 | 22659.3 | 23189.2 | 23809.4 |
| 1977 | 24140.9 | 23811.9 | 23838.1 | 21451.7 | 19105.8 | 19163.4 | 19326.5 | 20901.0 | 22679.3 | 23675.9 | 23963.0 | 24237.1 |
| 1978 | 23909.0 | 23756.1 | 21476.5 | 3366.6 | 1783.4 | 976.2 | 2011.4 | 6017.0 | 11669.6 | 16545.6 | 20472.8 | 19063.6 |
| 1979 | 18577.8 | 18092.4 | 19363.9 | 14219.7 | 5516.1 | 5871.7 | 9372.5 | 9613.8 | 14571.0 | 18830.2 | 21263.5 | 22680.3 |
| 1980 | 22974.2 | 21624.1 | 19511.6 | 1861.2 | 234.7 | 971.7 | 6166.1 | 9483.8 | 13079.2 | 16891.8 | 20485.3 | 19233.6 |
| 1981 | 18590.3 | 18033.2 | 19223.7 | 14941.7 | 9315.7 | 9220.2 | 11522.4 | 15187.2 | 18331.4 | 20742.9 | 22300.8 | 23218.5 |
| 1982 | 23580.8 | 14475.7 | 1097.8 | 728.6 | 366.6 | 521.0 | 219.2 | 2072.6 | 7623.2 | 15067.1 | 20296.5 | 15496.8 |
| 1983 | 12854.9 | 5679.2 | 869.5 | 373.6 | 208.4 | 200.6 | 374.7 | 630.9 | 874.9 | 4438.0 | 10294.5 | 10414.1 |
| 1984 | 13701.5 | 1954.7 | 209.8 | 1143.9 | 3104.7 | 4068.1 | 8348.6 | 12412.3 | 16593.4 | 17651.6 | 19971.4 | 15620.2 |
| 1985 | 15281.8 | 12792.9 | 13096.5 | 15981.3 | 15142.4 | 14464.0 | 13668.3 | 14960.1 | 18381.9 | 20993.7 | 22625.8 | 23098.1 |
| 1986 | 23068.0 | 23262.7 | 20690.2 | 13779.2 | 340.3 | 215.5 | 4978.8 | 9030.3 | 14006.2 | 17829.2 | 20873.9 | 16173.1 |
| 1987 | 15438.8 | 15792.6 | 18630.2 | 19417.6 | 14375.8 | 8988.6 | 13200.6 | 17771.3 | 19479.0 | 20938.2 | 22498.3 | 23444.0 |
| 1988 | 23624.3 | 23370.4 | 19891.4 | 10401.8 | 11454.4 | 16723.6 | 17949.7 | 18770.2 | 20019.9 | 21696.8 | 22940.5 | 23803.4 |
| 1989 | 24174.3 | 23611.7 | 23238.2 | 21839.5 | 20110.8 | 5778.1 | 7331.7 | 13073.5 | 18135.1 | 21242.1 | 21951.2 | 22223.8 |
| 1990 | 22607.7 | 23003.3 | 23116.4 | 18919.4 | 15668.9 | 16480.7 | 17154.1 | 18556.6 | 20825.0 | 23014.9 | 23464.8 | 23752.7 |
| 1991 | 23929.0 | 24096.0 | 24164.9 | 22924.1 | 20850.8 | 8703.8 | 11369.4 | 17874.5 | 21192.3 | 22900.9 | 23386.2 | 23817.1 |
| 1992 | 24040.7 | 24015.1 | 23998.2 | 22958.8 | 9946.2 | 9186.8 | 14095.9 | 18310.5 | 20149.7 | 21797.5 | 23324.1 | 23842.8 |
| 1993 | 23514.0 | 23348.6 | 22440.7 | 4447.7 | 1524.1 | 3789.6 | 3382.9 | 4966.3 | 8355.8 | 14892.9 | 20086.5 | 18513.4 |
| 1994 | 18123.2 | 17960.9 | 19209.7 | 19618.0 | 12933.8 | 14156.6 | 15975.7 | 16726.0 | 19989.5 | 22395.6 | 23262.3 | 23700.5 |
| 1995 | 22913.5 | 22758.0 | 22412.3 | 2017.3 | 2464.1 | 224.0 | 820.3 | 495.9 | 2997.4 | 7687.9 | 14505.4 | 15109.1 |
| 1996 | 14498.9 | 14617.3 | 13411.3 | 4600.9 | 315.0 | 750.3 | 2000.2 | 2099.8 | 10630.2 | 17072.7 | 20478.2 | 14671.2 |
| 1997 | 14696.0 | 14704.1 | 1930.4 | 202.2 | 631.9 | 6065.4 | 9389.3 | 11556.5 | 16297.0 | 17314.7 | 19569.8 | 15595.9 |
| 1998 | 15352.3 | 14605.0 | 15412.1 | 5385.5 | 219.2 | 479.8 | 932.3 | 1242.4 | 820.3 | 5251.7 | 12308.8 | 12446.8 |
| 1999 | 14649.4 | 12204.3 | 7108.5 | 4099.7 | 507.6 | 1136.9 | 4278.5 | 8007.5 | 13094.0 | 17038.4 | 20462.0 | 15206.4 |
| 2000 | 15239.6 | 14518.6 | 17291.1 | 14037.6 | 905.4 | 999.7 | 5982.3 | 9591.7 | 15872.5 | 17978.4 | 19966.8 | 18795.7 |
| 2001 | 18606.3 | 18210.5 | 19306.4 | 17834.6 | 9685.6 | 7693.9 | 11392.5 | 15672.5 | 18500.6 | 20800.0 | 22312.8 | 23190.2 |
| 2002 | 23405.6 | 22909.1 | 12919.1 | 2989.0 | 9051.3 | 11378.4 | 11180.0 | 13260.5 | 18186.2 | 21302.7 | 22494.8 | 23456.6 |
| 2003 | 23382.3 | 23133.3 | 10292.3 | 1695.7 | 6007.8 | 9590.8 | 7074.8 | 3908.6 | 12954.5 | 17619.0 | 20032.7 | 19014.8 |
| Average | 19171.3 | 17513.8 | 14982.6 | 10042.9 | 7045.4 | 6263.0 | 8434.2 | 10828.9 | 14609.1 | 17880.5 | 20603.5 | 19311.9 |
| Critical | 21635.3 | 21467.3 | 21611.1 | 19432.9 | 15542.7 | 14468.1 | 16083.6 | 18666.5 | 20970.0 | 22591.5 | 23361.4 | 23851.9 |
| Dry | 19249.5 | 18558.3 | 17735.7 | 15500.6 | 12946.9 | 9587.2 | 11382.6 | 14987.5 | 18502.4 | 21003.2 | 22364.0 | 23105.2 |
| BN | 16840.2 | 16418.1 | 18240.2 | 15790.9 | 9386.3 | 6895.2 | 10282.7 | 12423.9 | 16448.2 | 18991.2 | 21112.9 | 22548.6 |
| AN | 21977.7 | 21101.3 | 17288.3 | 4465.0 | 1829.7 | 2929.1 | 5250.0 | 7273.8 | 12688.0 | 16941.7 | 20243.4 | 18938.2 |
| Wet | 16871.9 | 13415.8 | 8577.4 | 4157.8 | 1793.2 | 1752.0 | 4139.9 | 6084.8 | 9991.0 | 14165.1 | 18393.7 | 14791.1 |

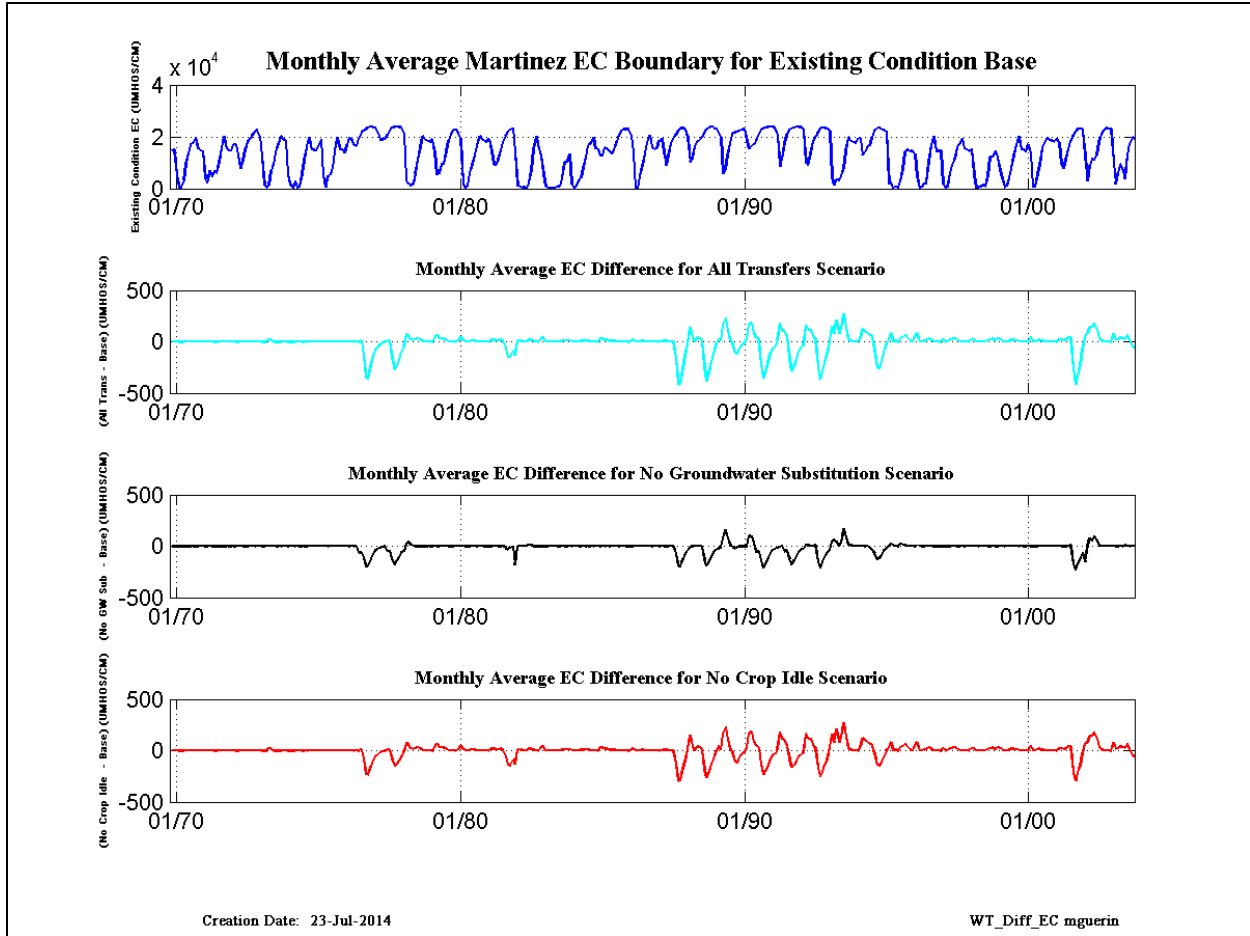


Figure 1-1. Monthly Average Martinez EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-2. Martinez salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 26.7 | 12.5 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | -3.4 | 12.2 | -128.1 | -349.8 | -360.4 |
| 1977 | -233.1 | -138.6 | -80.5 | -53.2 | -26.7 | -9.5 | -3.5 | 4.1 | 10.2 | -151.3 | -270.2 | -234.8 |
| 1978 | -174.5 | -100.9 | -42.2 | 68.2 | 65.1 | 23.1 | 14.2 | 27.5 | 35.7 | 17.1 | 3.3 | 1.3 |
| 1979 | 0.4 | 0.1 | -0.6 | 35.1 | 62.0 | 31.6 | 30.6 | 29.0 | 10.7 | 1.8 | 0.5 | 0.2 |
| 1980 | -0.1 | 11.8 | 43.5 | 13.6 | 1.3 | 2.0 | 9.6 | 14.8 | 6.0 | 0.7 | 0.2 | 0.1 |
| 1981 | 0.0 | 0.0 | -0.3 | 19.7 | 19.2 | 14.4 | 14.6 | 15.4 | 10.0 | -57.1 | -147.2 | -148.8 |
| 1982 | -93.0 | -128.2 | 13.2 | 3.6 | 5.1 | 2.0 | 0.1 | 18.9 | 20.2 | 6.9 | 1.0 | -0.2 |
| 1983 | 35.5 | 44.8 | 3.8 | 0.4 | 0.0 | 0.0 | 0.5 | 1.1 | 1.5 | 6.1 | 12.4 | 14.6 |
| 1984 | 15.2 | 4.2 | 0.0 | 1.6 | 4.6 | 6.1 | 8.7 | 11.6 | 5.7 | 1.3 | 0.3 | 0.1 |
| 1985 | -0.5 | 31.5 | 26.0 | 16.3 | 16.8 | 7.4 | 7.0 | 9.5 | 4.9 | 1.4 | 0.5 | 0.3 |
| 1986 | 0.1 | 0.0 | 9.5 | 16.0 | 0.4 | 0.0 | 3.9 | 6.0 | 2.3 | 0.3 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 3.9 | 8.8 | 8.8 | 3.2 | 0.7 | 5.0 | -163.9 | -416.0 | -412.3 |
| 1988 | -252.0 | -141.0 | -6.5 | 142.0 | 44.1 | 3.7 | 37.1 | 32.4 | 14.8 | -244.9 | -381.5 | -299.7 |
| 1989 | -196.2 | -119.0 | -21.9 | 28.1 | 5.5 | 171.2 | 228.8 | 111.1 | 14.7 | -20.2 | -107.4 | -119.8 |
| 1990 | -65.3 | -31.5 | -16.7 | 35.3 | 176.1 | 180.3 | 82.0 | 43.3 | 34.1 | -213.0 | -356.9 | -300.2 |
| 1991 | -204.9 | -113.6 | -66.0 | -43.9 | 15.2 | 183.1 | 115.7 | 89.7 | 53.3 | -157.5 | -285.8 | -239.3 |
| 1992 | -163.0 | -92.4 | -54.8 | -38.7 | 158.8 | 120.6 | 112.7 | 57.9 | 23.9 | -240.0 | -362.4 | -290.3 |
| 1993 | -199.1 | -110.2 | 8.8 | 154.7 | 79.0 | 216.4 | 76.3 | 135.6 | 274.9 | 128.5 | 19.1 | 7.3 |
| 1994 | 2.4 | 0.7 | -0.5 | 38.4 | 124.7 | 99.0 | 81.6 | 66.3 | 52.9 | -75.9 | -250.7 | -260.3 |
| 1995 | -188.6 | -98.1 | -18.8 | 27.5 | 84.8 | 1.5 | 6.0 | -1.1 | 39.6 | 47.6 | 60.9 | 36.4 |
| 1996 | 5.8 | 0.1 | 53.8 | 83.3 | 2.3 | 3.2 | 10.0 | 10.4 | 31.1 | 19.0 | 4.0 | 1.5 |
| 1997 | 0.3 | -3.1 | 21.4 | 0.0 | 1.9 | 20.3 | 29.8 | 31.5 | 14.6 | 3.4 | 0.7 | 0.3 |
| 1998 | 0.0 | -0.3 | 21.0 | 24.8 | 0.1 | 1.2 | 2.9 | 3.8 | 2.0 | 11.0 | 22.5 | 27.9 |
| 1999 | 9.5 | 37.8 | 26.4 | 9.2 | 0.9 | 2.4 | 9.6 | 15.8 | 19.7 | 10.2 | 2.2 | 0.9 |
| 2000 | 0.1 | 0.0 | -0.8 | 48.2 | 6.1 | 4.6 | 12.3 | 16.8 | 7.3 | 1.5 | 0.4 | 0.1 |
| 2001 | 0.0 | 0.0 | -0.2 | 17.7 | 23.1 | 13.9 | 16.0 | 42.5 | 38.8 | -262.7 | -411.9 | -334.5 |
| 2002 | -217.8 | -73.0 | 51.8 | 77.8 | 144.6 | 145.3 | 178.8 | 116.2 | 34.1 | 9.0 | 3.5 | 1.5 |
| 2003 | 0.8 | -1.2 | 78.9 | 16.9 | 23.0 | 38.0 | 32.7 | 26.3 | 64.0 | 12.2 | -43.4 | -62.4 |
| | | | | | | | | | | | | |
| Average | -56.4 | -30.0 | 1.4 | 22.0 | 30.8 | 38.7 | 33.4 | 27.4 | 24.8 | -42.3 | -95.6 | -87.4 |
| Critical | -130.8 | -73.8 | -32.1 | 11.4 | 70.3 | 82.5 | 61.0 | 41.5 | 28.8 | -173.0 | -322.5 | -283.6 |
| Dry | -69.1 | -26.8 | 9.2 | 27.2 | 36.3 | 60.2 | 74.7 | 49.2 | 17.9 | -82.3 | -179.7 | -168.9 |
| BN | 0.2 | 0.1 | -0.3 | 17.5 | 31.0 | 15.8 | 15.3 | 14.5 | 5.4 | 0.9 | 0.3 | 0.1 |
| AN | -62.1 | -33.4 | 14.7 | 50.3 | 29.1 | 51.8 | 26.2 | 36.7 | 64.6 | 26.7 | -3.4 | -8.9 |
| Wet | -16.5 | -11.0 | 10.0 | 12.8 | 7.7 | 2.8 | 5.5 | 7.5 | 10.5 | 8.1 | 8.0 | 6.3 |

Table 1-3. Martinez salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|-----|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -1.5 | -1.5 |
| 1977 | -1.0 | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.1 | -1.0 |
| 1978 | -0.7 | -0.4 | -0.2 | 2.0 | 3.7 | 2.4 | 0.7 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.2 | 1.1 | 0.5 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.2 | 0.7 | 0.6 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.3 | -0.7 | -0.6 |
| 1982 | -0.4 | -0.9 | 1.2 | 0.5 | 1.4 | 0.4 | 0.1 | 0.9 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.3 | 0.8 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1984 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.8 | -1.8 | -1.8 |
| 1988 | -1.1 | -0.6 | 0.0 | 1.4 | 0.4 | 0.0 | 0.2 | 0.2 | 0.1 | -1.1 | -1.7 | -1.3 |
| 1989 | -0.8 | -0.5 | -0.1 | 0.1 | 0.0 | 3.0 | 3.1 | 0.8 | 0.1 | -0.1 | -0.5 | -0.5 |
| 1990 | -0.3 | -0.1 | -0.1 | 0.2 | 1.1 | 1.1 | 0.5 | 0.2 | 0.2 | -0.9 | -1.5 | -1.3 |
| 1991 | -0.9 | -0.5 | -0.3 | -0.2 | 0.1 | 2.1 | 1.0 | 0.5 | 0.3 | -0.7 | -1.2 | -1.0 |
| 1992 | -0.7 | -0.4 | -0.2 | -0.2 | 1.6 | 1.3 | 0.8 | 0.3 | 0.1 | -1.1 | -1.6 | -1.2 |
| 1993 | -0.8 | -0.5 | 0.0 | 3.5 | 5.2 | 5.7 | 2.3 | 2.7 | 3.3 | 0.9 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 0.7 | 0.5 | 0.4 | 0.3 | -0.3 | -1.1 | -1.1 |
| 1995 | -0.8 | -0.4 | -0.1 | 1.4 | 3.4 | 0.7 | 0.7 | -0.2 | 1.3 | 0.6 | 0.4 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.4 | 1.8 | 0.7 | 0.4 | 0.5 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 1.1 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1999 | 0.1 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 0.5 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 | -1.3 | -1.8 | -1.4 |
| 2002 | -0.9 | -0.3 | 0.4 | 2.6 | 1.6 | 1.3 | 1.6 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.8 | 1.0 | 0.4 | 0.4 | 0.5 | 0.7 | 0.5 | 0.1 | -0.2 | -0.3 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.1 | 0.5 | 0.7 | 0.7 | 0.4 | 0.3 | 0.2 | -0.2 | -0.4 | -0.4 |
| Critical | -0.5 | -0.3 | -0.1 | 0.2 | 0.6 | 0.7 | 0.4 | 0.2 | 0.1 | -0.8 | -1.4 | -1.2 |
| Dry | -0.3 | -0.1 | 0.1 | 0.5 | 0.4 | 0.8 | 0.8 | 0.4 | 0.1 | -0.4 | -0.8 | -0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.3 | -0.1 | 0.1 | 1.3 | 1.7 | 1.9 | 0.7 | 0.7 | 0.7 | 0.2 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.3 | 0.4 | 0.5 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-4. Martinez salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|-------|-------|------|-------|-------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | -61.1 | -60.9 | -115.0 | -200.9 | -186.6 |
| 1977 | -121.1 | -72.8 | -42.5 | -28.5 | -14.0 | -5.1 | -0.8 | -47.7 | -48.3 | -118.2 | -177.1 | -146.5 |
| 1978 | -107.8 | -62.7 | -45.8 | 23.0 | 47.7 | 10.5 | 0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | -2.8 | -0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | -23.3 | -30.9 | -12.2 |
| 1982 | -2.5 | -177.8 | -2.8 | 0.8 | 4.2 | 0.5 | 0.0 | 13.5 | 5.7 | -0.1 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 3.6 | -75.2 | -196.0 | -196.9 |
| 1988 | -123.1 | -69.0 | -45.1 | -13.4 | -0.7 | 0.0 | 0.0 | 0.7 | 4.2 | -129.2 | -192.4 | -146.6 |
| 1989 | -97.8 | -59.4 | -35.0 | -20.5 | -13.9 | 81.1 | 159.7 | 81.8 | 10.6 | -14.6 | -20.9 | -9.4 |
| 1990 | -4.2 | -2.1 | -1.1 | -2.6 | 96.1 | 92.8 | 33.7 | -55.6 | -54.6 | -146.0 | -211.5 | -168.7 |
| 1991 | -113.7 | -63.6 | -37.4 | -24.7 | -14.7 | -4.9 | 0.6 | -51.1 | -44.8 | -121.3 | -177.6 | -140.3 |
| 1992 | -94.7 | -54.2 | -32.4 | -21.2 | 15.7 | 6.8 | 0.2 | 0.6 | 6.0 | -155.9 | -210.3 | -153.4 |
| 1993 | -105.7 | -58.7 | -39.3 | 52.4 | 57.1 | 38.1 | 4.7 | 30.6 | 175.0 | 92.9 | 13.7 | 5.2 |
| 1994 | 1.6 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.3 | -17.3 | -35.4 | -69.9 | -127.2 | -117.9 |
| 1995 | -80.8 | -41.9 | -24.1 | 1.9 | 25.8 | 0.4 | 0.1 | -3.7 | 21.5 | 10.3 | 5.7 | 3.8 |
| 1996 | 0.6 | 0.1 | -0.5 | 9.9 | 0.3 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 6.0 | -175.2 | -233.3 | -166.7 |
| 2002 | -109.3 | -59.8 | -146.7 | 14.9 | 80.3 | 54.3 | 101.6 | 54.2 | 6.8 | 1.9 | 0.7 | 0.3 |
| 2003 | 0.2 | 0.1 | 0.1 | -0.9 | -0.3 | 0.0 | -0.3 | 8.1 | 4.0 | -1.4 | 0.7 | 0.5 |
| | | | | | | | | | | | | |
| Average | -28.2 | -21.2 | -13.3 | -0.3 | 8.3 | 8.1 | 8.9 | -1.3 | 0.0 | -30.6 | -51.7 | -42.2 |
| Critical | -65.0 | -37.3 | -22.6 | -12.9 | 11.8 | 12.8 | 5.0 | -33.1 | -33.4 | -122.2 | -185.3 | -151.4 |
| Dry | -34.5 | -19.9 | -30.3 | -0.9 | 11.1 | 22.6 | 43.5 | 22.9 | 4.6 | -47.7 | -80.1 | -64.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | -1.4 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -35.6 | -20.2 | -14.2 | 12.4 | 17.4 | 8.1 | 0.8 | 6.4 | 29.8 | 15.3 | 2.4 | 0.9 |
| Wet | -6.4 | -16.9 | -2.1 | 1.0 | 2.3 | 0.1 | 0.0 | 0.8 | 2.1 | 0.8 | 0.4 | 0.3 |

Table 1-5. Martinez salinity (EC) difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | -0.5 | -0.9 | -0.8 |
| 1977 | -0.5 | -0.3 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | -0.2 | -0.2 | -0.5 | -0.7 | -0.6 |
| 1978 | -0.5 | -0.3 | -0.2 | 0.7 | 2.7 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| 1982 | 0.0 | -1.2 | -0.3 | 0.1 | 1.1 | 0.1 | 0.0 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.9 | -0.8 |
| 1988 | -0.5 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.8 | -0.6 |
| 1989 | -0.4 | -0.3 | -0.2 | -0.1 | -0.1 | 1.4 | 2.2 | 0.6 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.2 | -0.3 | -0.3 | -0.6 | -0.9 | -0.7 |
| 1991 | -0.5 | -0.3 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | -0.3 | -0.2 | -0.5 | -0.8 | -0.6 |
| 1992 | -0.4 | -0.2 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.7 | -0.9 | -0.6 |
| 1993 | -0.4 | -0.3 | -0.2 | 1.2 | 3.7 | 1.0 | 0.1 | 0.6 | 2.1 | 0.6 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.3 | -0.5 | -0.5 |
| 1995 | -0.4 | -0.2 | -0.1 | 0.1 | 1.0 | 0.2 | 0.0 | -0.7 | 0.7 | 0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -1.0 | -0.7 |
| 2002 | -0.5 | -0.3 | -1.1 | 0.5 | 0.9 | 0.5 | 0.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | -0.1 | -0.1 | 0.1 | 0.3 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.2 | -0.2 |
| Critical | -0.3 | -0.2 | -0.1 | -0.1 | 0.1 | 0.1 | 0.0 | -0.2 | -0.2 | -0.5 | -0.8 | -0.6 |
| Dry | -0.1 | -0.1 | -0.2 | 0.1 | 0.1 | 0.3 | 0.5 | 0.2 | 0.0 | -0.2 | -0.4 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -0.1 | -0.1 | 0.3 | 1.1 | 0.3 | 0.0 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 |
| Wet | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-6. Martinez salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 26.7 | 12.5 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | -0.6 | 14.1 | -85.8 | -229.1 | -235.3 |
| 1977 | -155.3 | -92.7 | -54.0 | -35.7 | -18.0 | -6.4 | -2.4 | 7.6 | 11.2 | -78.9 | -148.5 | -133.5 |
| 1978 | -100.6 | -58.5 | -13.7 | 73.9 | 65.1 | 23.1 | 14.2 | 27.5 | 35.7 | 17.1 | 3.4 | 1.3 |
| 1979 | 0.4 | 0.1 | -0.6 | 35.1 | 62.0 | 31.6 | 30.6 | 29.0 | 10.7 | 1.8 | 0.5 | 0.2 |
| 1980 | -0.1 | 11.8 | 43.5 | 13.6 | 1.3 | 2.0 | 9.6 | 14.8 | 6.0 | 0.7 | 0.2 | 0.1 |
| 1981 | 0.0 | 0.1 | -0.3 | 19.7 | 19.2 | 14.4 | 14.6 | 15.4 | 9.8 | -50.2 | -140.2 | -145.5 |
| 1982 | -90.7 | -126.7 | 13.2 | 3.6 | 5.1 | 2.0 | 0.1 | 18.9 | 20.2 | 6.9 | 1.0 | -0.2 |
| 1983 | 35.5 | 44.8 | 3.8 | 0.4 | 0.0 | 0.0 | 0.5 | 1.1 | 1.5 | 6.1 | 12.4 | 14.6 |
| 1984 | 15.2 | 4.2 | 0.0 | 1.6 | 4.6 | 6.1 | 8.7 | 11.6 | 5.7 | 1.3 | 0.3 | 0.1 |
| 1985 | -0.5 | 31.5 | 26.0 | 16.3 | 16.8 | 7.4 | 7.0 | 9.5 | 4.9 | 1.4 | 0.5 | 0.3 |
| 1986 | 0.1 | 0.0 | 9.5 | 16.0 | 0.4 | 0.0 | 3.9 | 6.0 | 2.3 | 0.3 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 3.9 | 8.8 | 8.8 | 3.2 | 0.5 | 3.6 | -126.9 | -296.0 | -285.4 |
| 1988 | -175.6 | -99.2 | 20.3 | 150.1 | 44.5 | 3.8 | 37.1 | 32.1 | 12.7 | -179.7 | -264.6 | -198.9 |
| 1989 | -131.9 | -80.5 | 0.5 | 41.2 | 12.2 | 172.7 | 228.8 | 111.1 | 14.7 | -20.2 | -107.3 | -119.8 |
| 1990 | -65.3 | -31.5 | -16.7 | 35.3 | 176.1 | 180.3 | 82.0 | 46.3 | 34.7 | -130.6 | -229.8 | -197.9 |
| 1991 | -136.8 | -76.3 | -44.1 | -29.6 | 23.6 | 186.0 | 115.7 | 93.1 | 54.4 | -79.6 | -161.5 | -140.7 |
| 1992 | -97.5 | -55.4 | -32.9 | -24.8 | 165.8 | 120.9 | 112.7 | 57.7 | 21.2 | -163.1 | -250.8 | -201.5 |
| 1993 | -137.5 | -76.7 | 28.3 | 160.1 | 79.0 | 216.4 | 76.3 | 135.6 | 274.9 | 128.5 | 19.1 | 7.3 |
| 1994 | 2.4 | 0.7 | -0.5 | 38.4 | 124.7 | 99.0 | 81.6 | 66.6 | 52.6 | -30.3 | -139.0 | -151.3 |
| 1995 | -114.0 | -60.2 | 1.2 | 30.2 | 84.8 | 1.5 | 6.0 | -1.1 | 39.6 | 47.6 | 60.9 | 36.4 |
| 1996 | 5.8 | 0.1 | 53.8 | 83.3 | 2.3 | 3.2 | 10.0 | 10.4 | 31.1 | 19.0 | 4.0 | 1.5 |
| 1997 | 0.3 | -3.1 | 21.4 | 0.0 | 1.9 | 20.3 | 29.8 | 31.5 | 14.6 | 3.4 | 0.7 | 0.3 |
| 1998 | 0.0 | -0.3 | 21.0 | 24.8 | 0.1 | 1.2 | 2.9 | 3.8 | 2.0 | 11.0 | 22.5 | 27.9 |
| 1999 | 9.5 | 37.8 | 26.4 | 9.2 | 0.9 | 2.4 | 9.6 | 15.8 | 19.7 | 10.2 | 2.2 | 0.9 |
| 2000 | 0.1 | 0.0 | -0.8 | 48.2 | 6.1 | 4.6 | 12.3 | 16.8 | 7.3 | 1.5 | 0.4 | 0.1 |
| 2001 | 0.0 | 0.0 | -0.2 | 17.7 | 23.1 | 13.9 | 16.0 | 42.1 | 36.1 | -208.9 | -289.4 | -216.2 |
| 2002 | -144.5 | -32.7 | 74.4 | 78.6 | 144.6 | 145.3 | 178.8 | 116.2 | 34.1 | 9.0 | 3.5 | 1.5 |
| 2003 | 0.8 | -1.2 | 78.9 | 16.9 | 23.0 | 38.0 | 32.7 | 26.3 | 64.0 | 12.2 | -43.4 | -62.4 |
| | | | | | | | | | | | | |
| Average | -37.6 | -19.5 | 7.6 | 24.4 | 31.7 | 39.0 | 33.4 | 27.8 | 24.7 | -25.8 | -63.8 | -58.7 |
| Critical | -89.7 | -50.6 | -18.3 | 19.1 | 73.8 | 83.4 | 61.1 | 43.3 | 28.7 | -106.9 | -203.3 | -179.9 |
| Dry | -46.1 | -13.6 | 16.7 | 29.5 | 37.5 | 60.4 | 74.7 | 49.1 | 17.2 | -66.0 | -138.2 | -127.5 |
| BN | 0.2 | 0.1 | -0.3 | 17.5 | 31.0 | 15.8 | 15.3 | 14.5 | 5.4 | 0.9 | 0.3 | 0.1 |
| AN | -39.5 | -20.8 | 22.7 | 52.1 | 29.1 | 51.8 | 26.2 | 36.7 | 64.6 | 26.7 | -3.4 | -8.9 |
| Wet | -10.6 | -8.0 | 11.6 | 13.0 | 7.7 | 2.8 | 5.5 | 7.5 | 10.5 | 8.1 | 8.0 | 6.3 |

Table 1-7. Martinez salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|-----|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -1.0 | -1.0 |
| 1977 | -0.6 | -0.4 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 | -0.6 |
| 1978 | -0.4 | -0.2 | -0.1 | 2.2 | 3.7 | 2.4 | 0.7 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.2 | 1.1 | 0.5 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.2 | 0.7 | 0.6 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.2 | -0.6 | -0.6 |
| 1982 | -0.4 | -0.9 | 1.2 | 0.5 | 1.4 | 0.4 | 0.1 | 0.9 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.3 | 0.8 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1984 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.6 | -1.3 | -1.2 |
| 1988 | -0.7 | -0.4 | 0.1 | 1.4 | 0.4 | 0.0 | 0.2 | 0.2 | 0.1 | -0.8 | -1.2 | -0.8 |
| 1989 | -0.5 | -0.3 | 0.0 | 0.2 | 0.1 | 3.0 | 3.1 | 0.8 | 0.1 | -0.1 | -0.5 | -0.5 |
| 1990 | -0.3 | -0.1 | -0.1 | 0.2 | 1.1 | 1.1 | 0.5 | 0.2 | 0.2 | -0.6 | -1.0 | -0.8 |
| 1991 | -0.6 | -0.3 | -0.2 | -0.1 | 0.1 | 2.1 | 1.0 | 0.5 | 0.3 | -0.3 | -0.7 | -0.6 |
| 1992 | -0.4 | -0.2 | -0.1 | -0.1 | 1.7 | 1.3 | 0.8 | 0.3 | 0.1 | -0.7 | -1.1 | -0.8 |
| 1993 | -0.6 | -0.3 | 0.1 | 3.6 | 5.2 | 5.7 | 2.3 | 2.7 | 3.3 | 0.9 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 0.7 | 0.5 | 0.4 | 0.3 | -0.1 | -0.6 | -0.6 |
| 1995 | -0.5 | -0.3 | 0.0 | 1.5 | 3.4 | 0.7 | 0.7 | -0.2 | 1.3 | 0.6 | 0.4 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.4 | 1.8 | 0.7 | 0.4 | 0.5 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 1.1 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1999 | 0.1 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 0.5 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 | -1.0 | -1.3 | -0.9 |
| 2002 | -0.6 | -0.1 | 0.6 | 2.6 | 1.6 | 1.3 | 1.6 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.8 | 1.0 | 0.4 | 0.4 | 0.5 | 0.7 | 0.5 | 0.1 | -0.2 | -0.3 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.1 | 0.5 | 0.7 | 0.7 | 0.4 | 0.3 | 0.2 | -0.1 | -0.3 | -0.2 |
| Critical | -0.4 | -0.2 | -0.1 | 0.2 | 0.6 | 0.7 | 0.4 | 0.2 | 0.1 | -0.5 | -0.9 | -0.8 |
| Dry | -0.2 | 0.0 | 0.1 | 0.5 | 0.4 | 0.8 | 0.8 | 0.4 | 0.1 | -0.3 | -0.6 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.1 | 0.2 | 1.3 | 1.7 | 1.9 | 0.7 | 0.7 | 0.7 | 0.2 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.3 | 0.4 | 0.5 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-8. CCWD Contra Costa Canal Intake (CHCCC006) Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|-------|
| 1970 | 321.1 | 268.7 | 261.2 | 464.0 | 308.8 | 285.4 | 338.1 | 391.8 | 290.1 | 279.8 | 345.0 | 670.4 |
| 1971 | 338.9 | 302.6 | 299.6 | 276.4 | 264.4 | 290.8 | 355.6 | 399.1 | 267.5 | 244.3 | 387.7 | 717.8 |
| 1972 | 330.6 | 283.8 | 274.4 | 473.6 | 408.1 | 354.5 | 364.0 | 399.2 | 304.7 | 350.4 | 479.3 | 802.8 |
| 1973 | 893.9 | 1027.6 | 638.3 | 545.6 | 483.4 | 385.0 | 384.3 | 425.9 | 287.3 | 264.8 | 385.8 | 534.5 |
| 1974 | 294.6 | 322.2 | 285.5 | 308.7 | 288.9 | 285.9 | 323.3 | 393.5 | 289.4 | 249.0 | 325.2 | 524.1 |
| 1975 | 356.4 | 294.7 | 284.5 | 564.2 | 437.8 | 393.4 | 356.4 | 400.1 | 280.9 | 248.5 | 322.9 | 587.9 |
| 1976 | 363.8 | 271.2 | 260.7 | 528.9 | 547.1 | 458.6 | 386.5 | 401.6 | 460.6 | 637.5 | 934.1 | 741.4 |
| 1977 | 863.1 | 904.0 | 859.3 | 1158.2 | 701.6 | 473.9 | 421.5 | 393.9 | 492.5 | 605.3 | 739.5 | 979.8 |
| 1978 | 1061.2 | 827.3 | 888.6 | 642.9 | 468.3 | 440.1 | 403.4 | 333.7 | 285.7 | 257.9 | 378.7 | 511.9 |
| 1979 | 292.0 | 324.6 | 378.9 | 884.2 | 440.6 | 357.4 | 367.1 | 402.6 | 284.2 | 321.1 | 545.8 | 808.5 |
| 1980 | 939.1 | 787.7 | 710.4 | 547.2 | 697.2 | 518.2 | 334.5 | 399.3 | 314.0 | 259.2 | 340.9 | 498.9 |
| 1981 | 299.0 | 283.3 | 439.6 | 789.3 | 368.2 | 305.7 | 395.7 | 406.7 | 306.7 | 442.6 | 705.7 | 812.8 |
| 1982 | 987.0 | 917.1 | 325.6 | 487.5 | 329.0 | 414.3 | 328.0 | 242.7 | 245.0 | 256.9 | 292.9 | 375.8 |
| 1983 | 234.9 | 321.3 | 359.8 | 672.4 | 575.8 | 583.4 | 391.2 | 276.5 | 260.9 | 292.4 | 244.7 | 212.6 |
| 1984 | 223.6 | 283.5 | 348.7 | 360.3 | 307.5 | 274.9 | 348.2 | 412.2 | 286.0 | 280.3 | 338.8 | 603.3 |
| 1985 | 376.3 | 322.5 | 254.2 | 283.3 | 296.2 | 320.2 | 400.3 | 396.0 | 302.0 | 446.2 | 689.7 | 784.3 |
| 1986 | 879.6 | 736.6 | 996.4 | 583.9 | 666.0 | 722.6 | 395.7 | 327.4 | 291.9 | 271.1 | 391.0 | 393.4 |
| 1987 | 242.6 | 257.9 | 281.5 | 631.7 | 443.5 | 397.2 | 432.4 | 394.7 | 314.1 | 357.0 | 493.7 | 566.1 |
| 1988 | 745.3 | 717.1 | 772.2 | 461.4 | 423.4 | 461.2 | 403.5 | 395.0 | 352.6 | 366.7 | 591.0 | 650.7 |
| 1989 | 803.3 | 937.6 | 866.0 | 1104.9 | 732.4 | 511.4 | 399.7 | 326.0 | 263.2 | 506.1 | 808.6 | 778.9 |
| 1990 | 738.4 | 758.8 | 788.0 | 833.6 | 414.7 | 320.9 | 344.0 | 333.0 | 355.6 | 579.7 | 884.3 | 785.1 |
| 1991 | 929.2 | 939.1 | 1009.0 | 1012.1 | 680.4 | 525.6 | 445.5 | 374.3 | 365.7 | 642.0 | 902.1 | 757.5 |
| 1992 | 883.8 | 906.2 | 922.1 | 1014.5 | 775.5 | 442.9 | 379.7 | 356.6 | 324.2 | 388.6 | 660.7 | 784.0 |
| 1993 | 856.7 | 692.8 | 839.7 | 774.0 | 552.5 | 408.3 | 427.5 | 439.3 | 294.9 | 238.4 | 366.2 | 508.7 |
| 1994 | 282.3 | 353.8 | 431.4 | 875.0 | 558.2 | 385.1 | 358.0 | 341.2 | 334.0 | 620.0 | 1013.0 | 851.4 |
| 1995 | 944.8 | 614.5 | 760.9 | 802.7 | 362.1 | 489.2 | 431.6 | 245.3 | 234.5 | 293.1 | 233.3 | 216.8 |
| 1996 | 222.2 | 236.4 | 277.8 | 527.9 | 895.5 | 628.3 | 389.9 | 386.6 | 286.0 | 259.3 | 418.9 | 697.9 |
| 1997 | 340.7 | 272.0 | 398.1 | 536.3 | 328.0 | 296.3 | 331.6 | 411.1 | 298.2 | 278.2 | 324.5 | 596.9 |
| 1998 | 354.2 | 297.3 | 261.5 | 527.2 | 1368.3 | 844.8 | 313.3 | 265.2 | 248.0 | 299.1 | 245.7 | 216.4 |
| 1999 | 222.0 | 265.0 | 230.1 | 327.7 | 332.0 | 291.4 | 346.7 | 405.1 | 275.4 | 255.1 | 390.5 | 706.9 |
| 2000 | 358.0 | 274.0 | 273.1 | 578.1 | 661.9 | 440.8 | 350.3 | 417.7 | 293.7 | 282.1 | 341.1 | 534.2 |
| 2001 | 330.5 | 318.7 | 363.0 | 764.4 | 450.6 | 361.8 | 397.0 | 421.9 | 313.3 | 339.1 | 484.5 | 548.7 |
| 2002 | 724.9 | 713.5 | 873.2 | 394.9 | 299.0 | 296.9 | 362.6 | 450.7 | 327.1 | 501.7 | 745.2 | 752.5 |
| 2003 | 983.1 | 741.1 | 759.5 | 337.5 | 318.0 | 284.0 | 332.6 | 400.8 | 262.2 | 280.3 | 388.6 | 554.5 |
| | | | | | | | | | | | | |
| Average | 559.3 | 522.8 | 528.6 | 619.8 | 505.4 | 419.1 | 374.7 | 375.5 | 305.6 | 358.6 | 504.1 | 619.6 |
| Critical | 686.6 | 692.9 | 720.4 | 840.5 | 585.8 | 438.3 | 391.3 | 370.8 | 383.6 | 548.5 | 817.8 | 792.8 |
| Dry | 462.8 | 472.3 | 512.9 | 661.4 | 431.6 | 365.5 | 398.0 | 399.3 | 304.4 | 432.1 | 654.6 | 707.2 |
| BN | 311.3 | 304.2 | 326.6 | 678.9 | 424.4 | 355.9 | 365.6 | 400.9 | 294.4 | 335.8 | 512.6 | 805.6 |
| AN | 848.6 | 725.1 | 684.9 | 570.9 | 530.2 | 412.7 | 372.1 | 402.8 | 289.6 | 263.8 | 366.9 | 523.8 |
| Wet | 440.0 | 394.8 | 391.5 | 495.3 | 497.2 | 446.2 | 357.7 | 350.5 | 273.4 | 269.8 | 327.8 | 501.6 |

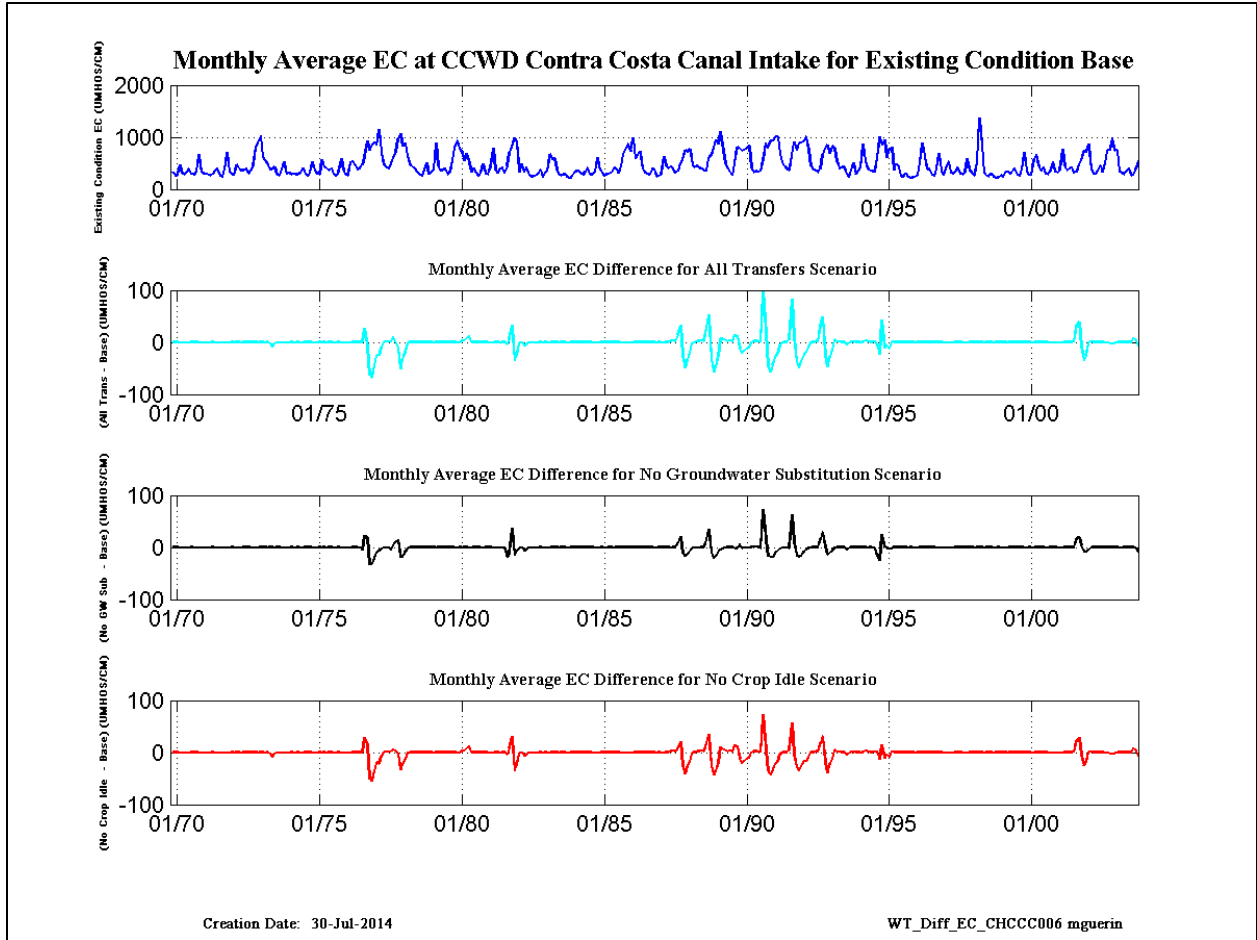


Figure 1-2. Monthly Average CCWD Contra Costa Canal Intake EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-9. CVP-Jones Intake (CHDMC006) Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 320.3 | 411.9 | 423.6 | 321.7 | 326.1 | 300.3 | 337.2 | 414.2 | 361.0 | 311.3 | 344.8 | 540.7 |
| 1971 | 373.1 | 392.7 | 503.3 | 506.4 | 509.4 | 413.6 | 333.8 | 371.4 | 331.6 | 270.0 | 372.8 | 558.2 |
| 1972 | 367.8 | 380.4 | 432.4 | 561.7 | 702.4 | 602.9 | 550.7 | 476.8 | 387.5 | 340.0 | 432.2 | 628.8 |
| 1973 | 659.8 | 797.2 | 636.4 | 735.5 | 621.8 | 375.9 | 361.3 | 374.5 | 358.9 | 304.8 | 372.0 | 418.3 |
| 1974 | 337.3 | 324.8 | 504.3 | 488.8 | 482.9 | 301.4 | 306.8 | 391.0 | 404.3 | 335.7 | 340.6 | 437.5 |
| 1975 | 343.3 | 339.4 | 432.8 | 604.6 | 436.0 | 286.8 | 338.5 | 388.8 | 368.7 | 332.4 | 342.9 | 470.8 |
| 1976 | 335.1 | 328.5 | 414.8 | 615.0 | 663.2 | 620.7 | 634.3 | 504.6 | 496.5 | 583.9 | 671.6 | 606.2 |
| 1977 | 661.6 | 698.5 | 765.0 | 911.9 | 884.3 | 865.4 | 681.0 | 625.9 | 511.2 | 542.4 | 613.5 | 749.9 |
| 1978 | 816.7 | 696.6 | 771.5 | 717.8 | 600.6 | 557.5 | 301.7 | 261.2 | 367.2 | 355.9 | 366.0 | 410.7 |
| 1979 | 332.1 | 362.6 | 492.9 | 684.0 | 433.9 | 308.9 | 346.3 | 329.4 | 324.4 | 323.0 | 460.2 | 622.7 |
| 1980 | 645.9 | 561.3 | 641.3 | 396.4 | 355.2 | 220.0 | 327.5 | 369.9 | 358.5 | 379.4 | 347.8 | 394.8 |
| 1981 | 345.6 | 341.3 | 506.4 | 686.9 | 594.2 | 520.2 | 464.5 | 448.7 | 384.9 | 401.6 | 558.6 | 647.2 |
| 1982 | 707.9 | 625.2 | 487.3 | 569.1 | 324.7 | 313.8 | 186.3 | 187.9 | 321.8 | 360.4 | 305.7 | 264.3 |
| 1983 | 201.3 | 210.1 | 275.8 | 337.1 | 316.0 | 272.1 | 190.9 | 207.7 | 212.7 | 227.9 | 194.3 | 220.6 |
| 1984 | 264.2 | 176.6 | 249.2 | 302.7 | 232.1 | 296.6 | 341.0 | 387.0 | 365.8 | 316.8 | 353.4 | 462.8 |
| 1985 | 336.4 | 322.6 | 410.0 | 500.3 | 545.9 | 500.3 | 417.3 | 455.4 | 385.8 | 408.9 | 550.5 | 629.2 |
| 1986 | 629.3 | 596.6 | 758.3 | 681.4 | 456.6 | 283.1 | 255.7 | 266.8 | 361.4 | 334.2 | 366.9 | 397.5 |
| 1987 | 348.0 | 335.4 | 420.4 | 631.0 | 625.6 | 628.8 | 617.4 | 491.3 | 382.1 | 344.4 | 451.0 | 511.2 |
| 1988 | 605.0 | 596.4 | 693.1 | 641.9 | 915.5 | 877.3 | 675.9 | 594.2 | 459.4 | 349.9 | 493.5 | 569.2 |
| 1989 | 669.2 | 719.7 | 759.1 | 886.5 | 840.5 | 801.8 | 602.8 | 554.3 | 311.2 | 439.9 | 625.2 | 591.1 |
| 1990 | 579.7 | 625.8 | 720.0 | 737.8 | 619.3 | 609.5 | 576.5 | 621.1 | 438.8 | 515.0 | 683.0 | 639.8 |
| 1991 | 729.9 | 747.6 | 830.8 | 873.3 | 891.3 | 750.1 | 615.0 | 595.3 | 384.5 | 548.0 | 700.0 | 627.2 |
| 1992 | 703.6 | 722.9 | 800.4 | 871.5 | 849.4 | 680.1 | 692.7 | 528.8 | 345.8 | 338.2 | 531.4 | 640.5 |
| 1993 | 684.7 | 612.9 | 745.5 | 759.9 | 673.6 | 572.9 | 493.2 | 492.6 | 503.9 | 378.8 | 370.4 | 418.6 |
| 1994 | 334.9 | 384.0 | 525.0 | 762.1 | 668.9 | 645.2 | 638.5 | 600.8 | 432.3 | 585.4 | 755.7 | 667.7 |
| 1995 | 708.6 | 535.7 | 710.1 | 786.7 | 583.8 | 394.5 | 228.1 | 165.1 | 290.3 | 262.3 | 264.3 | 276.8 |
| 1996 | 309.3 | 328.5 | 452.9 | 633.3 | 438.5 | 319.9 | 320.1 | 341.7 | 395.1 | 325.9 | 388.6 | 517.3 |
| 1997 | 363.5 | 325.7 | 316.3 | 272.0 | 178.6 | 213.8 | 331.6 | 349.9 | 368.2 | 312.7 | 346.5 | 489.8 |
| 1998 | 375.1 | 410.1 | 430.9 | 603.9 | 483.5 | 278.5 | 194.8 | 178.1 | 260.0 | 260.7 | 258.3 | 257.4 |
| 1999 | 272.5 | 308.5 | 424.0 | 480.6 | 268.1 | 321.6 | 352.6 | 370.9 | 347.2 | 293.3 | 384.8 | 533.2 |
| 2000 | 394.2 | 341.6 | 429.8 | 661.9 | 459.3 | 290.1 | 345.2 | 382.3 | 382.0 | 338.2 | 352.6 | 418.9 |
| 2001 | 340.7 | 362.6 | 491.2 | 705.3 | 655.8 | 569.0 | 432.3 | 455.3 | 377.8 | 335.2 | 432.3 | 508.8 |
| 2002 | 590.8 | 579.3 | 638.3 | 647.8 | 554.8 | 577.1 | 554.9 | 550.5 | 401.8 | 455.0 | 573.4 | 619.8 |
| 2003 | 717.6 | 604.9 | 678.8 | 614.0 | 514.5 | 509.1 | 490.8 | 462.9 | 304.9 | 281.8 | 365.5 | 446.5 |
| | | | | | | | | | | | | |
| Average | 482.5 | 473.8 | 552.1 | 623.3 | 550.2 | 472.9 | 427.6 | 417.5 | 373.2 | 367.4 | 440.3 | 505.7 |
| Critical | 564.3 | 586.2 | 678.4 | 773.3 | 784.6 | 721.2 | 644.9 | 581.5 | 438.4 | 494.7 | 635.5 | 642.9 |
| Dry | 438.5 | 443.5 | 537.5 | 676.3 | 636.1 | 599.5 | 514.9 | 492.6 | 373.9 | 397.5 | 531.9 | 584.5 |
| BN | 350.0 | 371.5 | 462.7 | 622.8 | 568.2 | 455.9 | 448.5 | 403.1 | 355.9 | 331.5 | 446.2 | 625.7 |
| AN | 653.2 | 602.4 | 650.6 | 647.6 | 537.5 | 420.9 | 386.6 | 390.6 | 379.2 | 339.8 | 362.4 | 418.0 |
| Wet | 400.4 | 383.5 | 459.1 | 506.8 | 387.4 | 307.4 | 286.0 | 309.3 | 337.5 | 303.4 | 328.0 | 417.5 |

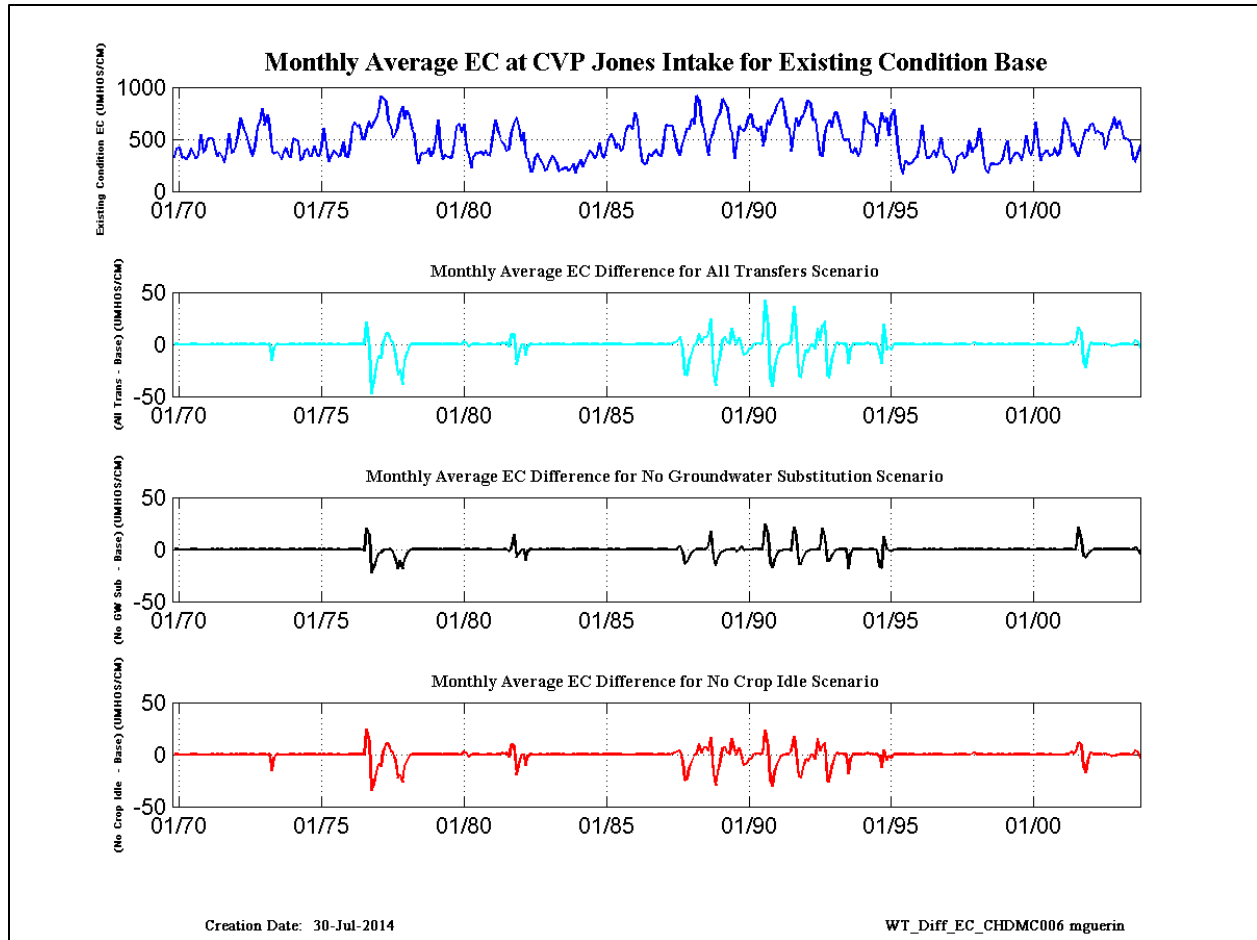


Figure 1-3. Monthly Average CVP-Jones Intake EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-10. SWP-Clifton Court Intake (CHWST000) Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 287.5 | 354.1 | 346.1 | 376.3 | 320.9 | 286.0 | 315.5 | 398.5 | 333.9 | 262.7 | 320.3 | 560.1 |
| 1971 | 337.1 | 313.5 | 385.7 | 413.8 | 405.2 | 361.9 | 314.4 | 359.7 | 295.7 | 233.3 | 356.6 | 580.4 |
| 1972 | 335.3 | 330.6 | 299.6 | 490.2 | 585.8 | 508.4 | 504.5 | 460.9 | 353.2 | 314.8 | 424.6 | 667.3 |
| 1973 | 715.8 | 880.1 | 590.5 | 623.3 | 526.9 | 365.4 | 344.5 | 354.7 | 319.4 | 259.8 | 350.9 | 401.4 |
| 1974 | 289.5 | 277.5 | 372.1 | 412.0 | 400.5 | 304.2 | 301.0 | 376.3 | 342.2 | 263.3 | 309.4 | 440.5 |
| 1975 | 313.1 | 304.8 | 305.8 | 545.8 | 442.1 | 309.2 | 329.7 | 374.6 | 326.5 | 261.6 | 313.7 | 484.0 |
| 1976 | 304.5 | 288.2 | 277.6 | 559.8 | 575.4 | 515.9 | 560.0 | 478.8 | 477.3 | 601.2 | 712.8 | 629.5 |
| 1977 | 719.9 | 734.1 | 775.1 | 951.2 | 784.7 | 669.6 | 556.0 | 541.0 | 485.4 | 548.7 | 642.5 | 793.7 |
| 1978 | 870.0 | 711.4 | 767.9 | 677.8 | 544.8 | 499.5 | 287.8 | 242.7 | 318.0 | 282.4 | 345.8 | 416.7 |
| 1979 | 298.8 | 327.7 | 396.8 | 679.2 | 444.9 | 329.3 | 337.6 | 307.0 | 298.6 | 294.0 | 471.2 | 679.6 |
| 1980 | 729.5 | 590.1 | 609.3 | 453.0 | 320.5 | 211.8 | 316.2 | 352.4 | 343.7 | 298.7 | 323.9 | 384.2 |
| 1981 | 297.4 | 303.2 | 416.1 | 653.5 | 483.9 | 456.3 | 445.5 | 439.6 | 350.3 | 390.0 | 575.0 | 689.5 |
| 1982 | 780.9 | 658.8 | 389.5 | 490.9 | 350.0 | 342.8 | 181.7 | 172.7 | 275.2 | 295.4 | 292.1 | 287.8 |
| 1983 | 210.3 | 225.8 | 291.0 | 278.2 | 290.3 | 241.7 | 179.2 | 199.4 | 201.3 | 219.1 | 217.7 | 205.9 |
| 1984 | 227.9 | 204.2 | 228.2 | 314.7 | 277.0 | 274.5 | 321.4 | 370.7 | 323.4 | 266.3 | 321.1 | 490.2 |
| 1985 | 314.0 | 277.2 | 273.9 | 397.2 | 440.9 | 443.3 | 400.4 | 443.2 | 348.4 | 394.5 | 564.8 | 676.6 |
| 1986 | 679.0 | 632.1 | 784.2 | 623.4 | 501.7 | 268.6 | 247.7 | 249.2 | 323.2 | 278.5 | 350.3 | 368.1 |
| 1987 | 299.1 | 293.7 | 326.8 | 596.7 | 537.3 | 555.6 | 582.7 | 463.2 | 353.2 | 328.6 | 431.8 | 508.2 |
| 1988 | 640.2 | 616.6 | 678.7 | 569.8 | 830.0 | 717.7 | 588.7 | 542.7 | 427.7 | 348.8 | 496.0 | 572.2 |
| 1989 | 706.4 | 760.3 | 773.7 | 915.5 | 790.5 | 719.2 | 549.4 | 473.4 | 285.2 | 449.4 | 652.7 | 621.6 |
| 1990 | 599.1 | 648.6 | 711.6 | 712.6 | 517.0 | 505.4 | 467.6 | 534.7 | 402.5 | 529.6 | 717.2 | 662.1 |
| 1991 | 780.2 | 795.3 | 853.5 | 886.9 | 822.4 | 702.3 | 584.6 | 521.5 | 367.5 | 566.9 | 733.0 | 642.8 |
| 1992 | 744.5 | 760.3 | 807.5 | 881.5 | 823.6 | 619.7 | 574.0 | 445.0 | 339.4 | 346.7 | 558.2 | 656.1 |
| 1993 | 707.8 | 617.3 | 740.5 | 726.2 | 596.7 | 494.8 | 472.3 | 486.9 | 386.8 | 271.8 | 337.0 | 413.5 |
| 1994 | 296.9 | 353.7 | 444.2 | 743.0 | 585.4 | 538.9 | 521.4 | 525.9 | 395.4 | 612.2 | 793.5 | 698.9 |
| 1995 | 744.4 | 520.8 | 704.2 | 742.3 | 502.6 | 416.6 | 217.9 | 154.5 | 254.3 | 278.4 | 238.6 | 226.0 |
| 1996 | 259.6 | 277.7 | 342.0 | 525.4 | 456.7 | 341.6 | 313.2 | 329.9 | 329.1 | 268.7 | 375.1 | 545.7 |
| 1997 | 336.6 | 286.6 | 333.7 | 245.6 | 193.9 | 234.2 | 308.3 | 325.8 | 326.8 | 267.2 | 306.0 | 507.0 |
| 1998 | 343.3 | 337.6 | 291.9 | 544.1 | 404.9 | 376.5 | 189.7 | 171.2 | 251.1 | 274.2 | 237.9 | 222.9 |
| 1999 | 237.0 | 268.2 | 314.5 | 412.4 | 326.5 | 291.1 | 340.8 | 357.5 | 308.5 | 246.8 | 365.8 | 556.5 |
| 2000 | 354.0 | 300.2 | 298.3 | 604.5 | 525.8 | 330.0 | 331.6 | 366.9 | 327.0 | 274.2 | 321.6 | 410.7 |
| 2001 | 304.5 | 332.0 | 385.7 | 675.5 | 562.2 | 494.9 | 422.1 | 450.2 | 353.3 | 315.2 | 419.3 | 500.5 |
| 2002 | 622.1 | 593.5 | 586.4 | 567.3 | 449.8 | 482.5 | 514.1 | 522.0 | 378.4 | 461.6 | 590.5 | 652.5 |
| 2003 | 771.8 | 621.6 | 650.1 | 515.3 | 410.1 | 392.9 | 461.6 | 450.2 | 288.7 | 258.8 | 339.7 | 428.3 |
| | | | | | | | | | | | | |
| Average | 484.1 | 464.6 | 492.7 | 582.5 | 500.9 | 429.5 | 393.6 | 389.5 | 338.0 | 340.1 | 435.5 | 517.1 |
| Critical | 583.6 | 599.5 | 649.7 | 757.8 | 705.5 | 609.9 | 550.3 | 512.8 | 413.6 | 507.7 | 664.7 | 665.1 |
| Dry | 423.9 | 426.6 | 460.4 | 634.3 | 544.1 | 525.3 | 485.7 | 465.3 | 344.8 | 389.9 | 539.0 | 608.2 |
| BN | 317.1 | 329.2 | 348.2 | 584.7 | 515.4 | 418.8 | 421.0 | 383.9 | 325.9 | 304.4 | 447.9 | 673.4 |
| AN | 691.5 | 620.1 | 609.4 | 600.0 | 487.5 | 382.4 | 369.0 | 375.6 | 330.6 | 274.3 | 336.5 | 409.1 |
| Wet | 388.2 | 358.6 | 391.4 | 455.8 | 374.8 | 311.5 | 273.9 | 295.4 | 299.3 | 262.7 | 308.0 | 421.2 |

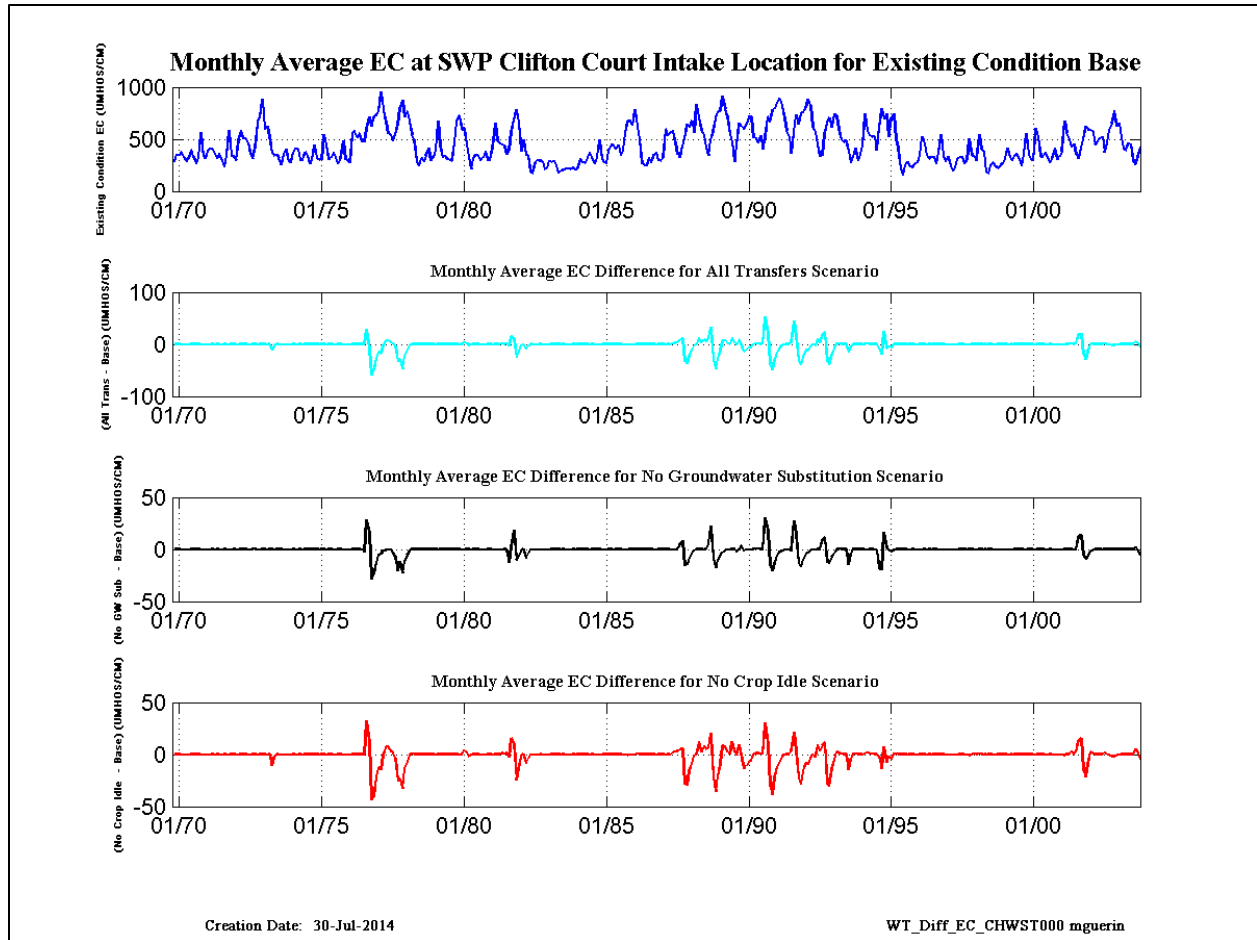


Figure 1-4. Monthly Average SWP-Banks Intake to Clifton Court Forebay EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-11. Old River near Middle River location Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1970 | 415.0 | 479.9 | 583.6 | 286.4 | 320.5 | 296.9 | 309.4 | 401.2 | 432.3 | 592.9 | 558.8 | 528.9 |
| 1971 | 486.7 | 564.4 | 786.6 | 673.6 | 736.4 | 449.5 | 303.3 | 358.9 | 459.6 | 569.3 | 555.8 | 541.0 |
| 1972 | 489.5 | 583.5 | 796.4 | 804.2 | 852.2 | 827.3 | 503.3 | 453.9 | 589.5 | 643.6 | 590.6 | 584.6 |
| 1973 | 526.1 | 577.4 | 784.9 | 807.3 | 648.4 | 350.8 | 339.9 | 349.0 | 481.2 | 591.8 | 477.6 | 490.3 |
| 1974 | 448.2 | 523.5 | 770.0 | 522.1 | 608.9 | 278.1 | 300.0 | 376.4 | 457.1 | 528.8 | 450.5 | 463.4 |
| 1975 | 430.1 | 470.9 | 728.2 | 757.0 | 389.6 | 261.5 | 328.9 | 369.3 | 374.8 | 511.3 | 438.9 | 478.5 |
| 1976 | 424.6 | 505.1 | 774.3 | 779.0 | 896.8 | 873.5 | 624.8 | 471.8 | 595.1 | 659.2 | 585.7 | 578.9 |
| 1977 | 535.1 | 656.8 | 824.3 | 824.5 | 1045.6 | 1224.0 | 781.0 | 683.2 | 676.9 | 695.7 | 685.1 | 666.6 |
| 1978 | 613.9 | 684.8 | 838.3 | 724.7 | 619.4 | 569.0 | 279.2 | 239.9 | 375.9 | 508.3 | 443.5 | 425.5 |
| 1979 | 513.9 | 494.8 | 746.7 | 667.0 | 387.4 | 285.7 | 336.3 | 302.5 | 443.3 | 605.0 | 476.6 | 511.2 |
| 1980 | 462.3 | 528.3 | 778.7 | 350.4 | 305.0 | 207.1 | 316.4 | 350.2 | 350.5 | 429.1 | 416.4 | 460.9 |
| 1981 | 453.3 | 501.3 | 771.9 | 768.3 | 852.4 | 581.7 | 433.7 | 426.7 | 594.8 | 626.2 | 591.1 | 572.6 |
| 1982 | 507.4 | 578.9 | 774.9 | 623.4 | 298.0 | 281.2 | 178.4 | 170.5 | 329.5 | 384.4 | 312.3 | 244.7 |
| 1983 | 190.7 | 195.1 | 268.1 | 266.0 | 282.9 | 227.4 | 177.1 | 198.9 | 200.4 | 217.8 | 171.0 | 224.5 |
| 1984 | 343.7 | 164.3 | 223.3 | 294.8 | 202.5 | 302.9 | 316.3 | 365.9 | 472.2 | 591.4 | 496.5 | 416.3 |
| 1985 | 381.9 | 470.3 | 789.4 | 767.9 | 769.7 | 561.5 | 381.4 | 443.6 | 581.9 | 667.7 | 574.1 | 538.9 |
| 1986 | 502.8 | 551.7 | 769.0 | 797.2 | 400.4 | 259.8 | 245.0 | 246.9 | 366.2 | 517.6 | 434.4 | 412.4 |
| 1987 | 395.0 | 424.7 | 721.9 | 743.1 | 869.0 | 722.2 | 583.3 | 461.5 | 602.2 | 653.6 | 613.6 | 590.5 |
| 1988 | 530.7 | 605.0 | 810.0 | 816.3 | 985.2 | 920.1 | 669.6 | 616.7 | 666.7 | 665.7 | 650.2 | 619.9 |
| 1989 | 584.8 | 638.5 | 818.0 | 826.9 | 963.2 | 840.2 | 580.4 | 684.1 | 648.0 | 634.2 | 621.2 | 555.7 |
| 1990 | 573.8 | 628.2 | 823.0 | 835.6 | 953.7 | 928.4 | 756.7 | 655.4 | 681.4 | 656.7 | 636.5 | 620.3 |
| 1991 | 583.5 | 626.9 | 828.7 | 848.7 | 1005.9 | 738.8 | 606.0 | 673.3 | 717.9 | 720.6 | 702.9 | 679.3 |
| 1992 | 593.1 | 639.6 | 838.5 | 852.9 | 837.4 | 798.2 | 801.7 | 731.8 | 742.4 | 746.2 | 772.5 | 732.9 |
| 1993 | 616.1 | 669.8 | 844.2 | 678.7 | 671.5 | 636.3 | 456.7 | 486.1 | 689.8 | 780.9 | 506.5 | 486.4 |
| 1994 | 500.8 | 555.6 | 814.1 | 842.6 | 906.3 | 927.5 | 697.4 | 631.1 | 692.9 | 709.1 | 664.8 | 641.4 |
| 1995 | 610.1 | 646.2 | 835.2 | 715.4 | 713.1 | 355.4 | 212.0 | 152.4 | 289.8 | 250.4 | 300.3 | 461.0 |
| 1996 | 453.0 | 510.7 | 772.6 | 742.5 | 337.3 | 284.6 | 310.2 | 328.3 | 456.2 | 565.7 | 472.0 | 476.1 |
| 1997 | 453.5 | 442.9 | 297.3 | 235.3 | 169.4 | 197.2 | 306.0 | 321.2 | 437.1 | 601.7 | 512.1 | 469.8 |
| 1998 | 471.8 | 567.4 | 784.7 | 569.4 | 349.2 | 253.7 | 186.6 | 169.5 | 253.1 | 249.6 | 275.9 | 303.9 |
| 1999 | 353.2 | 443.5 | 680.1 | 526.5 | 222.0 | 341.5 | 337.6 | 352.9 | 421.4 | 618.6 | 539.7 | 511.1 |
| 2000 | 485.7 | 555.8 | 809.1 | 751.0 | 361.4 | 256.4 | 330.1 | 364.1 | 569.2 | 631.5 | 556.1 | 477.0 |
| 2001 | 439.0 | 516.0 | 770.2 | 769.1 | 854.6 | 668.8 | 401.5 | 443.0 | 601.2 | 659.9 | 612.7 | 573.7 |
| 2002 | 533.7 | 591.7 | 785.4 | 759.7 | 806.9 | 774.2 | 514.1 | 517.9 | 561.0 | 652.2 | 608.4 | 586.3 |
| 2003 | 579.0 | 622.5 | 802.4 | 818.8 | 792.1 | 799.6 | 447.3 | 453.3 | 473.5 | 633.9 | 602.0 | 587.2 |
| | | | | | | | | | | | | |
| Average | 484.8 | 535.8 | 736.6 | 677.8 | 629.8 | 537.7 | 422.1 | 419.2 | 508.4 | 581.5 | 526.7 | 515.1 |
| Critical | 534.5 | 602.4 | 816.1 | 828.5 | 947.3 | 915.8 | 705.3 | 637.6 | 681.9 | 693.3 | 671.1 | 648.5 |
| Dry | 464.6 | 523.8 | 776.1 | 772.5 | 852.6 | 691.4 | 482.4 | 496.1 | 598.2 | 648.9 | 603.5 | 569.6 |
| BN | 501.7 | 539.1 | 771.6 | 735.6 | 619.8 | 556.5 | 419.8 | 378.2 | 516.4 | 624.3 | 533.6 | 547.9 |
| AN | 547.2 | 606.4 | 809.6 | 688.5 | 566.3 | 469.9 | 361.6 | 373.8 | 490.0 | 595.9 | 500.3 | 487.9 |
| Wet | 435.9 | 472.3 | 636.4 | 539.2 | 386.9 | 291.5 | 270.1 | 293.2 | 380.8 | 476.9 | 424.5 | 425.5 |

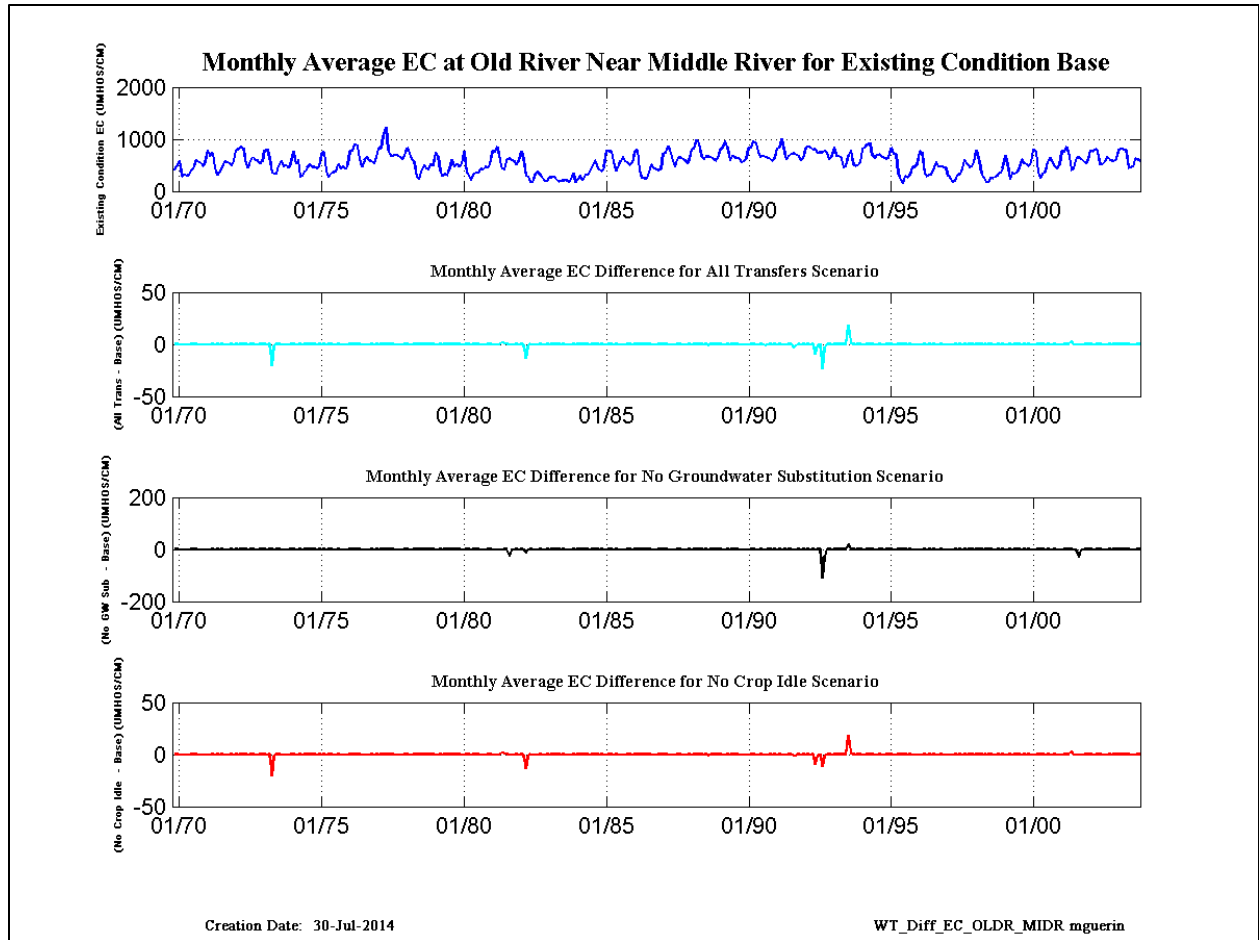


Figure 1-5. Monthly Average Old River near Middle River EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-12. CCWD Old River Intake (ROLD034) Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 274.1 | 291.1 | 271.4 | 401.3 | 304.2 | 267.4 | 328.7 | 392.4 | 308.2 | 261.6 | 335.4 | 593.0 |
| 1971 | 320.2 | 282.0 | 285.2 | 304.3 | 292.0 | 303.7 | 341.3 | 380.6 | 274.8 | 231.4 | 378.1 | 616.6 |
| 1972 | 319.3 | 301.1 | 284.8 | 436.0 | 399.9 | 355.0 | 422.1 | 440.8 | 326.9 | 325.2 | 454.7 | 727.9 |
| 1973 | 783.3 | 950.7 | 552.9 | 485.9 | 434.6 | 340.6 | 353.8 | 387.4 | 299.2 | 258.9 | 367.2 | 413.8 |
| 1974 | 278.6 | 267.4 | 278.0 | 345.9 | 316.5 | 293.0 | 306.7 | 384.4 | 307.6 | 250.6 | 316.6 | 462.0 |
| 1975 | 299.8 | 292.3 | 298.9 | 510.2 | 447.0 | 308.3 | 335.5 | 387.5 | 298.5 | 249.3 | 321.5 | 511.9 |
| 1976 | 293.4 | 273.0 | 272.7 | 538.2 | 514.5 | 414.8 | 427.0 | 439.7 | 462.5 | 650.7 | 781.3 | 668.5 |
| 1977 | 787.1 | 783.0 | 830.7 | 1009.2 | 676.0 | 529.0 | 462.5 | 426.3 | 484.4 | 562.4 | 691.4 | 871.9 |
| 1978 | 919.3 | 738.1 | 793.1 | 612.5 | 470.9 | 434.4 | 299.0 | 252.5 | 295.6 | 269.0 | 358.4 | 436.1 |
| 1979 | 291.8 | 324.9 | 416.0 | 689.5 | 428.2 | 330.6 | 345.6 | 325.5 | 286.3 | 302.8 | 503.9 | 743.9 |
| 1980 | 798.6 | 629.7 | 644.1 | 495.9 | 353.1 | 223.9 | 318.5 | 364.9 | 327.7 | 278.2 | 331.0 | 398.8 |
| 1981 | 283.7 | 291.3 | 433.3 | 640.3 | 377.2 | 347.1 | 445.7 | 455.8 | 327.6 | 412.0 | 621.5 | 756.4 |
| 1982 | 857.5 | 703.7 | 306.0 | 419.1 | 340.3 | 347.3 | 188.4 | 177.9 | 249.7 | 273.6 | 292.2 | 290.9 |
| 1983 | 206.4 | 228.7 | 336.8 | 322.0 | 296.2 | 245.1 | 186.5 | 202.7 | 208.2 | 232.4 | 219.0 | 199.9 |
| 1984 | 218.5 | 257.6 | 239.9 | 349.2 | 304.2 | 254.0 | 329.4 | 398.0 | 298.0 | 265.2 | 334.6 | 517.7 |
| 1985 | 301.1 | 266.2 | 251.0 | 296.8 | 325.1 | 351.4 | 431.1 | 435.1 | 322.1 | 416.2 | 609.4 | 738.7 |
| 1986 | 730.0 | 686.3 | 846.9 | 535.0 | 574.0 | 312.1 | 257.2 | 258.5 | 298.2 | 271.9 | 364.9 | 363.6 |
| 1987 | 262.2 | 268.9 | 299.5 | 576.5 | 438.2 | 407.2 | 512.6 | 425.4 | 331.9 | 337.9 | 447.4 | 535.7 |
| 1988 | 675.9 | 645.8 | 688.5 | 464.2 | 566.6 | 488.7 | 457.4 | 448.3 | 400.1 | 353.6 | 524.5 | 604.9 |
| 1989 | 752.3 | 814.4 | 829.9 | 978.4 | 706.8 | 577.8 | 464.5 | 373.0 | 271.7 | 480.7 | 706.5 | 670.9 |
| 1990 | 641.7 | 690.4 | 730.7 | 702.8 | 421.3 | 353.5 | 369.6 | 377.1 | 381.9 | 573.9 | 763.2 | 708.1 |
| 1991 | 833.1 | 848.3 | 919.1 | 923.9 | 726.4 | 602.5 | 525.4 | 412.2 | 362.8 | 621.5 | 775.1 | 679.6 |
| 1992 | 802.5 | 805.0 | 848.1 | 920.3 | 783.5 | 499.2 | 432.4 | 372.5 | 330.6 | 362.0 | 595.1 | 708.5 |
| 1993 | 743.9 | 632.1 | 775.5 | 717.7 | 513.8 | 401.7 | 481.0 | 496.4 | 331.3 | 255.6 | 349.5 | 432.7 |
| 1994 | 288.9 | 352.5 | 464.8 | 756.0 | 509.7 | 383.4 | 387.7 | 383.4 | 371.3 | 662.2 | 858.6 | 766.3 |
| 1995 | 795.3 | 525.5 | 755.1 | 711.9 | 404.2 | 459.6 | 234.6 | 158.9 | 235.2 | 306.5 | 231.8 | 218.9 |
| 1996 | 242.4 | 259.6 | 260.4 | 386.4 | 441.2 | 334.4 | 326.0 | 340.0 | 299.9 | 262.0 | 395.3 | 579.1 |
| 1997 | 321.0 | 270.8 | 374.5 | 250.1 | 273.4 | 240.3 | 325.1 | 354.0 | 307.1 | 263.5 | 316.7 | 535.8 |
| 1998 | 327.9 | 282.7 | 268.4 | 472.4 | 573.3 | 426.7 | 199.1 | 177.3 | 246.4 | 299.2 | 230.3 | 213.4 |
| 1999 | 226.2 | 260.4 | 244.7 | 339.8 | 324.1 | 263.1 | 345.0 | 382.9 | 286.7 | 244.8 | 387.3 | 590.6 |
| 2000 | 336.3 | 282.1 | 296.5 | 527.9 | 547.8 | 329.8 | 338.3 | 390.8 | 303.7 | 268.7 | 335.8 | 427.0 |
| 2001 | 292.2 | 325.0 | 393.3 | 674.5 | 444.2 | 367.3 | 449.1 | 467.0 | 333.8 | 322.6 | 435.9 | 527.4 |
| 2002 | 654.8 | 630.0 | 556.3 | 431.5 | 335.4 | 321.5 | 429.7 | 502.0 | 353.9 | 493.6 | 635.7 | 716.9 |
| 2003 | 826.5 | 661.7 | 638.2 | 368.5 | 293.6 | 275.4 | 420.4 | 429.5 | 271.3 | 262.5 | 359.8 | 448.1 |
| | | | | | | | | | | | | |
| Average | 499.6 | 474.2 | 490.7 | 546.9 | 445.8 | 364.4 | 367.0 | 370.6 | 317.5 | 349.5 | 459.7 | 549.3 |
| Critical | 617.5 | 628.3 | 679.2 | 759.2 | 599.7 | 467.3 | 437.4 | 408.5 | 399.1 | 540.9 | 712.7 | 715.4 |
| Dry | 424.4 | 432.6 | 460.5 | 599.7 | 437.8 | 395.4 | 455.5 | 443.0 | 323.5 | 410.5 | 576.1 | 657.7 |
| BN | 305.5 | 313.0 | 350.4 | 562.8 | 414.0 | 342.8 | 383.9 | 383.1 | 306.6 | 314.0 | 479.3 | 735.9 |
| AN | 734.6 | 649.1 | 616.7 | 534.7 | 435.6 | 334.3 | 368.5 | 386.9 | 304.8 | 265.5 | 350.3 | 426.1 |
| Wet | 392.2 | 354.5 | 366.6 | 411.4 | 376.2 | 311.9 | 284.9 | 307.3 | 278.3 | 262.5 | 317.2 | 438.0 |

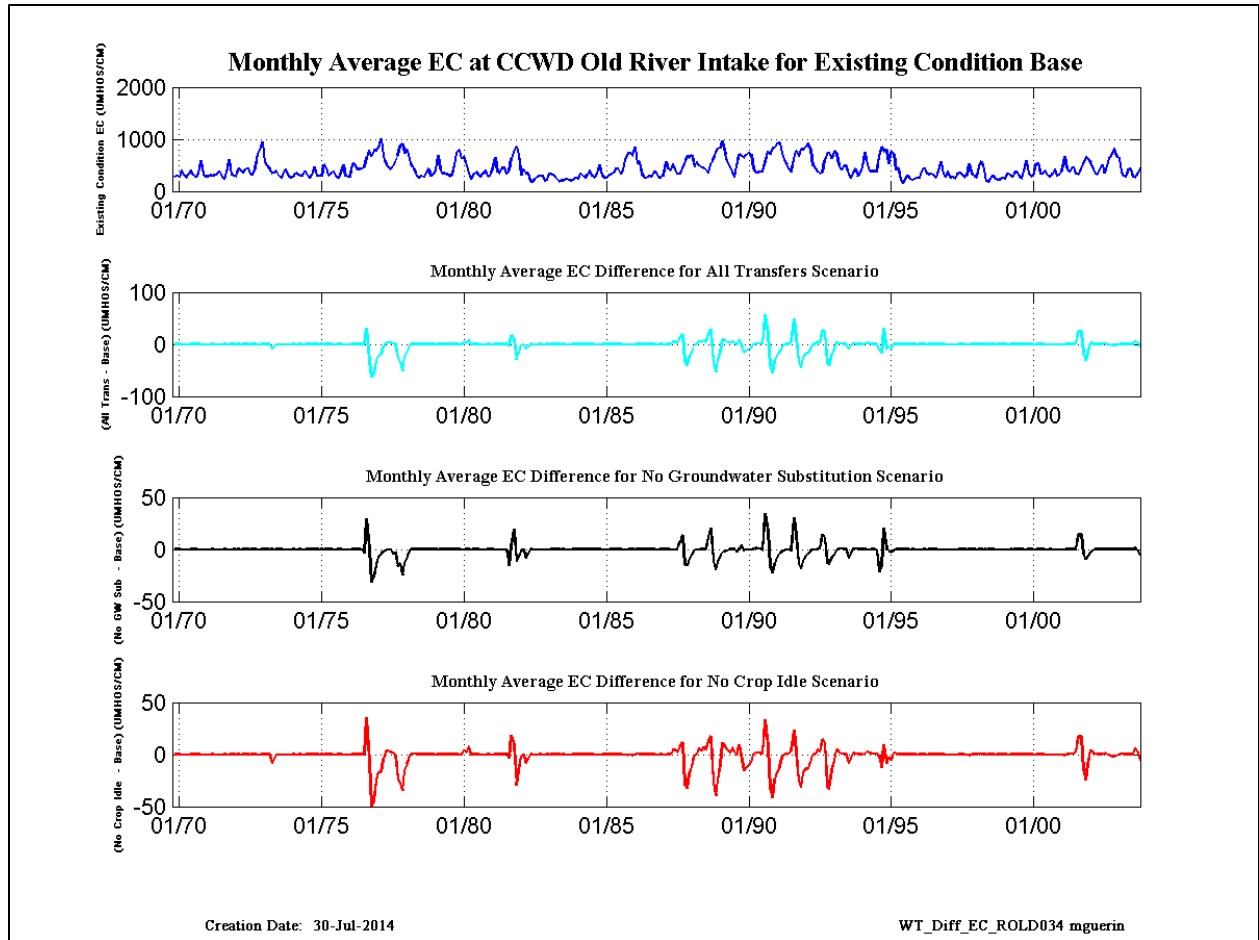


Figure 1-6. Monthly Average CCWD Old River Intake EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-13. Old River location (ROLD059) Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1970 | 417.0 | 477.0 | 582.7 | 310.4 | 339.1 | 308.0 | 321.0 | 409.4 | 458.2 | 589.1 | 581.6 | 549.3 |
| 1971 | 498.7 | 573.4 | 832.8 | 713.3 | 748.7 | 469.6 | 317.9 | 364.4 | 472.2 | 573.5 | 580.1 | 559.6 |
| 1972 | 502.2 | 565.3 | 780.4 | 826.4 | 861.6 | 841.6 | 534.3 | 469.2 | 581.2 | 648.9 | 618.3 | 598.3 |
| 1973 | 540.5 | 601.7 | 785.3 | 973.8 | 770.4 | 383.3 | 349.0 | 358.5 | 488.3 | 594.2 | 509.2 | 500.9 |
| 1974 | 458.6 | 524.7 | 768.8 | 559.8 | 627.3 | 294.1 | 304.5 | 382.3 | 463.1 | 533.6 | 474.8 | 472.8 |
| 1975 | 440.3 | 474.6 | 714.1 | 774.2 | 430.0 | 274.0 | 333.4 | 380.6 | 381.7 | 511.2 | 462.0 | 484.1 |
| 1976 | 434.8 | 501.8 | 757.2 | 796.8 | 899.3 | 885.9 | 649.6 | 493.6 | 572.5 | 660.8 | 690.0 | 636.9 |
| 1977 | 553.1 | 617.8 | 810.8 | 844.0 | 1029.4 | 1200.7 | 859.3 | 693.7 | 595.7 | 593.7 | 624.1 | 721.5 |
| 1978 | 753.7 | 696.8 | 831.4 | 777.8 | 648.7 | 593.0 | 290.4 | 247.2 | 378.3 | 510.8 | 466.4 | 437.7 |
| 1979 | 512.9 | 505.1 | 733.9 | 712.2 | 424.1 | 297.6 | 341.7 | 312.0 | 460.3 | 599.9 | 510.6 | 516.7 |
| 1980 | 473.4 | 524.7 | 766.1 | 380.7 | 328.4 | 216.6 | 321.9 | 356.7 | 355.0 | 432.6 | 431.7 | 466.9 |
| 1981 | 462.5 | 502.5 | 752.9 | 795.4 | 861.2 | 611.3 | 449.8 | 438.8 | 590.1 | 638.2 | 620.4 | 598.7 |
| 1982 | 522.0 | 579.1 | 769.4 | 689.3 | 317.1 | 299.7 | 180.6 | 175.1 | 331.4 | 388.6 | 327.5 | 249.7 |
| 1983 | 195.6 | 205.9 | 272.6 | 307.2 | 297.6 | 250.4 | 182.8 | 200.9 | 202.5 | 220.1 | 177.4 | 226.8 |
| 1984 | 342.0 | 170.0 | 231.5 | 305.3 | 219.0 | 309.8 | 325.0 | 375.3 | 480.1 | 591.4 | 523.1 | 431.3 |
| 1985 | 389.6 | 479.6 | 780.8 | 792.8 | 783.2 | 584.1 | 399.1 | 452.2 | 585.8 | 669.0 | 610.8 | 561.0 |
| 1986 | 514.8 | 554.1 | 757.8 | 822.4 | 438.2 | 267.3 | 253.0 | 253.8 | 369.1 | 518.4 | 455.0 | 423.1 |
| 1987 | 405.1 | 429.0 | 701.0 | 764.4 | 875.8 | 751.0 | 604.2 | 481.2 | 578.6 | 647.6 | 574.6 | 598.2 |
| 1988 | 549.2 | 594.0 | 796.8 | 841.8 | 976.9 | 938.1 | 698.4 | 628.8 | 599.7 | 577.8 | 539.3 | 611.1 |
| 1989 | 617.3 | 634.2 | 807.2 | 846.5 | 959.0 | 860.0 | 610.4 | 680.0 | 669.1 | 644.9 | 647.0 | 603.1 |
| 1990 | 577.3 | 623.2 | 804.9 | 852.7 | 954.1 | 941.3 | 793.4 | 669.2 | 569.6 | 621.2 | 688.6 | 680.2 |
| 1991 | 611.3 | 625.7 | 808.6 | 869.7 | 996.5 | 764.5 | 626.6 | 673.5 | 587.0 | 645.5 | 705.7 | 665.9 |
| 1992 | 637.4 | 633.9 | 816.1 | 875.1 | 868.9 | 809.5 | 810.6 | 749.1 | 518.6 | 454.5 | 552.7 | 649.8 |
| 1993 | 700.6 | 674.3 | 838.2 | 816.5 | 826.4 | 715.4 | 482.1 | 489.3 | 681.5 | 772.9 | 550.3 | 497.3 |
| 1994 | 505.8 | 556.2 | 799.6 | 862.8 | 912.3 | 934.9 | 733.4 | 640.2 | 570.9 | 696.0 | 742.6 | 690.9 |
| 1995 | 657.2 | 650.9 | 821.6 | 865.1 | 744.3 | 389.2 | 221.3 | 155.4 | 292.3 | 254.3 | 309.7 | 451.8 |
| 1996 | 463.3 | 510.0 | 759.7 | 840.2 | 459.1 | 319.3 | 317.2 | 333.2 | 461.0 | 567.7 | 498.3 | 485.7 |
| 1997 | 462.2 | 452.9 | 307.4 | 251.7 | 178.3 | 207.0 | 315.5 | 330.2 | 443.0 | 596.0 | 535.4 | 485.6 |
| 1998 | 479.0 | 565.9 | 776.5 | 690.5 | 443.6 | 268.3 | 191.2 | 172.5 | 255.3 | 253.1 | 284.7 | 309.1 |
| 1999 | 355.2 | 441.2 | 671.8 | 567.9 | 250.7 | 349.9 | 345.0 | 361.1 | 432.1 | 610.8 | 569.5 | 525.0 |
| 2000 | 497.6 | 554.2 | 793.2 | 793.4 | 444.4 | 273.9 | 335.9 | 371.1 | 565.5 | 636.7 | 579.6 | 498.9 |
| 2001 | 449.6 | 513.8 | 759.9 | 798.9 | 872.6 | 691.2 | 421.3 | 453.1 | 595.5 | 654.7 | 567.1 | 578.7 |
| 2002 | 549.9 | 590.5 | 796.0 | 807.1 | 826.9 | 786.3 | 545.2 | 548.6 | 586.8 | 647.4 | 644.2 | 603.3 |
| 2003 | 591.4 | 623.7 | 799.5 | 843.6 | 810.7 | 808.7 | 479.3 | 461.6 | 512.5 | 630.7 | 625.7 | 601.1 |
| | | | | | | | | | | | | |
| Average | 503.6 | 536.1 | 729.0 | 722.6 | 659.5 | 555.7 | 439.5 | 428.3 | 490.7 | 564.3 | 537.6 | 528.6 |
| Critical | 552.7 | 593.2 | 799.2 | 849.0 | 948.2 | 925.0 | 738.8 | 649.7 | 573.4 | 607.1 | 649.0 | 665.2 |
| Dry | 479.0 | 524.9 | 766.3 | 800.9 | 863.1 | 714.0 | 505.0 | 509.0 | 601.0 | 650.3 | 610.7 | 590.5 |
| BN | 507.5 | 535.2 | 757.1 | 769.3 | 642.9 | 569.6 | 438.0 | 390.6 | 520.8 | 624.4 | 564.5 | 557.5 |
| AN | 592.9 | 612.6 | 802.3 | 764.3 | 638.1 | 498.5 | 376.4 | 380.7 | 496.9 | 596.3 | 527.1 | 500.5 |
| Wet | 446.6 | 475.4 | 635.9 | 592.1 | 422.5 | 308.2 | 277.6 | 299.6 | 387.8 | 477.5 | 444.6 | 434.9 |

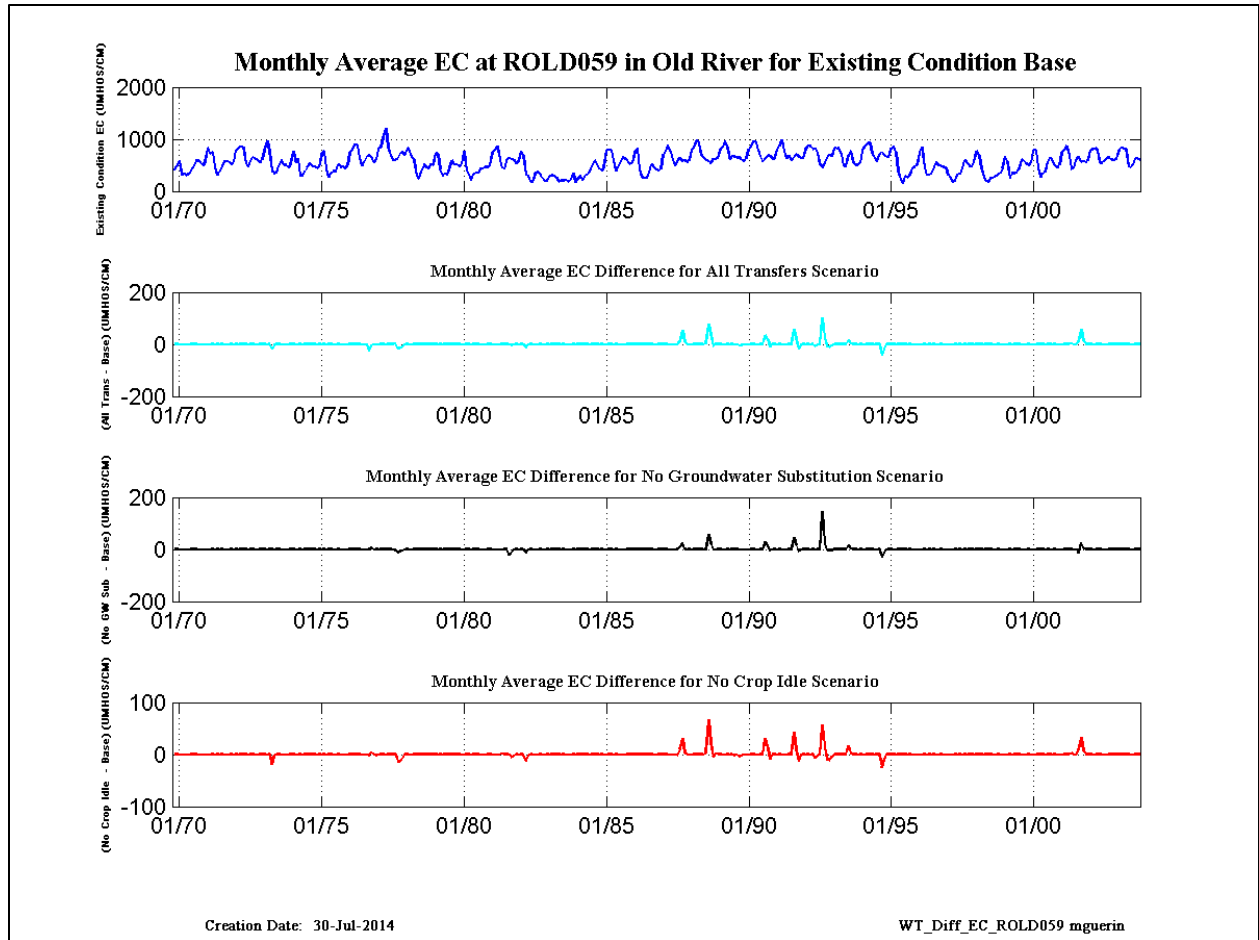


Figure 1-7. Monthly Average Old River location (ROLD059) EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-14. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.6 | -8.3 | -1.9 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 26.6 | -7.1 | -63.0 |
| 1977 | -67.4 | -46.0 | -25.2 | -24.8 | -8.4 | 0.1 | 1.8 | 1.0 | 1.9 | 10.1 | -1.9 | -10.2 |
| 1978 | -51.4 | -34.0 | -18.1 | -1.7 | 0.8 | 0.5 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.2 | -0.3 | 2.9 | 3.2 | 7.0 | 11.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.4 | -0.1 | 0.2 | 0.1 | 0.0 | 0.3 | 0.6 | -4.0 | 7.6 | 32.4 |
| 1982 | -35.5 | -24.0 | -2.6 | 0.2 | -5.6 | -5.9 | -0.6 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | -0.1 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 | -0.3 | -0.5 | -0.8 |
| 1986 | -0.7 | -0.5 | -0.8 | 0.7 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.5 | 0.2 | 0.1 | 2.5 | 3.4 | 1.6 | 15.3 | 33.4 | -24.6 |
| 1988 | -48.8 | -33.1 | -20.6 | -1.3 | 0.2 | 2.7 | 2.8 | 3.9 | 2.9 | 28.7 | 53.0 | -31.7 |
| 1989 | -58.0 | -46.2 | -24.9 | 7.6 | 5.0 | 3.4 | 1.3 | 4.0 | 1.4 | 13.5 | 10.6 | -11.9 |
| 1990 | -21.9 | -16.7 | -12.7 | -10.4 | 0.0 | 2.3 | 2.3 | 1.3 | 2.2 | 99.6 | 17.4 | -44.4 |
| 1991 | -57.7 | -43.7 | -28.1 | -21.3 | -4.7 | -0.4 | 0.6 | 0.8 | 5.0 | 83.8 | 11.8 | -37.7 |
| 1992 | -48.7 | -36.0 | -22.8 | -20.0 | -9.6 | -0.1 | 0.4 | 2.9 | 1.8 | 31.9 | 48.3 | -23.5 |
| 1993 | -47.3 | -27.2 | -14.2 | 4.9 | 1.6 | 1.0 | 0.7 | 0.8 | -4.8 | -2.7 | 1.3 | 1.0 |
| 1994 | 0.1 | 0.1 | 0.0 | 0.3 | 3.2 | 1.5 | 0.9 | 0.6 | 1.1 | -5.4 | -22.6 | 43.2 |
| 1995 | -10.9 | -6.9 | -11.4 | 1.0 | 0.9 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 |
| 1996 | 0.1 | 0.0 | 0.1 | 0.4 | 0.3 | 0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 0.5 | 0.4 |
| 1997 | 0.1 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | -0.3 | -0.7 |
| 1998 | 0.1 | 0.1 | 0.2 | 0.9 | 0.2 | 0.1 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | -0.1 | -0.2 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -1.0 | 0.2 | 0.1 | 0.2 | 0.7 | 1.9 | 32.1 | 39.8 | -6.0 |
| 2002 | -34.0 | -25.5 | -0.9 | 1.0 | 0.5 | 0.4 | 0.2 | 0.2 | 1.0 | -0.2 | -0.7 | -2.5 |
| 2003 | -2.6 | -1.1 | -0.8 | 0.6 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 7.6 | 3.1 | -7.6 |
| | | | | | | | | | | | | |
| Average | -14.3 | -10.0 | -5.3 | -1.8 | -0.2 | 0.5 | 0.2 | 0.6 | 0.5 | 9.9 | 5.7 | -5.5 |
| Critical | -34.9 | -25.1 | -15.6 | -11.1 | -2.8 | 0.9 | 1.3 | 1.5 | 2.2 | 39.3 | 14.1 | -23.9 |
| Dry | -15.3 | -11.9 | -4.4 | 1.2 | 1.1 | 0.7 | 0.7 | 1.5 | 1.1 | 9.4 | 15.0 | -2.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -16.9 | -10.4 | -5.1 | 1.1 | 1.6 | 1.8 | -1.1 | 0.0 | -0.8 | 0.8 | 0.7 | -1.1 |
| Wet | -3.6 | -2.4 | -1.1 | 0.2 | -0.3 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-15. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -2.2 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 4.2 | -0.8 | -8.5 |
| 1977 | -7.8 | -5.1 | -2.9 | -2.1 | -1.2 | 0.0 | 0.4 | 0.3 | 0.4 | 1.7 | -0.3 | -1.0 |
| 1978 | -4.8 | -4.1 | -2.0 | -0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.6 | 1.0 | 2.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -0.9 | 1.1 | 4.0 |
| 1982 | -3.6 | -2.6 | -0.8 | 0.0 | -1.7 | -1.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.6 | 0.9 | 0.5 | 4.3 | 6.8 | -4.3 |
| 1988 | -6.6 | -4.6 | -2.7 | -0.3 | 0.0 | 0.6 | 0.7 | 1.0 | 0.8 | 7.8 | 9.0 | -4.9 |
| 1989 | -7.2 | -4.9 | -2.9 | 0.7 | 0.7 | 0.7 | 0.3 | 1.2 | 0.5 | 2.7 | 1.3 | -1.5 |
| 1990 | -3.0 | -2.2 | -1.6 | -1.2 | 0.0 | 0.7 | 0.7 | 0.4 | 0.6 | 17.2 | 2.0 | -5.7 |
| 1991 | -6.2 | -4.7 | -2.8 | -2.1 | -0.7 | -0.1 | 0.1 | 0.2 | 1.4 | 13.1 | 1.3 | -5.0 |
| 1992 | -5.5 | -4.0 | -2.5 | -2.0 | -1.2 | 0.0 | 0.1 | 0.8 | 0.6 | 8.2 | 7.3 | -3.0 |
| 1993 | -5.5 | -3.9 | -1.7 | 0.6 | 0.3 | 0.3 | 0.2 | 0.2 | -1.6 | -1.1 | 0.3 | 0.2 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.6 | 0.4 | 0.3 | 0.2 | 0.3 | -0.9 | -2.2 | 5.1 |
| 1995 | -1.2 | -1.1 | -1.5 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 9.5 | 8.2 | -1.1 |
| 2002 | -4.7 | -3.6 | -0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.3 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.3 | -0.1 | -0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.7 | 0.8 | -1.4 |
| | | | | | | | | | | | | |
| Average | -1.7 | -1.2 | -0.6 | -0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 2.0 | 1.0 | -0.8 |
| Critical | -4.1 | -2.9 | -1.8 | -1.1 | -0.4 | 0.2 | 0.3 | 0.4 | 0.6 | 7.3 | 2.3 | -3.3 |
| Dry | -2.0 | -1.4 | -0.5 | 0.1 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 2.6 | 2.9 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -1.4 | -0.6 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | -0.3 | 0.3 | 0.2 | -0.2 |
| Wet | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-16. CVP-Jones Intake (CHDMC006) salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|------|------|-------|------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | -15.3 | -2.9 | 0.3 | -0.2 | -0.1 | -0.1 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 21.3 | -4.8 | -47.9 |
| 1977 | -36.9 | -21.0 | -11.4 | -13.1 | 1.9 | 9.7 | 10.8 | 3.2 | 1.5 | -9.4 | -29.3 | -24.1 |
| 1978 | -38.7 | -16.7 | -7.7 | -1.2 | 0.2 | 0.2 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.1 | 0.1 | 2.3 | 0.4 | -2.4 | -0.5 | 0.3 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.1 | -0.2 | 0.0 | 0.0 | -0.2 | 1.3 | 0.6 | 1.1 | -2.5 | 9.3 | 9.0 |
| 1982 | -19.1 | -10.7 | -1.1 | 0.2 | -10.7 | -1.7 | 0.4 | -0.4 | -0.3 | -0.3 | 0.1 | -0.2 |
| 1983 | -0.3 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.4 | 0.0 |
| 1984 | 0.2 | -0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.2 | 0.4 | 0.0 | 0.2 | -0.2 | -0.4 | -0.5 |
| 1986 | -0.2 | -0.3 | -0.1 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.3 | 0.1 | -0.1 | 0.1 | -0.1 | 0.8 | 2.1 | 3.0 | 7.2 | -5.5 | -29.4 |
| 1988 | -29.5 | -15.8 | -8.3 | -1.0 | 0.3 | 10.6 | 1.5 | 7.0 | 6.8 | 9.3 | 24.1 | -27.2 |
| 1989 | -39.8 | -21.7 | -9.1 | 4.8 | 6.9 | 1.4 | 0.2 | 15.1 | 3.5 | -0.7 | 6.8 | -3.4 |
| 1990 | -10.2 | -8.6 | -4.9 | -4.2 | -0.2 | 0.9 | 0.8 | 0.2 | 0.8 | 42.5 | 16.8 | -32.1 |
| 1991 | -40.5 | -22.2 | -11.4 | -3.4 | -1.7 | -0.2 | 0.0 | 0.2 | 3.7 | 36.6 | 12.5 | -29.7 |
| 1992 | -31.7 | -17.8 | -5.7 | -8.0 | -1.7 | -0.2 | -4.3 | 15.4 | 3.7 | 18.3 | 22.4 | -30.5 |
| 1993 | -32.3 | -14.9 | -5.4 | 1.1 | 0.7 | 0.5 | 0.4 | 0.4 | -18.7 | -3.6 | 0.8 | 0.5 |
| 1994 | 0.1 | 0.0 | -0.1 | 0.3 | 1.5 | 0.7 | 0.4 | -0.1 | 0.3 | -8.5 | -18.3 | 19.5 |
| 1995 | -6.0 | -2.7 | -5.1 | 0.0 | 0.2 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.2 | 0.2 |
| 1996 | -0.1 | -0.1 | 0.0 | -0.1 | 0.2 | -0.3 | 0.3 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | 0.0 | 0.4 | 0.1 | 0.3 | -0.2 | -0.4 |
| 1998 | 0.5 | 1.7 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.4 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.1 | 0.0 | -0.1 | -0.3 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | 0.2 | -0.1 | 0.0 |
| 2001 | 0.0 | -0.1 | -0.3 | -0.4 | 0.1 | 0.2 | 2.6 | 0.3 | 2.6 | 16.4 | 11.4 | -17.4 |
| 2002 | -22.9 | -9.8 | 1.1 | 0.3 | 0.3 | 0.2 | 0.1 | 0.0 | 1.1 | -0.1 | -0.5 | -1.6 |
| 2003 | -1.4 | -0.7 | -0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.1 | 3.7 | 1.8 | -3.8 |
| | | | | | | | | | | | | |
| Average | -9.1 | -4.7 | -2.0 | -0.7 | -0.1 | 0.2 | 0.4 | 1.3 | 0.3 | 3.8 | 1.4 | -6.4 |
| Critical | -21.2 | -12.2 | -6.0 | -4.2 | 0.0 | 3.1 | 1.3 | 3.7 | 2.4 | 15.7 | 3.3 | -24.6 |
| Dry | -10.4 | -5.2 | -1.4 | 0.8 | 1.2 | 0.3 | 0.9 | 3.0 | 1.9 | 3.3 | 3.5 | -7.2 |
| BN | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| AN | -12.1 | -5.4 | -1.9 | 0.1 | -0.1 | -2.4 | -0.3 | 0.1 | -3.1 | 0.0 | 0.4 | -0.5 |
| Wet | -2.0 | -0.9 | -0.5 | 0.0 | -0.7 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-17. CVP-Jones Intake (CHDMC006) salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.1 | -0.8 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | -0.7 | -7.9 |
| 1977 | -5.6 | -3.0 | -1.5 | -1.4 | 0.2 | 1.1 | 1.6 | 0.5 | 0.3 | -1.7 | -4.8 | -3.2 |
| 1978 | -4.7 | -2.4 | -1.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.1 | -0.7 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 | -0.6 | 1.7 | 1.4 |
| 1982 | -2.7 | -1.7 | -0.2 | 0.0 | -3.3 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.2 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.8 | 2.1 | -1.2 | -5.8 |
| 1988 | -4.9 | -2.6 | -1.2 | -0.2 | 0.0 | 1.2 | 0.2 | 1.2 | 1.5 | 2.6 | 4.9 | -4.8 |
| 1989 | -5.9 | -3.0 | -1.2 | 0.5 | 0.8 | 0.2 | 0.0 | 2.7 | 1.1 | -0.2 | 1.1 | -0.6 |
| 1990 | -1.8 | -1.4 | -0.7 | -0.6 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 8.3 | 2.5 | -5.0 |
| 1991 | -5.5 | -3.0 | -1.4 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 1.0 | 6.7 | 1.8 | -4.7 |
| 1992 | -4.5 | -2.5 | -0.7 | -0.9 | -0.2 | 0.0 | -0.6 | 2.9 | 1.1 | 5.4 | 4.2 | -4.8 |
| 1993 | -4.7 | -2.4 | -0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -3.7 | -1.0 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | -1.5 | -2.4 | 2.9 |
| 1995 | -0.8 | -0.5 | -0.7 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.4 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.6 | 0.1 | 0.7 | 4.9 | 2.6 | -3.4 |
| 2002 | -3.9 | -1.7 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 1.3 | 0.5 | -0.8 |
| | | | | | | | | | | | | |
| Average | -1.3 | -0.7 | -0.3 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.9 | 0.3 | -1.1 |
| Critical | -3.2 | -1.8 | -0.8 | -0.5 | 0.0 | 0.4 | 0.2 | 0.7 | 0.6 | 3.3 | 0.8 | -3.9 |
| Dry | -1.6 | -0.8 | -0.2 | 0.1 | 0.2 | 0.0 | 0.2 | 0.6 | 0.5 | 1.0 | 0.7 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.6 | -0.8 | -0.2 | 0.0 | -0.1 | -0.7 | -0.1 | 0.0 | -0.6 | 0.1 | 0.1 | -0.1 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-18. SWP-Clifton Court Intake (CHWST000) salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|-------|------|------|-------|------|-------|-------|
| 1970 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | -0.1 | 0.2 | -10.7 | -2.2 | 0.3 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 29.0 | -9.2 | -58.3 |
| 1977 | -50.0 | -27.3 | -15.8 | -17.1 | -1.7 | 6.3 | 7.7 | 3.2 | 1.6 | -3.2 | -32.5 | -28.1 |
| 1978 | -47.1 | -21.1 | -10.3 | -1.5 | 0.5 | 0.4 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.2 | 0.2 | 3.5 | 1.4 | -1.6 | -0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.2 | 0.0 | 0.1 | -0.1 | 1.2 | 0.6 | 1.2 | -3.2 | 15.3 | 11.2 |
| 1982 | -24.8 | -13.6 | -1.6 | 0.3 | -8.2 | -3.6 | 0.4 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.2 | 0.3 | 0.2 | 0.4 | 0.4 | 0.1 | 0.3 | -0.2 | -0.4 | -0.6 |
| 1986 | -0.3 | -0.4 | -0.2 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.2 | 0.1 | -0.2 | 0.1 | 0.0 | 1.7 | 2.7 | 3.1 | 8.3 | 11.5 | -32.8 |
| 1988 | -36.1 | -20.1 | -10.9 | -1.2 | 0.2 | 12.8 | 2.2 | 8.5 | 5.2 | 12.6 | 32.2 | -30.0 |
| 1989 | -47.6 | -27.6 | -11.7 | 6.4 | 7.1 | 2.5 | 0.8 | 12.0 | 2.9 | -0.9 | 9.3 | -4.5 |
| 1990 | -13.4 | -10.9 | -6.8 | -5.6 | -0.2 | 1.2 | 1.3 | 0.6 | 1.0 | 52.9 | 20.2 | -37.4 |
| 1991 | -49.8 | -28.3 | -15.3 | -7.6 | -2.8 | -0.5 | 0.1 | 0.4 | 3.9 | 45.3 | 14.4 | -30.8 |
| 1992 | -39.6 | -22.5 | -11.1 | -11.4 | -3.9 | -0.2 | -2.1 | 9.4 | 3.4 | 18.5 | 23.2 | -33.3 |
| 1993 | -38.3 | -18.1 | -6.9 | 2.0 | 1.1 | 0.8 | 0.5 | 0.4 | -14.4 | -4.6 | 1.0 | 0.7 |
| 1994 | 0.1 | 0.1 | 0.0 | 0.6 | 2.0 | 0.9 | 0.6 | 0.1 | 0.5 | -9.9 | -18.2 | 25.9 |
| 1995 | -7.8 | -3.8 | -6.9 | 0.2 | 0.5 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | 0.3 |
| 1996 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | -0.1 | 0.4 | 0.0 | 0.1 | 0.2 | 0.4 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | -0.1 | 0.4 | 0.2 | 0.0 | -0.2 | -0.6 |
| 1998 | 0.3 | 0.9 | 0.2 | 0.5 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.3 | 0.2 | 0.2 | 0.4 | -0.3 | 0.0 | 0.1 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.6 | 0.1 | 0.1 | 2.4 | 0.3 | 2.8 | 19.1 | 20.9 | -18.4 |
| 2002 | -28.2 | -12.7 | 1.5 | 0.6 | 0.4 | 0.3 | 0.2 | 0.0 | 1.5 | -0.1 | -0.6 | -2.1 |
| 2003 | -1.7 | -0.9 | -0.4 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 | 4.9 | 2.0 | -5.0 |
| | | | | | | | | | | | | |
| Average | -11.3 | -6.1 | -2.7 | -1.0 | -0.1 | 0.3 | 0.5 | 1.2 | 0.4 | 5.0 | 2.6 | -7.2 |
| Critical | -27.0 | -15.6 | -8.6 | -6.0 | -0.9 | 2.9 | 1.4 | 3.2 | 2.3 | 20.8 | 4.3 | -27.4 |
| Dry | -12.6 | -6.7 | -1.7 | 1.1 | 1.3 | 0.5 | 1.1 | 2.6 | 2.0 | 3.8 | 9.3 | -7.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -14.5 | -6.6 | -2.3 | 0.3 | 0.1 | -1.6 | -0.1 | 0.2 | -2.4 | 0.1 | 0.5 | -0.7 |
| Wet | -2.5 | -1.3 | -0.7 | 0.1 | -0.5 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-19. SWP-Clifton Court Intake (CHWST000) salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.9 | -0.6 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.8 | -1.3 | -9.3 |
| 1977 | -6.9 | -3.7 | -2.0 | -1.8 | -0.2 | 0.9 | 1.4 | 0.6 | 0.3 | -0.6 | -5.1 | -3.5 |
| 1978 | -5.4 | -3.0 | -1.3 | -0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.6 | 0.3 | -0.5 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 | -0.8 | 2.7 | 1.6 |
| 1982 | -3.2 | -2.1 | -0.4 | 0.1 | -2.3 | -1.0 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.9 | 2.5 | 2.7 | -6.4 |
| 1988 | -5.6 | -3.3 | -1.6 | -0.2 | 0.0 | 1.8 | 0.4 | 1.6 | 1.2 | 3.6 | 6.5 | -5.2 |
| 1989 | -6.7 | -3.6 | -1.5 | 0.7 | 0.9 | 0.4 | 0.1 | 2.5 | 1.0 | -0.2 | 1.4 | -0.7 |
| 1990 | -2.2 | -1.7 | -1.0 | -0.8 | 0.0 | 0.2 | 0.3 | 0.1 | 0.3 | 10.0 | 2.8 | -5.7 |
| 1991 | -6.4 | -3.6 | -1.8 | -0.9 | -0.3 | -0.1 | 0.0 | 0.1 | 1.1 | 8.0 | 2.0 | -4.8 |
| 1992 | -5.3 | -3.0 | -1.4 | -1.3 | -0.5 | 0.0 | -0.4 | 2.1 | 1.0 | 5.3 | 4.2 | -5.1 |
| 1993 | -5.4 | -2.9 | -0.9 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | -3.7 | -1.7 | 0.3 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | -1.6 | -2.3 | 3.7 |
| 1995 | -1.1 | -0.7 | -1.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.6 | 0.1 | 0.8 | 6.1 | 5.0 | -3.7 |
| 2002 | -4.5 | -2.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 1.9 | 0.6 | -1.2 |
| | | | | | | | | | | | | |
| Average | -1.6 | -0.9 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 1.1 | 0.6 | -1.2 |
| Critical | -3.8 | -2.2 | -1.1 | -0.7 | -0.1 | 0.4 | 0.3 | 0.6 | 0.6 | 4.2 | 1.0 | -4.3 |
| Dry | -1.9 | -0.9 | -0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.6 | 0.6 | 1.2 | 1.9 | -1.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -1.0 | -0.3 | 0.1 | 0.0 | -0.5 | 0.0 | 0.0 | -0.6 | 0.0 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-20. Old River near Middle River location salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|------|------|------|-------|------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.1 | -20.9 | -1.4 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.3 | 0.1 |
| 1977 | -0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 | 0.0 | 0.0 | -0.4 | -0.1 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | -0.1 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.3 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | 0.1 | -0.4 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | -0.6 | 0.1 | 0.2 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.2 | 0.1 | 0.2 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.1 | -0.3 | -1.1 | -0.3 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -3.5 | -0.8 | 0.1 |
| 1992 | -0.2 | 0.4 | -0.1 | 0.3 | -0.1 | 0.1 | -9.1 | -0.8 | 0.2 | -23.1 | -2.9 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 18.4 | 1.4 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.4 | -0.4 | 0.2 | -0.1 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 2.9 | -0.2 | -0.4 | -0.4 | -0.4 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.3 | -0.1 | 0.3 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 | -0.1 | 0.0 | 0.6 | -0.8 | -0.2 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.3 | -0.2 | -0.1 | -4.0 | -0.7 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.1 | -0.1 | -0.2 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | -3.4 | 0.0 | 0.1 | 3.1 | 0.1 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-21. Old River near Middle River location salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -6.0 | -0.4 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.1 | 0.0 | -3.1 | -0.4 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.7 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -0.5 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-22. CCWD Old River Intake (ROLD034) salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -8.7 | -3.7 | -0.2 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 30.7 | -32.4 | -62.4 |
| 1977 | -57.3 | -31.3 | -21.2 | -19.6 | -5.3 | 1.8 | 3.8 | 2.1 | 1.8 | 0.9 | -27.4 | -34.0 |
| 1978 | -51.0 | -23.6 | -13.3 | -1.9 | 0.7 | 0.5 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.3 | 0.3 | 4.1 | 2.3 | 7.8 | -0.3 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.3 | 0.1 | 0.2 | 0.0 | 0.2 | 0.4 | 0.9 | -3.8 | 17.3 | 10.0 |
| 1982 | -29.2 | -15.4 | -1.8 | 0.2 | -8.2 | -4.4 | 0.4 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.1 | -0.1 |
| 1984 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | -0.3 | -0.5 | -0.7 |
| 1986 | -0.4 | -0.6 | -0.3 | 0.6 | 0.1 | 0.4 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.3 | 0.1 | 0.1 | 4.2 | 4.3 | 2.4 | 12.4 | 19.7 | -32.4 |
| 1988 | -40.3 | -23.1 | -14.1 | -1.4 | 0.0 | 6.0 | 3.1 | 6.9 | 4.1 | 21.5 | 29.0 | -34.7 |
| 1989 | -52.1 | -32.0 | -13.6 | 9.2 | 7.5 | 3.9 | 1.5 | 6.5 | 2.2 | -1.0 | 9.4 | -5.7 |
| 1990 | -15.5 | -12.8 | -10.4 | -7.1 | 0.0 | 1.9 | 1.9 | 1.2 | 1.3 | 57.0 | 18.7 | -41.7 |
| 1991 | -54.3 | -31.5 | -22.0 | -14.4 | -4.2 | -0.9 | 0.4 | 0.7 | 4.3 | 48.6 | 13.0 | -33.7 |
| 1992 | -44.7 | -25.2 | -18.4 | -16.5 | -8.4 | -0.3 | 0.3 | 4.6 | 2.9 | 26.5 | 23.8 | -36.7 |
| 1993 | -41.5 | -19.5 | -8.1 | 3.9 | 1.6 | 1.0 | 0.6 | 0.6 | -8.4 | -3.7 | 1.1 | 0.7 |
| 1994 | 0.1 | 0.1 | 0.0 | 1.0 | 2.7 | 1.1 | 0.8 | 0.6 | 0.6 | -11.3 | -16.8 | 30.7 |
| 1995 | -8.7 | -4.9 | -8.4 | 0.7 | 0.8 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 |
| 1996 | 0.0 | -0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | 0.3 | 0.4 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.3 | -0.1 | 0.0 | 0.3 | 0.2 | -0.1 | -0.2 | -0.7 |
| 1998 | 0.3 | 0.3 | 0.3 | 0.7 | 0.3 | 0.0 | 0.0 | 0.4 | 0.3 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.1 | 0.2 | 0.2 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.2 | -0.4 | 0.1 | 0.2 | 0.3 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.5 | -0.7 | 0.2 | 0.1 | 0.7 | 0.7 | 2.6 | 24.7 | 25.4 | -17.4 |
| 2002 | -31.3 | -14.2 | 2.3 | 0.9 | 0.5 | 0.4 | 0.2 | 0.1 | 1.4 | -0.2 | -0.7 | -2.3 |
| 2003 | -1.9 | -1.1 | -0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 6.4 | 2.0 | -5.6 |
| | | | | | | | | | | | | |
| Average | -12.6 | -6.9 | -3.7 | -1.2 | -0.1 | 0.1 | 0.5 | 0.9 | 0.5 | 6.1 | 2.4 | -7.8 |
| Critical | -30.3 | -17.7 | -12.3 | -8.3 | -2.2 | 1.4 | 1.5 | 2.3 | 2.2 | 24.9 | 1.1 | -30.4 |
| Dry | -13.9 | -7.7 | -2.0 | 1.6 | 1.5 | 0.8 | 1.2 | 2.1 | 1.6 | 5.3 | 11.8 | -8.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -15.8 | -7.3 | -3.0 | 0.8 | 1.7 | -1.2 | -0.4 | 0.2 | -1.4 | 0.5 | 0.5 | -0.8 |
| Wet | -2.9 | -1.6 | -0.8 | 0.2 | -0.5 | -0.3 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-23. CCWD Old River Intake (ROLD034) salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | -1.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 4.7 | -4.1 | -9.3 |
| 1977 | -7.3 | -4.0 | -2.6 | -1.9 | -0.8 | 0.3 | 0.8 | 0.5 | 0.4 | 0.2 | -4.0 | -3.9 |
| 1978 | -5.5 | -3.2 | -1.7 | -0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.6 | 0.5 | 2.2 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.3 | -0.9 | 2.8 | 1.3 |
| 1982 | -3.4 | -2.2 | -0.6 | 0.1 | -2.4 | -1.3 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.8 | 1.0 | 0.7 | 3.7 | 4.4 | -6.0 |
| 1988 | -6.0 | -3.6 | -2.1 | -0.3 | 0.0 | 1.2 | 0.7 | 1.5 | 1.0 | 6.1 | 5.5 | -5.7 |
| 1989 | -6.9 | -3.9 | -1.6 | 0.9 | 1.1 | 0.7 | 0.3 | 1.8 | 0.8 | -0.2 | 1.3 | -0.8 |
| 1990 | -2.4 | -1.9 | -1.4 | -1.0 | 0.0 | 0.5 | 0.5 | 0.3 | 0.3 | 9.9 | 2.4 | -5.9 |
| 1991 | -6.5 | -3.7 | -2.4 | -1.6 | -0.6 | -0.2 | 0.1 | 0.2 | 1.2 | 7.8 | 1.7 | -5.0 |
| 1992 | -5.6 | -3.1 | -2.2 | -1.8 | -1.1 | -0.1 | 0.1 | 1.2 | 0.9 | 7.3 | 4.0 | -5.2 |
| 1993 | -5.6 | -3.1 | -1.0 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | -2.5 | -1.5 | 0.3 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.3 | 0.2 | 0.1 | 0.2 | -1.7 | -2.0 | 4.0 |
| 1995 | -1.1 | -0.9 | -1.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.8 | 7.7 | 5.8 | -3.3 |
| 2002 | -4.8 | -2.3 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.2 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.4 | 0.5 | -1.2 |
| | | | | | | | | | | | | |
| Average | -1.6 | -0.9 | -0.5 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 1.3 | 0.5 | -1.2 |
| Critical | -4.0 | -2.3 | -1.5 | -0.9 | -0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 4.9 | 0.5 | -4.4 |
| Dry | -2.0 | -1.0 | -0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 1.7 | 2.4 | -1.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.9 | -1.1 | -0.4 | 0.1 | 0.5 | -0.4 | -0.1 | 0.0 | -0.4 | 0.2 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-24. Old River location (ROLD059) salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|-------|-------|------|------|------|-------|-------|-------|
| 1970 | 0.2 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.2 | -0.2 |
| 1971 | -0.1 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.2 | -0.2 | -0.2 |
| 1972 | 0.1 | -0.2 | 0.2 | -0.2 | 0.1 | 0.2 | 0.3 | -0.3 | 0.0 | 0.2 | -0.1 | -0.3 |
| 1973 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | -18.2 | -2.1 | 0.3 | 0.1 | -0.3 | -0.2 | -0.3 |
| 1974 | -0.4 | 0.3 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.1 | 0.1 | -0.2 | 0.3 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.3 | 0.0 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -24.9 | -4.7 |
| 1977 | 0.0 | -1.1 | -0.2 | 0.3 | 0.1 | 0.0 | 0.5 | 0.3 | 0.9 | 2.2 | -17.0 | -15.4 |
| 1978 | -9.4 | -0.2 | 0.1 | -0.3 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.2 | 0.4 |
| 1979 | 0.2 | 0.3 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 1980 | 0.2 | -0.2 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.2 | -0.3 | -0.1 |
| 1981 | 0.3 | 0.1 | -0.1 | -0.1 | -0.1 | -0.3 | 1.4 | 0.6 | 0.1 | -0.1 | -5.7 | -1.8 |
| 1982 | 0.3 | -0.2 | 0.3 | -0.1 | -12.5 | -1.4 | 0.4 | -0.4 | -0.3 | -0.3 | 0.3 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.3 | 0.2 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.3 | -0.3 | -0.3 | 0.1 |
| 1986 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | 0.0 | -1.3 | 11.0 | 52.5 | 8.6 |
| 1988 | -0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.2 | 0.4 | -0.1 | 2.3 | 77.1 | 36.8 | -6.6 |
| 1989 | 1.8 | 0.3 | 0.1 | -0.2 | -0.4 | 0.2 | -0.3 | 0.1 | -1.3 | -0.5 | -4.8 | -2.2 |
| 1990 | -0.2 | -0.3 | -0.2 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | 0.5 | 34.3 | 19.4 | -10.7 |
| 1991 | 0.4 | 0.1 | -0.4 | 0.2 | -0.2 | 0.0 | -0.3 | 0.0 | -0.5 | 57.0 | 21.1 | -16.5 |
| 1992 | -0.2 | 0.1 | -0.2 | 0.3 | -0.1 | 0.1 | -7.7 | -1.8 | 0.5 | 100.8 | 27.5 | -8.9 |
| 1993 | -10.5 | -5.1 | 0.3 | 0.3 | 0.2 | 0.2 | 0.4 | 0.4 | 16.3 | 2.7 | 0.3 | 0.0 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 | 0.2 | 0.3 | -0.4 | 0.1 | 0.1 | -41.7 | -18.0 |
| 1995 | 0.2 | 0.5 | 0.3 | 0.0 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.3 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.2 | 0.2 | -0.3 | 0.4 | 0.0 | 0.1 | -0.1 | -0.1 | 0.1 |
| 1997 | -0.3 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.3 | 0.2 |
| 1998 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.4 | 0.1 |
| 1999 | -0.3 | 0.0 | -0.3 | -0.4 | 0.0 | 0.0 | 0.4 | 0.3 | 0.4 | -0.2 | 0.0 | 0.0 |
| 2000 | 0.1 | -0.2 | -0.3 | -0.2 | 0.2 | 0.3 | 0.4 | -0.3 | 0.1 | 0.0 | -0.1 | 0.0 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 2.8 | 0.0 | -0.7 | 9.5 | 57.5 | 13.8 |
| 2002 | 0.2 | 0.1 | 0.3 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.4 | -0.2 | 0.3 | 0.1 |
| 2003 | 0.0 | 0.1 | 0.0 | 0.2 | 0.4 | 0.5 | 0.3 | 0.0 | -0.2 | 0.3 | 0.0 | 0.2 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.2 | 0.0 | 0.0 | -0.3 | -0.5 | 0.0 | 0.0 | 0.6 | 8.6 | 3.5 | -1.8 |
| Critical | 0.0 | -0.2 | -0.2 | 0.1 | 0.1 | 0.1 | -1.0 | -0.3 | 0.5 | 38.8 | 3.0 | -11.5 |
| Dry | 0.4 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.7 | 3.2 | 16.6 | 3.1 |
| BN | 0.2 | 0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | 0.0 | 0.1 | 0.2 | 0.0 | -0.1 |
| AN | -3.2 | -0.9 | 0.0 | 0.0 | 0.2 | -2.9 | -0.1 | 0.1 | 2.8 | 0.4 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |

Table 1-25. Old River location (ROLD059) salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.8 | -0.6 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.6 | -0.7 |
| 1977 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | -2.7 | -2.1 |
| 1978 | -1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | 0.1 | 0.0 | 0.0 | -0.9 | -0.3 |
| 1982 | 0.1 | 0.0 | 0.0 | 0.0 | -3.9 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 1.7 | 9.1 | 1.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 13.3 | 6.8 | -1.1 |
| 1989 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.2 | -0.1 | -0.7 | -0.4 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.5 | 2.8 | -1.6 |
| 1991 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 8.8 | 3.0 | -2.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.2 | 0.1 | 22.2 | 5.0 | -1.4 |
| 1993 | -1.5 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.4 | 0.4 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -5.6 | -2.6 |
| 1995 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 1.5 | 10.1 | 2.4 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 1.6 | 0.7 | -0.3 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 7.2 | 0.8 | -1.7 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | -0.1 | 0.5 | 2.9 | 0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-26. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -4.2 | 22.2 | 18.8 | -32.4 |
| 1977 | -31.9 | -20.6 | -9.7 | -6.5 | -2.1 | -0.7 | -0.3 | -0.8 | -5.0 | 4.2 | 9.6 | 14.6 |
| 1978 | -18.4 | -17.2 | -8.4 | -1.4 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -18.9 | -13.6 | 36.7 |
| 1982 | -15.8 | -7.9 | -2.3 | 0.2 | -5.7 | -5.9 | -0.6 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | -0.1 | 0.1 | 0.1 | -0.1 | -0.1 |
| 1984 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 9.2 | 20.9 | -10.5 |
| 1988 | -17.9 | -12.4 | -7.0 | -1.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.4 | 15.5 | 35.4 | -9.0 |
| 1989 | -20.5 | -16.7 | -7.4 | -4.6 | -1.7 | -0.6 | 0.3 | 0.4 | 0.2 | -2.5 | -2.0 | 6.9 |
| 1990 | -1.3 | -0.7 | -0.3 | -0.3 | 0.3 | 1.4 | 1.1 | 0.4 | -1.2 | 73.0 | 15.6 | -16.4 |
| 1991 | -19.0 | -18.4 | -10.5 | -6.1 | -2.3 | -0.7 | -0.2 | -0.2 | -1.9 | 63.3 | 11.4 | -15.2 |
| 1992 | -17.3 | -15.1 | -8.2 | -5.1 | -1.5 | -0.1 | 0.0 | 0.0 | 0.9 | 17.1 | 29.7 | 1.3 |
| 1993 | -13.7 | -9.7 | -5.5 | -1.5 | 0.9 | 0.5 | 0.2 | 0.5 | -5.1 | -2.9 | 0.8 | 0.7 |
| 1994 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -16.7 | -24.4 | 26.0 |
| 1995 | 2.0 | -1.9 | -2.9 | -1.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.2 | 0.2 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 16.6 | 19.4 | 4.5 |
| 2002 | -7.7 | -9.0 | -3.7 | -1.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 2.5 | -1.9 | -8.7 |
| | | | | | | | | | | | | |
| Average | -4.7 | -3.8 | -1.9 | -0.9 | -0.3 | -0.1 | 0.0 | 0.0 | -0.4 | 5.4 | 3.5 | 0.0 |
| Critical | -12.5 | -9.6 | -5.1 | -2.8 | -0.9 | 0.0 | 0.1 | -0.1 | -1.7 | 25.5 | 13.7 | -4.4 |
| Dry | -4.7 | -4.3 | -1.8 | -0.9 | -0.3 | -0.1 | 0.0 | 0.1 | 0.1 | 0.8 | 4.2 | 6.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -5.3 | -4.5 | -2.3 | -0.5 | 0.2 | 0.2 | 0.1 | 0.2 | -0.8 | 0.0 | -0.2 | -1.3 |
| Wet | -1.1 | -0.8 | -0.4 | -0.1 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-27. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.9 | 3.5 | 2.0 | -4.4 |
| 1977 | -3.7 | -2.3 | -1.1 | -0.6 | -0.3 | -0.1 | -0.1 | -0.2 | -1.0 | 0.7 | 1.3 | 1.5 |
| 1978 | -1.7 | -2.1 | -0.9 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.3 | -1.9 | 4.5 |
| 1982 | -1.6 | -0.9 | -0.7 | 0.0 | -1.7 | -1.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.6 | 4.2 | -1.9 |
| 1988 | -2.4 | -1.7 | -0.9 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 4.2 | 6.0 | -1.4 |
| 1989 | -2.6 | -1.8 | -0.9 | -0.4 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | -0.5 | -0.2 | 0.9 |
| 1990 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.3 | 0.1 | -0.3 | 12.6 | 1.8 | -2.1 |
| 1991 | -2.0 | -2.0 | -1.0 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | -0.5 | 9.9 | 1.3 | -2.0 |
| 1992 | -2.0 | -1.7 | -0.9 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.3 | 4.4 | 4.5 | 0.2 |
| 1993 | -1.6 | -1.4 | -0.7 | -0.2 | 0.2 | 0.1 | 0.0 | 0.1 | -1.7 | -1.2 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -2.7 | -2.4 | 3.1 |
| 1995 | 0.2 | -0.3 | -0.4 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 4.0 | 0.8 |
| 2002 | -1.1 | -1.3 | -0.4 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | -0.5 | -1.6 |
| Average | -0.5 | -0.5 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 1.0 | 0.6 | -0.1 |
| Critical | -1.5 | -1.1 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | -0.4 | 4.7 | 2.1 | -0.7 |
| Dry | -0.6 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-28. CVP-Jones Intake (CHDMC006) salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|-------|------|------|------|-------|-------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.3 | -0.1 | 0.3 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -1.5 | 20.5 | 14.2 | -22.4 |
| 1977 | -17.4 | -9.8 | -4.4 | -3.4 | -0.7 | -0.3 | -0.1 | 0.2 | -2.1 | -9.9 | -18.9 | -10.1 |
| 1978 | -18.5 | -9.1 | -3.8 | -0.9 | 0.1 | 0.1 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | -0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.1 | 0.0 | -0.1 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.2 | -0.3 | 0.3 | -0.3 | -2.2 | 0.2 | 14.7 |
| 1982 | -7.6 | -5.0 | -1.0 | 0.2 | -10.7 | -1.7 | 0.4 | -0.4 | -0.3 | -0.3 | 0.1 | -0.2 |
| 1983 | -0.3 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.4 | 0.0 |
| 1984 | 0.2 | -0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | -0.1 | 0.3 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1986 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.4 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.2 | 3.1 | -2.7 | -13.8 |
| 1988 | -11.7 | -6.3 | -3.0 | -0.8 | 0.3 | 0.1 | 0.3 | -0.1 | 0.1 | 3.2 | 18.0 | -8.4 |
| 1989 | -15.3 | -8.1 | -3.3 | -2.3 | -0.9 | 0.0 | -0.2 | 0.2 | 0.2 | -2.1 | 0.4 | 2.6 |
| 1990 | -0.8 | -0.4 | -0.2 | -0.1 | 0.2 | 0.5 | 0.4 | 0.1 | -0.3 | 24.1 | 14.7 | -13.7 |
| 1991 | -17.0 | -9.6 | -4.4 | -1.0 | -1.1 | -0.2 | -0.2 | 0.0 | -1.2 | 21.4 | 12.1 | -13.5 |
| 1992 | -13.5 | -8.0 | -2.3 | -2.2 | -0.4 | -0.1 | -0.2 | 0.0 | 0.3 | 20.3 | 11.1 | -11.4 |
| 1993 | -11.2 | -5.6 | -2.9 | -0.4 | 0.4 | 0.3 | 0.4 | 0.4 | -18.8 | -3.8 | 0.6 | 0.3 |
| 1994 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | -0.2 | -0.2 | -16.6 | -17.9 | 12.8 |
| 1995 | 0.9 | -1.1 | -1.6 | -0.4 | -0.1 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.1 | 0.0 |
| 1996 | -0.2 | -0.1 | -0.1 | -0.1 | 0.1 | -0.3 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.1 | -0.1 | 0.0 | 0.2 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.2 | 0.0 |
| 1999 | -0.1 | 0.0 | -0.1 | -0.3 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.1 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | 0.2 | 0.1 | -0.3 | -0.2 | 21.9 | 9.1 | -6.3 |
| 2002 | -7.7 | -4.0 | -1.7 | -0.4 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.0 | 0.0 | 1.6 | -1.4 | -4.0 |
| Average | -3.5 | -2.0 | -0.9 | -0.4 | -0.3 | 0.0 | 0.1 | 0.0 | -0.6 | 2.4 | 1.1 | -2.2 |
| Critical | -8.6 | -4.9 | -2.1 | -1.1 | -0.2 | 0.0 | 0.1 | 0.0 | -0.7 | 9.0 | 4.8 | -9.5 |
| Dry | -3.8 | -2.0 | -0.9 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 1.2 | -0.4 |
| BN | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -4.9 | -2.4 | -1.1 | -0.2 | 0.2 | 0.2 | 0.2 | 0.1 | -3.1 | -0.4 | -0.1 | -0.6 |
| Wet | -0.5 | -0.5 | -0.2 | 0.0 | -0.8 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-29. CVP-Jones Intake (CHDMC006) salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 3.5 | 2.1 | -3.7 |
| 1977 | -2.6 | -1.4 | -0.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | -0.4 | -1.8 | -3.1 | -1.3 |
| 1978 | -2.3 | -1.3 | -0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | -0.1 | -0.6 | 0.0 | 2.3 |
| 1982 | -1.1 | -0.8 | -0.2 | 0.0 | -3.3 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.2 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | -0.6 | -2.7 |
| 1988 | -1.9 | -1.1 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.6 | -1.5 |
| 1989 | -2.3 | -1.1 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.5 | 0.1 | 0.4 |
| 1990 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | 4.7 | 2.1 | -2.1 |
| 1991 | -2.3 | -1.3 | -0.5 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 3.9 | 1.7 | -2.2 |
| 1992 | -1.9 | -1.1 | -0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.0 | 2.1 | -1.8 |
| 1993 | -1.6 | -0.9 | -0.4 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -3.7 | -1.0 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.8 | -2.4 | 1.9 |
| 1995 | 0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 6.5 | 2.1 | -1.2 |
| 2002 | -1.3 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.6 | -0.4 | -0.9 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.3 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | 0.2 | -0.4 |
| Critical | -1.3 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.0 | 0.9 | -1.5 |
| Dry | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.3 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.6 | -0.1 | 0.0 | -0.1 |
| Wet | -0.1 | -0.1 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-30. SWP-Clifton Court Intake (CHWST000) salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|------|------|------|------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.2 | -0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -2.3 | 28.1 | 16.4 | -28.2 |
| 1977 | -23.4 | -12.5 | -5.8 | -4.3 | -1.3 | -0.6 | -0.2 | 0.0 | -3.0 | -7.0 | -20.6 | -11.3 |
| 1978 | -22.3 | -11.3 | -5.0 | -1.1 | 0.2 | 0.2 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | 0.2 | -0.2 | -12.1 | 3.0 | 18.0 |
| 1982 | -10.0 | -6.3 | -1.4 | 0.2 | -8.2 | -3.6 | 0.4 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.2 | 4.9 | 8.2 | -15.3 |
| 1988 | -14.0 | -7.9 | -4.0 | -1.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.1 | 5.6 | 22.4 | -8.6 |
| 1989 | -17.8 | -10.2 | -4.4 | -2.8 | -1.2 | -0.3 | -0.1 | 0.3 | 0.2 | -2.4 | 0.7 | 3.5 |
| 1990 | -1.0 | -0.4 | -0.2 | -0.2 | 0.2 | 0.8 | 0.7 | 0.3 | -0.5 | 30.9 | 17.9 | -15.7 |
| 1991 | -20.5 | -12.1 | -5.8 | -2.4 | -1.7 | -0.4 | -0.2 | -0.1 | -1.3 | 27.1 | 14.1 | -13.3 |
| 1992 | -16.6 | -9.9 | -4.2 | -3.0 | -0.9 | -0.1 | -0.1 | 0.0 | 0.4 | 9.1 | 11.5 | -12.0 |
| 1993 | -13.2 | -6.7 | -3.9 | -0.8 | 0.6 | 0.4 | 0.4 | 0.4 | -14.6 | -4.8 | 0.7 | 0.5 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | -0.2 | -18.9 | -19.2 | 16.8 |
| 1995 | 1.0 | -1.4 | -2.2 | -0.6 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1996 | -0.1 | -0.1 | -0.1 | -0.1 | 0.1 | -0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.2 | 0.4 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.2 | 0.0 | 12.4 | 13.8 | -6.0 |
| 2002 | -9.3 | -5.3 | -2.5 | -0.6 | 0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 1.5 | -1.6 | -5.2 |
| Average | -4.3 | -2.5 | -1.2 | -0.5 | -0.3 | -0.1 | 0.1 | 0.0 | -0.6 | 2.2 | 2.0 | -2.3 |
| Critical | -10.8 | -6.1 | -2.9 | -1.6 | -0.5 | 0.0 | 0.1 | 0.0 | -1.0 | 10.7 | 6.1 | -10.3 |
| Dry | -4.5 | -2.6 | -1.2 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.3 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -5.9 | -3.0 | -1.5 | -0.3 | 0.2 | 0.1 | 0.2 | 0.2 | -2.4 | -0.5 | -0.2 | -0.8 |
| Wet | -0.7 | -0.6 | -0.3 | 0.0 | -0.6 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-31. SWP-Clifton Court Intake (CHWST000) salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 4.7 | 2.3 | -4.5 |
| 1977 | -3.3 | -1.7 | -0.7 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | -0.6 | -1.3 | -3.2 | -1.4 |
| 1978 | -2.6 | -1.6 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | -3.1 | 0.5 | 2.6 |
| 1982 | -1.3 | -1.0 | -0.4 | 0.0 | -2.4 | -1.1 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 1.9 | -3.0 |
| 1988 | -2.2 | -1.3 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.5 | -1.5 |
| 1989 | -2.5 | -1.3 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -0.5 | 0.1 | 0.6 |
| 1990 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 | 5.8 | 2.5 | -2.4 |
| 1991 | -2.6 | -1.5 | -0.7 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | -0.4 | 4.8 | 1.9 | -2.1 |
| 1992 | -2.2 | -1.3 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 2.6 | 2.1 | -1.8 |
| 1993 | -1.9 | -1.1 | -0.5 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -3.8 | -1.7 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.1 | -2.4 | 2.4 |
| 1995 | 0.1 | -0.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 3.9 | 3.3 | -1.2 |
| 2002 | -1.5 | -0.9 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.6 | -0.5 | -1.2 |
| | | | | | | | | | | | | |
| Average | -0.6 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.5 | 0.4 | -0.4 |
| Critical | -1.5 | -0.8 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 2.2 | 1.1 | -1.6 |
| Dry | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.6 | -0.2 | 0.0 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-32. Old River near Middle River salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|--------|-------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.2 | 0.4 | -0.1 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.2 | 0.1 |
| 1977 | -0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 | 0.0 | 0.0 | -0.4 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | -0.3 | 0.4 | 0.0 | -24.6 | -2.6 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.2 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | 0.1 | -0.3 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | -0.5 | 0.2 | 0.2 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.2 | 0.1 | 0.2 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.1 | -0.3 | -0.2 | 0.0 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -1.9 | -0.6 | 0.1 |
| 1992 | -0.2 | 0.4 | -0.1 | 0.3 | -0.1 | 0.1 | -0.4 | 0.2 | 0.2 | -110.4 | -25.7 | 0.0 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 18.4 | 1.4 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.4 | -0.4 | 0.5 | 0.0 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 0.1 | -0.4 | -0.4 | -31.4 | -3.9 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.3 | -0.1 | 0.2 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.6 | -4.9 | -1.0 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -16.1 | -3.8 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -9.4 | -1.2 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 3.1 | 0.1 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-33. Old River near Middle River salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | -3.9 | -0.4 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -14.8 | -3.3 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.7 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -4.8 | -0.6 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | -0.1 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -0.5 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.2 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-34. CCWD Old River Intake (ROLD034) salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -3.2 | 30.0 | 0.9 | -31.8 |
| 1977 | -26.7 | -14.2 | -7.4 | -4.9 | -1.9 | -0.8 | -0.3 | -0.4 | -3.7 | -3.0 | -16.1 | -13.4 |
| 1978 | -24.1 | -12.4 | -6.4 | -1.4 | 0.4 | 0.3 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.4 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -15.3 | 3.9 | 19.5 |
| 1982 | -11.8 | -7.1 | -1.7 | 0.2 | -8.3 | -4.4 | 0.4 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | -0.1 | -0.1 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.1 | -0.1 |
| 1984 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 7.5 | 13.8 | -14.6 |
| 1988 | -15.1 | -8.7 | -5.2 | -1.5 | -0.3 | -0.1 | 0.0 | 0.0 | 0.2 | 11.3 | 20.9 | -10.7 |
| 1989 | -19.1 | -11.4 | -5.5 | -3.5 | -1.6 | -0.6 | 0.2 | 0.4 | 0.2 | -2.6 | 0.9 | 3.7 |
| 1990 | -1.2 | -0.4 | -0.2 | -0.2 | 0.3 | 1.2 | 1.0 | 0.5 | -0.7 | 34.1 | 17.6 | -16.9 |
| 1991 | -22.1 | -13.5 | -7.9 | -4.9 | -2.4 | -0.9 | -0.2 | -0.1 | -1.5 | 30.0 | 13.8 | -13.9 |
| 1992 | -18.4 | -10.9 | -6.3 | -4.0 | -1.6 | -0.1 | 0.0 | 0.0 | 0.6 | 14.3 | 11.4 | -13.0 |
| 1993 | -14.1 | -7.0 | -4.9 | -1.4 | 0.8 | 0.5 | 0.3 | 0.4 | -8.7 | -3.9 | 0.7 | 0.5 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -21.0 | -16.9 | 20.8 |
| 1995 | 0.7 | -1.6 | -2.8 | -1.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1996 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.4 | -0.3 | -0.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.4 | 0.3 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 14.6 | 14.8 | -4.3 |
| 2002 | -10.0 | -6.1 | -3.3 | -0.9 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 2.1 | -2.0 | -5.9 |
| Average | -4.8 | -2.7 | -1.5 | -0.7 | -0.4 | -0.1 | 0.1 | 0.1 | -0.5 | 2.9 | 1.9 | -2.4 |
| Critical | -11.9 | -6.8 | -3.9 | -2.2 | -0.9 | -0.1 | 0.1 | 0.0 | -1.2 | 13.7 | 4.5 | -11.3 |
| Dry | -4.8 | -2.9 | -1.5 | -0.7 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.7 | 5.6 | 0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -6.4 | -3.2 | -1.9 | -0.5 | 0.2 | 0.1 | 0.2 | 0.2 | -1.4 | -0.3 | -0.2 | -0.9 |
| Wet | -0.9 | -0.7 | -0.3 | -0.1 | -0.6 | -0.3 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-35. CCWD Old River Intake (ROLD034) salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | 4.6 | 0.1 | -4.8 |
| 1977 | -3.4 | -1.8 | -0.9 | -0.5 | -0.3 | -0.1 | -0.1 | -0.1 | -0.8 | -0.5 | -2.3 | -1.5 |
| 1978 | -2.6 | -1.7 | -0.8 | -0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.7 | 0.6 | 2.6 |
| 1982 | -1.4 | -1.0 | -0.6 | 0.0 | -2.4 | -1.3 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 3.1 | -2.7 |
| 1988 | -2.2 | -1.4 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 3.2 | 4.0 | -1.8 |
| 1989 | -2.5 | -1.4 | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | -0.6 | 0.1 | 0.6 |
| 1990 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | 0.1 | -0.2 | 5.9 | 2.3 | -2.4 |
| 1991 | -2.7 | -1.6 | -0.9 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | -0.4 | 4.8 | 1.8 | -2.0 |
| 1992 | -2.3 | -1.4 | -0.7 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 3.9 | 1.9 | -1.8 |
| 1993 | -1.9 | -1.1 | -0.6 | -0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -2.6 | -1.5 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -3.2 | -2.0 | 2.7 |
| 1995 | 0.1 | -0.3 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 3.4 | -0.8 |
| 2002 | -1.5 | -1.0 | -0.6 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | -0.5 | -1.3 |
| Average | -0.6 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | 0.4 | -0.4 |
| Critical | -1.5 | -0.9 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 2.7 | 0.8 | -1.7 |
| Dry | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.2 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -0.1 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-36. Old River location (ROLD059) salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|-------|-------|-------|
| 1970 | 0.2 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.2 | -0.2 |
| 1971 | -0.1 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.2 | -0.2 | -0.2 |
| 1972 | 0.1 | -0.2 | 0.2 | -0.2 | 0.1 | 0.2 | 0.3 | -0.3 | 0.0 | 0.2 | -0.1 | -0.3 |
| 1973 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | 0.4 | -0.1 | 0.3 | 0.1 | -0.3 | -0.2 | -0.3 |
| 1974 | -0.4 | 0.3 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.1 | 0.1 | -0.2 | 0.3 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.3 | 0.0 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | -0.6 | -0.3 | 1.7 | 4.3 |
| 1977 | -0.1 | 0.0 | -0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | -1.3 | -2.0 | -13.0 | -6.8 |
| 1978 | -4.1 | -1.1 | 0.1 | -0.3 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.2 | 0.4 |
| 1979 | 0.2 | 0.3 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 1980 | 0.2 | -0.2 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.2 | -0.3 | -0.1 |
| 1981 | 0.3 | 0.1 | -0.1 | -0.1 | -0.1 | -0.3 | -0.3 | 0.3 | 0.0 | -22.9 | -10.3 | -0.8 |
| 1982 | 0.3 | -0.2 | 0.3 | -0.1 | -12.5 | -1.4 | 0.4 | -0.4 | -0.3 | -0.3 | 0.3 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.3 | 0.2 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.3 | -0.4 | -0.4 | 0.1 |
| 1986 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 9.1 | 23.3 | 1.8 |
| 1988 | -0.4 | 0.1 | 0.0 | 0.0 | 0.4 | 0.2 | 0.4 | -0.2 | 0.0 | 57.3 | 21.8 | -1.0 |
| 1989 | -0.1 | 0.2 | 0.1 | -0.3 | -0.4 | 0.2 | -0.3 | 0.1 | 0.1 | 0.2 | -0.8 | -0.5 |
| 1990 | -0.2 | -0.2 | -0.1 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | -0.1 | 29.6 | 15.1 | -4.7 |
| 1991 | -0.2 | 0.1 | -0.3 | 0.1 | -0.2 | 0.0 | -0.3 | 0.0 | -0.4 | 47.2 | 16.7 | -7.2 |
| 1992 | -0.7 | 0.2 | 0.0 | 0.2 | -0.1 | 0.1 | -0.3 | 0.1 | -0.5 | 147.4 | 20.9 | -3.4 |
| 1993 | -3.0 | -2.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.4 | 0.4 | 16.3 | 2.7 | 0.3 | 0.0 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 | 0.2 | 0.3 | -0.4 | -0.2 | 0.1 | -28.2 | -10.5 |
| 1995 | -0.6 | 0.2 | 0.3 | 0.0 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.3 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.2 | 0.2 | -0.3 | 0.4 | 0.0 | 0.1 | -0.1 | -0.1 | 0.1 |
| 1997 | -0.3 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.3 | 0.2 |
| 1998 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.4 | 0.1 |
| 1999 | -0.3 | 0.0 | -0.3 | -0.4 | 0.0 | 0.0 | 0.4 | 0.3 | 0.4 | -0.2 | 0.0 | 0.0 |
| 2000 | 0.1 | -0.2 | -0.3 | -0.2 | 0.2 | 0.3 | 0.4 | -0.3 | 0.1 | 0.0 | -0.1 | 0.0 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 0.1 | -0.3 | -0.5 | -15.5 | 26.2 | 5.6 |
| 2002 | 0.1 | 0.1 | 0.3 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.1 | -0.1 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.1 | 0.0 | 0.2 | 0.4 | 0.5 | 0.3 | 0.0 | -0.1 | 0.1 | 0.1 | 0.2 |
| | | | | | | | | | | | | |
| Average | -0.3 | -0.1 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.5 | 7.4 | 2.1 | -0.7 |
| Critical | -0.2 | 0.0 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.5 | 39.9 | 5.0 | -4.2 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -4.9 | 6.3 | 1.0 |
| BN | 0.2 | 0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | 0.0 | 0.1 | 0.2 | 0.0 | -0.1 |
| AN | -1.1 | -0.6 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 2.8 | 0.4 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -0.9 | -0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |

Table 1-37. Old River location (ROLD059) salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.2 | 0.7 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -2.1 | -0.9 |
| 1978 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | -3.6 | -1.7 | -0.1 |
| 1982 | 0.1 | 0.0 | 0.0 | 0.0 | -3.9 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 4.0 | 0.3 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 9.9 | 4.0 | -0.2 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 2.2 | -0.7 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 7.3 | 2.4 | -1.1 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 32.4 | 3.8 | -0.5 |
| 1993 | -0.4 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.4 | 0.4 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -3.8 | -1.5 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -2.4 | 4.6 | 1.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 0.4 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 7.7 | 1.0 | -0.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 1.1 | 0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-38. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.6 | -8.3 | -1.9 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 28.7 | 14.1 | -50.2 |
| 1977 | -55.3 | -35.8 | -19.9 | -21.0 | -7.1 | 0.5 | 2.0 | 1.1 | 1.6 | 6.1 | 1.3 | -2.3 |
| 1978 | -33.3 | -22.1 | -12.3 | -0.6 | 0.9 | 0.5 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.2 | -0.3 | 2.9 | 3.2 | 7.0 | 11.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.4 | -0.1 | 0.2 | 0.1 | 0.0 | 0.3 | 0.6 | -3.5 | 8.8 | 32.0 |
| 1982 | -35.4 | -23.7 | -2.6 | 0.2 | -5.6 | -5.9 | -0.6 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | -0.1 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.3 | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 | -0.3 | -0.5 | -0.8 |
| 1986 | -0.7 | -0.5 | -0.8 | 0.7 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.5 | 0.2 | 0.1 | 2.5 | 3.3 | 1.4 | 9.8 | 21.1 | -24.7 |
| 1988 | -40.6 | -26.2 | -16.5 | -0.4 | 0.4 | 2.8 | 2.8 | 3.9 | 2.7 | 18.1 | 34.4 | -25.5 |
| 1989 | -43.9 | -34.9 | -20.0 | 10.6 | 6.1 | 3.8 | 1.4 | 4.0 | 1.4 | 13.5 | 10.6 | -11.9 |
| 1990 | -21.9 | -16.7 | -12.7 | -10.4 | 0.0 | 2.3 | 2.3 | 1.3 | 1.8 | 73.2 | 4.2 | -34.6 |
| 1991 | -43.1 | -32.8 | -21.7 | -17.5 | -3.2 | 0.1 | 0.7 | 0.8 | 4.3 | 57.2 | -2.4 | -28.5 |
| 1992 | -34.4 | -25.1 | -17.0 | -16.5 | -8.4 | 0.1 | 0.5 | 2.9 | 1.5 | 18.1 | 31.9 | -18.6 |
| 1993 | -38.1 | -21.2 | -10.9 | 5.8 | 1.7 | 1.0 | 0.7 | 0.8 | -4.8 | -2.7 | 1.3 | 1.0 |
| 1994 | 0.1 | 0.1 | 0.0 | 0.3 | 3.2 | 1.5 | 0.9 | 0.6 | 1.1 | 0.7 | -13.3 | 14.6 |
| 1995 | -10.8 | -4.7 | -8.6 | 2.0 | 0.9 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 |
| 1996 | 0.1 | 0.0 | 0.1 | 0.4 | 0.3 | 0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 0.5 | 0.4 |
| 1997 | 0.1 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | -0.3 | -0.7 |
| 1998 | 0.1 | 0.1 | 0.2 | 0.9 | 0.2 | 0.1 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | -0.1 | -0.2 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -1.0 | 0.2 | 0.1 | 0.2 | 0.7 | 1.8 | 23.2 | 28.2 | -5.3 |
| 2002 | -25.9 | -19.0 | 1.6 | 1.3 | 0.5 | 0.4 | 0.2 | 0.2 | 1.0 | -0.2 | -0.7 | -2.5 |
| 2003 | -2.6 | -1.1 | -0.8 | 0.6 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 7.6 | 3.1 | -7.6 |
| | | | | | | | | | | | | |
| Average | -11.3 | -7.7 | -4.1 | -1.2 | 0.0 | 0.5 | 0.2 | 0.6 | 0.5 | 7.4 | 4.2 | -4.8 |
| Critical | -27.9 | -19.5 | -12.6 | -9.4 | -2.2 | 1.1 | 1.3 | 1.6 | 1.9 | 28.9 | 10.0 | -20.7 |
| Dry | -11.6 | -9.0 | -3.1 | 1.8 | 1.2 | 0.8 | 0.8 | 1.4 | 1.1 | 7.1 | 11.2 | -2.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -12.4 | -7.4 | -3.5 | 1.4 | 1.7 | 1.8 | -1.1 | 0.0 | -0.8 | 0.8 | 0.7 | -1.1 |
| Wet | -3.6 | -2.2 | -0.9 | 0.3 | -0.3 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-39. CCWD Contra Costa Canal Intake (CHCCC006) salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -2.2 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 4.5 | 1.5 | -6.8 |
| 1977 | -6.4 | -4.0 | -2.3 | -1.8 | -1.0 | 0.1 | 0.5 | 0.3 | 0.3 | 1.0 | 0.2 | -0.2 |
| 1978 | -3.1 | -2.7 | -1.4 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.6 | 1.0 | 2.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -0.8 | 1.2 | 3.9 |
| 1982 | -3.6 | -2.6 | -0.8 | 0.0 | -1.7 | -1.4 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.6 | 0.8 | 0.4 | 2.7 | 4.3 | -4.4 |
| 1988 | -5.5 | -3.7 | -2.1 | -0.1 | 0.1 | 0.6 | 0.7 | 1.0 | 0.8 | 4.9 | 5.8 | -3.9 |
| 1989 | -5.5 | -3.7 | -2.3 | 1.0 | 0.8 | 0.7 | 0.3 | 1.2 | 0.5 | 2.7 | 1.3 | -1.5 |
| 1990 | -3.0 | -2.2 | -1.6 | -1.2 | 0.0 | 0.7 | 0.7 | 0.4 | 0.5 | 12.6 | 0.5 | -4.4 |
| 1991 | -4.6 | -3.5 | -2.2 | -1.7 | -0.5 | 0.0 | 0.2 | 0.2 | 1.2 | 8.9 | -0.3 | -3.8 |
| 1992 | -3.9 | -2.8 | -1.8 | -1.6 | -1.1 | 0.0 | 0.1 | 0.8 | 0.5 | 4.7 | 4.8 | -2.4 |
| 1993 | -4.4 | -3.1 | -1.3 | 0.8 | 0.3 | 0.3 | 0.2 | 0.2 | -1.6 | -1.1 | 0.3 | 0.2 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.6 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | -1.3 | 1.7 |
| 1995 | -1.1 | -0.8 | -1.1 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 6.9 | 5.8 | -1.0 |
| 2002 | -3.6 | -2.7 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.3 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.3 | -0.1 | -0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.7 | 0.8 | -1.4 |
| | | | | | | | | | | | | |
| Average | -1.3 | -0.9 | -0.5 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 1.5 | 0.7 | -0.7 |
| Critical | -3.3 | -2.3 | -1.4 | -0.9 | -0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 5.2 | 1.6 | -2.8 |
| Dry | -1.5 | -1.1 | -0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 1.9 | 2.1 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -1.0 | -0.4 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | -0.3 | 0.3 | 0.2 | -0.2 |
| Wet | -0.4 | -0.2 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-40. CVP-Jones Intake (CHDMC006) salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|-------|-------|-------|------|------|-------|------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | -15.3 | -2.9 | 0.3 | -0.2 | -0.1 | -0.1 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 24.3 | 11.4 | -34.3 |
| 1977 | -29.5 | -16.1 | -9.0 | -11.1 | 2.4 | 10.0 | 10.9 | 3.2 | 1.5 | -5.6 | -22.9 | -19.6 |
| 1978 | -26.7 | -10.5 | -5.1 | -0.7 | 0.3 | 0.2 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.1 | 0.1 | 2.3 | 0.4 | -2.4 | -0.5 | 0.3 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.1 | -0.2 | 0.0 | 0.0 | -0.2 | 1.3 | 0.6 | 1.1 | -2.2 | 9.9 | 8.8 |
| 1982 | -19.0 | -10.5 | -1.1 | 0.2 | -10.7 | -1.7 | 0.4 | -0.4 | -0.3 | -0.3 | 0.1 | -0.2 |
| 1983 | -0.3 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.4 | 0.0 |
| 1984 | 0.2 | -0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.2 | 0.4 | 0.0 | 0.2 | -0.2 | -0.4 | -0.5 |
| 1986 | -0.2 | -0.3 | -0.1 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.3 | 0.1 | -0.1 | 0.1 | -0.1 | 0.8 | 2.1 | 2.9 | 3.8 | -6.5 | -24.7 |
| 1988 | -23.9 | -12.3 | -6.5 | -0.5 | 0.3 | 10.6 | 1.5 | 7.0 | 6.8 | 3.6 | 16.5 | -18.9 |
| 1989 | -29.4 | -16.1 | -6.8 | 6.2 | 7.3 | 1.5 | 0.2 | 15.1 | 3.5 | -0.7 | 6.8 | -3.4 |
| 1990 | -10.2 | -8.6 | -4.9 | -4.2 | -0.2 | 0.9 | 0.8 | 0.2 | 0.8 | 24.0 | 7.4 | -24.3 |
| 1991 | -30.8 | -16.5 | -8.8 | -2.8 | -1.1 | -0.1 | 0.0 | 0.2 | 3.4 | 17.2 | 2.9 | -21.1 |
| 1992 | -22.4 | -12.0 | -4.1 | -6.5 | -1.5 | -0.1 | -4.3 | 15.4 | 3.5 | 9.0 | 11.2 | -25.6 |
| 1993 | -25.7 | -11.3 | -3.7 | 1.4 | 0.7 | 0.5 | 0.4 | 0.4 | -18.7 | -3.6 | 0.8 | 0.5 |
| 1994 | 0.1 | 0.0 | -0.1 | 0.3 | 1.5 | 0.7 | 0.4 | -0.1 | 0.3 | -1.6 | -12.5 | 4.7 |
| 1995 | -6.0 | -1.5 | -3.6 | 0.3 | 0.2 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.2 | 0.2 |
| 1996 | -0.1 | -0.1 | 0.0 | -0.1 | 0.2 | -0.3 | 0.3 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | 0.0 | 0.4 | 0.1 | 0.3 | -0.2 | -0.4 |
| 1998 | 0.5 | 1.7 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.4 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.1 | 0.0 | -0.1 | -0.3 | 0.2 | 0.3 | 0.3 | -0.3 | 0.0 | 0.2 | -0.1 | 0.0 |
| 2001 | 0.0 | -0.1 | -0.3 | -0.4 | 0.1 | 0.2 | 2.6 | 0.3 | 2.6 | 11.2 | 9.7 | -12.8 |
| 2002 | -17.5 | -6.8 | 2.1 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 1.1 | -0.1 | -0.5 | -1.6 |
| 2003 | -1.4 | -0.7 | -0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.1 | 3.7 | 1.8 | -3.8 |
| | | | | | | | | | | | | |
| Average | -7.1 | -3.6 | -1.5 | -0.5 | 0.0 | 0.3 | 0.5 | 1.3 | 0.3 | 2.4 | 1.0 | -5.2 |
| Critical | -16.7 | -9.4 | -4.8 | -3.5 | 0.2 | 3.1 | 1.3 | 3.7 | 2.3 | 10.1 | 2.0 | -19.9 |
| Dry | -7.8 | -3.8 | -0.9 | 1.1 | 1.3 | 0.3 | 0.9 | 3.0 | 1.9 | 2.0 | 3.2 | -5.7 |
| BN | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| AN | -9.0 | -3.7 | -1.1 | 0.2 | -0.1 | -2.4 | -0.3 | 0.1 | -3.1 | 0.0 | 0.4 | -0.5 |
| Wet | -1.9 | -0.8 | -0.4 | 0.1 | -0.7 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-41. CVP-Jones Intake (CHDMC006) salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.1 | -0.8 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 1.7 | -5.7 |
| 1977 | -4.5 | -2.3 | -1.2 | -1.2 | 0.3 | 1.2 | 1.6 | 0.5 | 0.3 | -1.0 | -3.7 | -2.6 |
| 1978 | -3.3 | -1.5 | -0.7 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.1 | -0.7 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 | -0.6 | 1.8 | 1.4 |
| 1982 | -2.7 | -1.7 | -0.2 | 0.0 | -3.3 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.2 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.8 | 1.1 | -1.4 | -4.8 |
| 1988 | -4.0 | -2.1 | -0.9 | -0.1 | 0.0 | 1.2 | 0.2 | 1.2 | 1.5 | 1.0 | 3.3 | -3.3 |
| 1989 | -4.4 | -2.2 | -0.9 | 0.7 | 0.9 | 0.2 | 0.0 | 2.7 | 1.1 | -0.2 | 1.1 | -0.6 |
| 1990 | -1.8 | -1.4 | -0.7 | -0.6 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 4.7 | 1.1 | -3.8 |
| 1991 | -4.2 | -2.2 | -1.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.9 | 3.1 | 0.4 | -3.4 |
| 1992 | -3.2 | -1.7 | -0.5 | -0.7 | -0.2 | 0.0 | -0.6 | 2.9 | 1.0 | 2.7 | 2.1 | -4.0 |
| 1993 | -3.8 | -1.8 | -0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -3.7 | -1.0 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | -0.3 | -1.7 | 0.7 |
| 1995 | -0.8 | -0.3 | -0.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.4 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.6 | 0.1 | 0.7 | 3.3 | 2.2 | -2.5 |
| 2002 | -3.0 | -1.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 1.3 | 0.5 | -0.8 |
| | | | | | | | | | | | | |
| Average | -1.1 | -0.5 | -0.2 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.5 | 0.2 | -0.9 |
| Critical | -2.5 | -1.4 | -0.6 | -0.4 | 0.0 | 0.4 | 0.2 | 0.7 | 0.6 | 2.1 | 0.5 | -3.2 |
| Dry | -1.2 | -0.5 | -0.1 | 0.1 | 0.2 | 0.0 | 0.2 | 0.6 | 0.5 | 0.6 | 0.6 | -1.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.6 | -0.1 | 0.0 | -0.1 | -0.7 | -0.1 | 0.0 | -0.6 | 0.1 | 0.1 | -0.1 |
| Wet | -0.3 | -0.1 | -0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-42. SWP-Clifton Court Intake (CHWST000) salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|-------|------|------|-------|------|-------|-------|
| 1970 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | -0.1 | 0.2 | -10.7 | -2.2 | 0.3 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 32.7 | 11.8 | -43.4 |
| 1977 | -40.1 | -21.0 | -12.6 | -14.5 | -0.9 | 6.7 | 7.9 | 3.3 | 1.4 | -3.7 | -25.4 | -23.7 |
| 1978 | -32.4 | -13.3 | -6.9 | -0.8 | 0.5 | 0.4 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.2 | 0.2 | 3.5 | 1.4 | -1.6 | -0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.2 | 0.0 | 0.1 | -0.1 | 1.2 | 0.6 | 1.2 | -2.8 | 16.0 | 10.9 |
| 1982 | -24.7 | -13.5 | -1.6 | 0.3 | -8.2 | -3.6 | 0.4 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.2 | 0.3 | 0.2 | 0.4 | 0.4 | 0.1 | 0.3 | -0.2 | -0.4 | -0.6 |
| 1986 | -0.3 | -0.4 | -0.2 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.2 | 0.1 | -0.2 | 0.1 | 0.0 | 1.7 | 2.7 | 3.0 | 4.9 | 5.9 | -28.4 |
| 1988 | -29.2 | -15.7 | -8.6 | -0.6 | 0.3 | 12.8 | 2.2 | 8.5 | 5.1 | 6.6 | 20.4 | -21.7 |
| 1989 | -35.6 | -20.7 | -8.7 | 8.2 | 7.8 | 2.8 | 0.8 | 12.0 | 2.9 | -0.9 | 9.3 | -4.5 |
| 1990 | -13.4 | -10.9 | -6.8 | -5.6 | -0.2 | 1.2 | 1.3 | 0.6 | 1.0 | 30.7 | 9.6 | -29.0 |
| 1991 | -38.1 | -21.1 | -11.8 | -6.2 | -1.7 | -0.2 | 0.2 | 0.4 | 3.6 | 21.6 | 3.9 | -22.7 |
| 1992 | -28.2 | -15.4 | -8.1 | -9.4 | -3.4 | -0.1 | -2.1 | 9.4 | 3.2 | 9.1 | 11.8 | -28.7 |
| 1993 | -30.6 | -13.9 | -4.7 | 2.5 | 1.2 | 0.8 | 0.5 | 0.4 | -14.4 | -4.6 | 1.0 | 0.7 |
| 1994 | 0.1 | 0.1 | 0.0 | 0.6 | 2.0 | 0.9 | 0.6 | 0.1 | 0.5 | -2.0 | -13.8 | 7.3 |
| 1995 | -7.7 | -2.2 | -4.9 | 0.7 | 0.6 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | 0.3 |
| 1996 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | -0.1 | 0.4 | 0.0 | 0.1 | 0.2 | 0.4 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | -0.1 | 0.4 | 0.2 | 0.0 | -0.2 | -0.6 |
| 1998 | 0.3 | 0.9 | 0.2 | 0.5 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.3 | 0.2 | 0.2 | 0.4 | -0.3 | 0.0 | 0.1 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.6 | 0.1 | 0.1 | 2.4 | 0.3 | 2.8 | 13.3 | 15.3 | -14.3 |
| 2002 | -21.6 | -8.8 | 2.9 | 0.7 | 0.4 | 0.3 | 0.2 | 0.0 | 1.5 | -0.1 | -0.6 | -2.1 |
| 2003 | -1.7 | -0.9 | -0.4 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 | 4.9 | 2.0 | -5.0 |
| | | | | | | | | | | | | |
| Average | -8.9 | -4.6 | -2.0 | -0.7 | 0.0 | 0.4 | 0.5 | 1.2 | 0.4 | 3.2 | 2.0 | -6.0 |
| Critical | -21.3 | -12.0 | -6.8 | -5.1 | -0.5 | 3.0 | 1.4 | 3.2 | 2.2 | 13.6 | 2.6 | -23.1 |
| Dry | -9.5 | -4.9 | -1.0 | 1.4 | 1.5 | 0.6 | 1.1 | 2.6 | 1.9 | 2.4 | 7.6 | -6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -10.8 | -4.6 | -1.4 | 0.5 | 0.1 | -1.6 | -0.1 | 0.2 | -2.4 | 0.1 | 0.5 | -0.7 |
| Wet | -2.5 | -1.2 | -0.5 | 0.1 | -0.5 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-43. SWP-Clifton Court Intake (CHWST000) salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.9 | -0.6 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.4 | 1.7 | -6.9 |
| 1977 | -5.6 | -2.9 | -1.6 | -1.5 | -0.1 | 1.0 | 1.4 | 0.6 | 0.3 | -0.7 | -3.9 | -3.0 |
| 1978 | -3.7 | -1.9 | -0.9 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.6 | 0.3 | -0.5 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 | -0.7 | 2.8 | 1.6 |
| 1982 | -3.2 | -2.0 | -0.4 | 0.1 | -2.3 | -1.0 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.9 | 1.5 | 1.4 | -5.6 |
| 1988 | -4.6 | -2.5 | -1.3 | -0.1 | 0.0 | 1.8 | 0.4 | 1.6 | 1.2 | 1.9 | 4.1 | -3.8 |
| 1989 | -5.0 | -2.7 | -1.1 | 0.9 | 1.0 | 0.4 | 0.1 | 2.5 | 1.0 | -0.2 | 1.4 | -0.7 |
| 1990 | -2.2 | -1.7 | -1.0 | -0.8 | 0.0 | 0.2 | 0.3 | 0.1 | 0.2 | 5.8 | 1.3 | -4.4 |
| 1991 | -4.9 | -2.6 | -1.4 | -0.7 | -0.2 | 0.0 | 0.0 | 0.1 | 1.0 | 3.8 | 0.5 | -3.5 |
| 1992 | -3.8 | -2.0 | -1.0 | -1.1 | -0.4 | 0.0 | -0.4 | 2.1 | 0.9 | 2.6 | 2.1 | -4.4 |
| 1993 | -4.3 | -2.2 | -0.6 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | -3.7 | -1.7 | 0.3 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | -0.3 | -1.7 | 1.0 |
| 1995 | -1.0 | -0.4 | -0.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.6 | 0.1 | 0.8 | 4.2 | 3.7 | -2.9 |
| 2002 | -3.5 | -1.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 1.9 | 0.6 | -1.2 |
| | | | | | | | | | | | | |
| Average | -1.2 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.7 | 0.4 | -1.0 |
| Critical | -3.0 | -1.7 | -0.9 | -0.6 | -0.1 | 0.4 | 0.3 | 0.6 | 0.5 | 2.7 | 0.6 | -3.6 |
| Dry | -1.4 | -0.7 | -0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.6 | 0.6 | 0.8 | 1.5 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.4 | -0.7 | -0.2 | 0.1 | 0.0 | -0.5 | 0.0 | 0.0 | -0.6 | 0.0 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-44. Old River near Middle River location salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|------|------|------|-------|------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.1 | -20.9 | -1.4 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.2 | 0.1 |
| 1977 | -0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 | 0.0 | 0.0 | -0.4 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | -0.1 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.3 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | 0.1 | -0.3 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | -0.6 | 0.2 | 0.2 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.2 | 0.1 | 0.2 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.1 | -0.3 | -0.3 | 0.0 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -1.5 | -0.6 | 0.1 |
| 1992 | -0.2 | 0.4 | -0.1 | 0.3 | -0.1 | 0.1 | -9.1 | -0.8 | 0.2 | -11.9 | -1.4 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 18.4 | 1.4 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.4 | -0.4 | 0.1 | 0.0 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 2.9 | -0.2 | -0.4 | -0.4 | -0.3 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.3 | -0.1 | 0.3 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 | -0.1 | 0.0 | 0.6 | -0.4 | -0.1 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.3 | -0.2 | -0.1 | -2.0 | -0.3 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.1 | -0.1 | -0.2 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | -3.4 | 0.0 | 0.1 | 3.1 | 0.1 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-45. Old River near Middle River location salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -6.0 | -0.4 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.1 | 0.0 | -1.6 | -0.2 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.7 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-46. CCWD Old River Intake (ROLD034) salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -8.7 | -3.7 | -0.2 | -0.3 | 0.0 | 0.0 | 0.0 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 35.0 | -7.2 | -49.1 |
| 1977 | -46.0 | -24.0 | -17.1 | -16.7 | -4.1 | 2.2 | 4.0 | 2.1 | 1.5 | -0.6 | -23.2 | -27.8 |
| 1978 | -34.9 | -15.0 | -9.0 | -0.8 | 0.8 | 0.5 | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 1979 | 0.1 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1980 | -0.3 | 0.3 | 4.1 | 2.3 | 7.8 | -0.3 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.3 | 0.1 | 0.2 | 0.0 | 0.2 | 0.4 | 0.9 | -3.4 | 18.0 | 9.7 |
| 1982 | -29.0 | -15.2 | -1.8 | 0.2 | -8.2 | -4.4 | 0.4 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.1 | -0.1 |
| 1984 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.2 | 0.2 | -0.3 | -0.5 | -0.7 |
| 1986 | -0.4 | -0.6 | -0.3 | 0.6 | 0.1 | 0.4 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.3 | 0.1 | 0.1 | 4.2 | 4.3 | 2.3 | 7.9 | 11.6 | -29.4 |
| 1988 | -32.8 | -18.2 | -11.1 | -0.5 | 0.3 | 6.0 | 3.1 | 6.9 | 4.0 | 13.1 | 17.6 | -26.3 |
| 1989 | -39.2 | -24.2 | -9.9 | 11.5 | 8.5 | 4.3 | 1.6 | 6.6 | 2.2 | -1.0 | 9.4 | -5.7 |
| 1990 | -15.5 | -12.8 | -10.4 | -7.1 | 0.0 | 1.9 | 1.9 | 1.2 | 1.2 | 33.6 | 7.7 | -32.8 |
| 1991 | -41.6 | -23.5 | -17.1 | -11.4 | -2.6 | -0.3 | 0.6 | 0.7 | 3.8 | 23.8 | 2.3 | -25.1 |
| 1992 | -31.9 | -17.3 | -13.9 | -13.8 | -7.3 | -0.1 | 0.4 | 4.6 | 2.7 | 14.7 | 11.4 | -31.9 |
| 1993 | -33.3 | -15.0 | -5.4 | 4.8 | 1.6 | 1.0 | 0.6 | 0.6 | -8.4 | -3.7 | 1.1 | 0.7 |
| 1994 | 0.1 | 0.1 | 0.0 | 1.0 | 2.7 | 1.1 | 0.8 | 0.6 | 0.6 | -2.5 | -12.0 | 9.6 |
| 1995 | -8.2 | -3.1 | -5.9 | 1.6 | 0.8 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 |
| 1996 | 0.0 | -0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | 0.3 | 0.4 | 0.2 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.3 | -0.1 | 0.0 | 0.3 | 0.2 | -0.1 | -0.2 | -0.7 |
| 1998 | 0.3 | 0.3 | 0.3 | 0.7 | 0.3 | 0.0 | 0.0 | 0.4 | 0.3 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.1 | 0.2 | 0.2 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.2 | -0.4 | 0.1 | 0.2 | 0.3 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.5 | -0.7 | 0.2 | 0.1 | 0.7 | 0.7 | 2.5 | 17.7 | 17.6 | -14.5 |
| 2002 | -24.2 | -9.7 | 4.1 | 1.1 | 0.5 | 0.4 | 0.2 | 0.1 | 1.4 | -0.2 | -0.7 | -2.3 |
| 2003 | -1.9 | -1.1 | -0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 6.4 | 2.0 | -5.6 |
| | | | | | | | | | | | | |
| Average | -10.0 | -5.3 | -2.8 | -0.8 | 0.1 | 0.2 | 0.5 | 0.9 | 0.5 | 4.1 | 1.6 | -6.8 |
| Critical | -24.0 | -13.7 | -10.0 | -6.9 | -1.6 | 1.6 | 1.5 | 2.4 | 2.0 | 16.7 | -0.5 | -26.2 |
| Dry | -10.6 | -5.6 | -1.1 | 2.0 | 1.6 | 0.9 | 1.2 | 2.1 | 1.6 | 3.5 | 9.3 | -7.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -11.7 | -5.1 | -1.8 | 1.1 | 1.8 | -1.2 | -0.4 | 0.2 | -1.4 | 0.5 | 0.5 | -0.8 |
| Wet | -2.9 | -1.4 | -0.6 | 0.2 | -0.5 | -0.3 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-47. CCWD Old River Intake (ROLD034) salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | -1.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 5.4 | -0.9 | -7.3 |
| 1977 | -5.8 | -3.1 | -2.1 | -1.7 | -0.6 | 0.4 | 0.9 | 0.5 | 0.3 | -0.1 | -3.4 | -3.2 |
| 1978 | -3.8 | -2.0 | -1.1 | -0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.6 | 0.5 | 2.2 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.3 | -0.8 | 2.9 | 1.3 |
| 1982 | -3.4 | -2.2 | -0.6 | 0.1 | -2.4 | -1.3 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.8 | 1.0 | 0.7 | 2.3 | 2.6 | -5.5 |
| 1988 | -4.9 | -2.8 | -1.6 | -0.1 | 0.0 | 1.2 | 0.7 | 1.5 | 1.0 | 3.7 | 3.4 | -4.3 |
| 1989 | -5.2 | -3.0 | -1.2 | 1.2 | 1.2 | 0.7 | 0.3 | 1.8 | 0.8 | -0.2 | 1.3 | -0.8 |
| 1990 | -2.4 | -1.9 | -1.4 | -1.0 | 0.0 | 0.5 | 0.5 | 0.3 | 0.3 | 5.9 | 1.0 | -4.6 |
| 1991 | -5.0 | -2.8 | -1.9 | -1.2 | -0.4 | -0.1 | 0.1 | 0.2 | 1.0 | 3.8 | 0.3 | -3.7 |
| 1992 | -4.0 | -2.1 | -1.6 | -1.5 | -0.9 | 0.0 | 0.1 | 1.2 | 0.8 | 4.1 | 1.9 | -4.5 |
| 1993 | -4.5 | -2.4 | -0.7 | 0.7 | 0.3 | 0.3 | 0.1 | 0.1 | -2.5 | -1.5 | 0.3 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.3 | 0.2 | 0.1 | 0.2 | -0.4 | -1.4 | 1.3 |
| 1995 | -1.0 | -0.6 | -0.8 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.7 | 5.5 | 4.0 | -2.7 |
| 2002 | -3.7 | -1.5 | 0.7 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.2 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.4 | 0.5 | -1.2 |
| | | | | | | | | | | | | |
| Average | -1.3 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.9 | 0.4 | -1.0 |
| Critical | -3.1 | -1.8 | -1.2 | -0.8 | -0.2 | 0.3 | 0.3 | 0.6 | 0.5 | 3.2 | 0.1 | -3.8 |
| Dry | -1.5 | -0.7 | -0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.5 | 0.5 | 1.1 | 1.8 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.4 | -0.8 | -0.2 | 0.2 | 0.5 | -0.4 | -0.1 | 0.0 | -0.4 | 0.2 | 0.1 | -0.2 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-48. Old River location (ROLD059) salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-------|------|------|------|-------|-------|------|------|------|------|-------|-------|
| 1970 | 0.2 | 0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.2 | -0.2 |
| 1971 | -0.1 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.2 | -0.2 | -0.2 |
| 1972 | 0.1 | -0.2 | 0.2 | -0.2 | 0.1 | 0.2 | 0.3 | -0.3 | 0.0 | 0.2 | -0.1 | -0.3 |
| 1973 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | -18.2 | -2.1 | 0.3 | 0.1 | -0.3 | -0.2 | -0.3 |
| 1974 | -0.4 | 0.3 | 0.1 | -0.1 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1975 | -0.1 | 0.1 | -0.2 | 0.3 | 0.0 | 0.1 | 0.1 | -0.3 | -0.1 | 0.3 | 0.0 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -1.6 | 3.7 |
| 1977 | 0.0 | -1.1 | -0.2 | 0.3 | 0.1 | 0.0 | 0.5 | 0.3 | 0.9 | 0.3 | -13.9 | -13.4 |
| 1978 | -7.9 | 0.3 | 0.1 | -0.3 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.2 | 0.4 |
| 1979 | 0.2 | 0.3 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 1980 | 0.2 | -0.2 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.2 | -0.3 | -0.1 |
| 1981 | 0.3 | 0.1 | -0.1 | -0.1 | -0.1 | -0.3 | 1.4 | 0.6 | 0.1 | -0.1 | -5.6 | -1.8 |
| 1982 | 0.3 | -0.2 | 0.3 | -0.1 | -12.5 | -1.4 | 0.4 | -0.4 | -0.3 | -0.3 | 0.3 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.3 | 0.2 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.3 | -0.3 | -0.3 | 0.1 |
| 1986 | 0.4 | 0.1 | 0.4 | 0.4 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | 0.0 | -1.3 | 10.4 | 31.0 | 2.7 |
| 1988 | -0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.2 | 0.4 | -0.1 | 2.3 | 67.9 | 24.0 | -4.3 |
| 1989 | 2.0 | 0.3 | 0.1 | -0.2 | -0.4 | 0.2 | -0.3 | 0.1 | -1.3 | -0.5 | -4.8 | -2.2 |
| 1990 | -0.2 | -0.3 | -0.2 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | 0.5 | 30.4 | 11.5 | -8.6 |
| 1991 | 0.6 | 0.1 | -0.4 | 0.2 | -0.2 | 0.0 | -0.3 | 0.0 | -0.6 | 42.0 | 10.1 | -13.2 |
| 1992 | -0.4 | 0.1 | -0.2 | 0.3 | -0.1 | 0.1 | -7.7 | -1.8 | 0.5 | 56.2 | 14.2 | -10.2 |
| 1993 | -11.6 | -4.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 16.3 | 2.7 | 0.3 | 0.0 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 | 0.2 | 0.3 | -0.4 | 0.1 | 0.1 | -24.9 | -10.3 |
| 1995 | 0.4 | 0.5 | 0.3 | 0.0 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.3 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.2 | 0.2 | -0.3 | 0.4 | 0.0 | 0.1 | -0.1 | -0.1 | 0.1 |
| 1997 | -0.3 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.3 | 0.2 |
| 1998 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | -0.3 | 0.0 | 0.4 | 0.2 | -0.2 | -0.4 | 0.1 |
| 1999 | -0.3 | 0.0 | -0.3 | -0.4 | 0.0 | 0.0 | 0.4 | 0.3 | 0.4 | -0.2 | 0.0 | 0.0 |
| 2000 | 0.1 | -0.2 | -0.3 | -0.2 | 0.2 | 0.3 | 0.4 | -0.3 | 0.1 | 0.0 | -0.1 | 0.0 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 2.8 | 0.0 | -0.7 | 9.2 | 34.0 | 6.3 |
| 2002 | 0.2 | 0.1 | 0.3 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.4 | -0.2 | 0.3 | 0.1 |
| 2003 | 0.0 | 0.1 | 0.0 | 0.2 | 0.4 | 0.5 | 0.3 | 0.0 | -0.2 | 0.3 | 0.0 | 0.2 |
| Average | -0.5 | -0.2 | 0.0 | 0.0 | -0.3 | -0.5 | 0.0 | 0.0 | 0.6 | 6.4 | 2.2 | -1.5 |
| Critical | 0.0 | -0.2 | -0.2 | 0.1 | 0.1 | 0.1 | -1.0 | -0.3 | 0.5 | 28.1 | 2.8 | -8.0 |
| Dry | 0.4 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.7 | 3.1 | 9.1 | 0.9 |
| BN | 0.2 | 0.1 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | 0.0 | 0.1 | 0.2 | 0.0 | -0.1 |
| AN | -3.2 | -0.7 | 0.0 | 0.0 | 0.2 | -2.9 | -0.1 | 0.1 | 2.8 | 0.4 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |

Table 1-49. Old River location (ROLD059) salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.8 | -0.6 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.6 |
| 1977 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | -2.2 | -1.9 |
| 1978 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | 0.1 | 0.0 | 0.0 | -0.9 | -0.3 |
| 1982 | 0.1 | 0.0 | 0.0 | 0.0 | -3.9 | -0.5 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 1.6 | 5.4 | 0.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 11.8 | 4.4 | -0.7 |
| 1989 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.2 | -0.1 | -0.7 | -0.4 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 1.7 | -1.3 |
| 1991 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 6.5 | 1.4 | -2.0 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.2 | 0.1 | 12.4 | 2.6 | -1.6 |
| 1993 | -1.7 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.4 | 0.4 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -3.3 | -1.5 |
| 1995 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | 1.4 | 6.0 | 1.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 1.1 | 0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 5.1 | 0.6 | -1.2 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | -0.1 | 0.5 | 1.6 | 0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-50. Sacramento River location RSAC081 Base Salinity (EC)

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1970 | 1646.4 | 1324.8 | 199.8 | 182.1 | 185.8 | 187.4 | 441.6 | 948.7 | 2200.1 | 1905.2 | 3907.6 | 1127.7 |
| 1971 | 1427.2 | 1129.0 | 216.5 | 187.1 | 212.6 | 191.7 | 231.4 | 211.3 | 430.5 | 1534.8 | 4318.5 | 1207.5 |
| 1972 | 1464.0 | 1228.0 | 2455.0 | 2096.7 | 654.8 | 229.6 | 534.9 | 1437.5 | 3087.7 | 2715.8 | 4701.5 | 6474.6 |
| 1973 | 8653.2 | 3954.5 | 694.9 | 208.2 | 200.0 | 192.0 | 249.8 | 356.2 | 1153.6 | 2093.6 | 4438.5 | 2596.9 |
| 1974 | 3457.1 | 318.8 | 185.0 | 181.8 | 187.7 | 183.4 | 186.1 | 230.4 | 488.8 | 1667.2 | 3846.7 | 1086.7 |
| 1975 | 1514.7 | 1139.7 | 2635.4 | 3364.5 | 364.6 | 188.6 | 213.1 | 207.1 | 253.7 | 1352.0 | 4193.7 | 1195.0 |
| 1976 | 1442.6 | 1034.2 | 2571.0 | 4388.8 | 3139.6 | 1663.8 | 1870.6 | 4496.7 | 6944.6 | 6633.5 | 7753.6 | 9572.2 |
| 1977 | 11066.8 | 10382.5 | 10091.9 | 4846.6 | 3205.9 | 3126.5 | 3398.9 | 5570.2 | 7931.9 | 8756.1 | 9447.2 | 10645.0 |
| 1978 | 10568.5 | 10478.2 | 5162.3 | 283.2 | 208.2 | 202.1 | 215.8 | 234.0 | 580.6 | 1853.3 | 4413.1 | 2728.0 |
| 1979 | 3428.8 | 2768.1 | 4119.6 | 1341.7 | 248.8 | 228.7 | 308.0 | 350.7 | 1316.4 | 3061.7 | 5134.7 | 7182.8 |
| 1980 | 8599.8 | 6067.0 | 3213.8 | 254.5 | 198.4 | 199.7 | 232.4 | 341.4 | 785.7 | 1976.0 | 4548.3 | 2820.4 |
| 1981 | 3317.7 | 2638.2 | 3832.6 | 1360.2 | 296.0 | 279.6 | 531.2 | 1464.3 | 2885.3 | 4401.2 | 6146.3 | 7884.3 |
| 1982 | 9685.4 | 1332.0 | 190.7 | 200.7 | 187.4 | 198.4 | 181.8 | 181.9 | 259.3 | 1412.5 | 4559.1 | 1433.0 |
| 1983 | 667.2 | 236.4 | 188.6 | 209.8 | 194.2 | 184.5 | 186.8 | 181.7 | 184.7 | 201.4 | 374.5 | 341.0 |
| 1984 | 853.5 | 207.0 | 182.0 | 193.0 | 193.3 | 187.5 | 290.9 | 686.1 | 2007.4 | 2027.4 | 4193.7 | 1282.1 |
| 1985 | 1584.0 | 700.7 | 786.6 | 1544.8 | 1051.2 | 883.5 | 804.3 | 1272.9 | 3082.6 | 4500.6 | 6505.3 | 7290.0 |
| 1986 | 8442.9 | 8743.4 | 4072.9 | 720.2 | 186.8 | 189.8 | 232.1 | 331.1 | 1130.5 | 2264.3 | 4660.0 | 1523.2 |
| 1987 | 1647.5 | 1538.3 | 3601.9 | 3538.7 | 932.3 | 288.6 | 1057.6 | 2658.1 | 3527.0 | 4984.3 | 7090.0 | 8585.7 |
| 1988 | 9806.0 | 9565.3 | 3663.9 | 434.9 | 579.0 | 2175.5 | 2566.8 | 3074.8 | 3773.3 | 6078.9 | 7993.9 | 9304.3 |
| 1989 | 11353.2 | 9275.8 | 8335.7 | 5354.0 | 4001.3 | 372.2 | 259.2 | 828.2 | 3030.5 | 4824.6 | 5543.1 | 5916.1 |
| 1990 | 7681.6 | 8791.1 | 9005.4 | 2761.9 | 1213.6 | 1710.8 | 2111.2 | 3159.0 | 5730.9 | 7422.4 | 8259.4 | 9521.1 |
| 1991 | 10897.9 | 11245.0 | 10662.5 | 7448.6 | 4601.1 | 571.6 | 746.4 | 2999.1 | 6006.4 | 7479.8 | 8079.1 | 9579.2 |
| 1992 | 10967.8 | 10816.0 | 10717.3 | 7410.9 | 770.3 | 392.7 | 1057.6 | 3238.9 | 4028.4 | 6142.8 | 8445.7 | 9382.3 |
| 1993 | 9789.9 | 9650.1 | 6832.6 | 399.5 | 218.7 | 203.8 | 196.4 | 204.9 | 257.6 | 1320.7 | 4299.0 | 2377.9 |
| 1994 | 3103.9 | 2688.5 | 3936.8 | 3894.7 | 837.5 | 1190.4 | 1530.8 | 2053.9 | 4787.5 | 6217.2 | 7303.6 | 8641.2 |
| 1995 | 8028.6 | 8430.3 | 6408.8 | 317.4 | 198.4 | 181.1 | 193.7 | 178.2 | 182.1 | 255.5 | 1165.5 | 1052.0 |
| 1996 | 1017.6 | 1103.8 | 818.4 | 212.3 | 191.2 | 188.2 | 193.2 | 194.0 | 587.4 | 2024.9 | 4609.6 | 1095.6 |
| 1997 | 1582.3 | 1086.1 | 201.3 | 184.9 | 190.3 | 215.8 | 307.5 | 581.3 | 2035.6 | 1869.9 | 3991.4 | 1210.5 |
| 1998 | 1833.7 | 1329.5 | 1518.6 | 333.0 | 189.8 | 194.1 | 186.5 | 181.1 | 181.2 | 212.3 | 649.6 | 528.3 |
| 1999 | 1251.1 | 625.0 | 218.9 | 192.5 | 188.6 | 183.9 | 202.5 | 280.4 | 886.5 | 1907.2 | 4497.4 | 1197.5 |
| 2000 | 1688.7 | 1097.6 | 2911.9 | 1101.0 | 201.9 | 189.9 | 220.6 | 348.4 | 2057.3 | 2174.1 | 4089.8 | 2580.9 |
| 2001 | 3522.7 | 2665.4 | 3939.7 | 2498.4 | 360.1 | 239.2 | 541.2 | 1836.9 | 2968.6 | 4830.1 | 6722.2 | 8521.5 |
| 2002 | 9490.2 | 8327.7 | 1127.9 | 202.9 | 360.7 | 442.1 | 439.5 | 829.3 | 3219.4 | 4875.7 | 6143.2 | 8167.2 |
| 2003 | 9135.9 | 9095.5 | 994.0 | 191.8 | 212.7 | 281.8 | 225.1 | 194.3 | 1240.9 | 1959.0 | 4008.1 | 2590.8 |
| | | | | | | | | | | | | |
| Average | 5312.3 | 4441.6 | 3402.8 | 1707.1 | 769.5 | 515.8 | 651.3 | 1216.0 | 2330.1 | 3321.7 | 5177.4 | 4607.1 |
| Critical | 7852.4 | 7789.0 | 7235.5 | 4455.2 | 2049.6 | 1547.3 | 1897.5 | 3513.2 | 5600.4 | 6961.5 | 8183.2 | 9520.8 |
| Dry | 5152.5 | 4191.0 | 3604.1 | 2416.5 | 1166.9 | 417.5 | 605.5 | 1481.6 | 3118.9 | 4736.1 | 6358.4 | 7727.5 |
| BN | 2446.4 | 1998.0 | 3287.3 | 1719.2 | 451.8 | 229.2 | 421.5 | 894.1 | 2202.1 | 2888.8 | 4918.1 | 6828.7 |
| AN | 8072.7 | 6723.8 | 3301.6 | 406.4 | 206.7 | 211.5 | 223.3 | 279.8 | 1012.6 | 1896.1 | 4299.5 | 2615.8 |
| Wet | 3185.2 | 2077.4 | 1310.5 | 498.4 | 205.4 | 190.3 | 234.4 | 337.9 | 832.9 | 1433.4 | 3459.0 | 1098.5 |

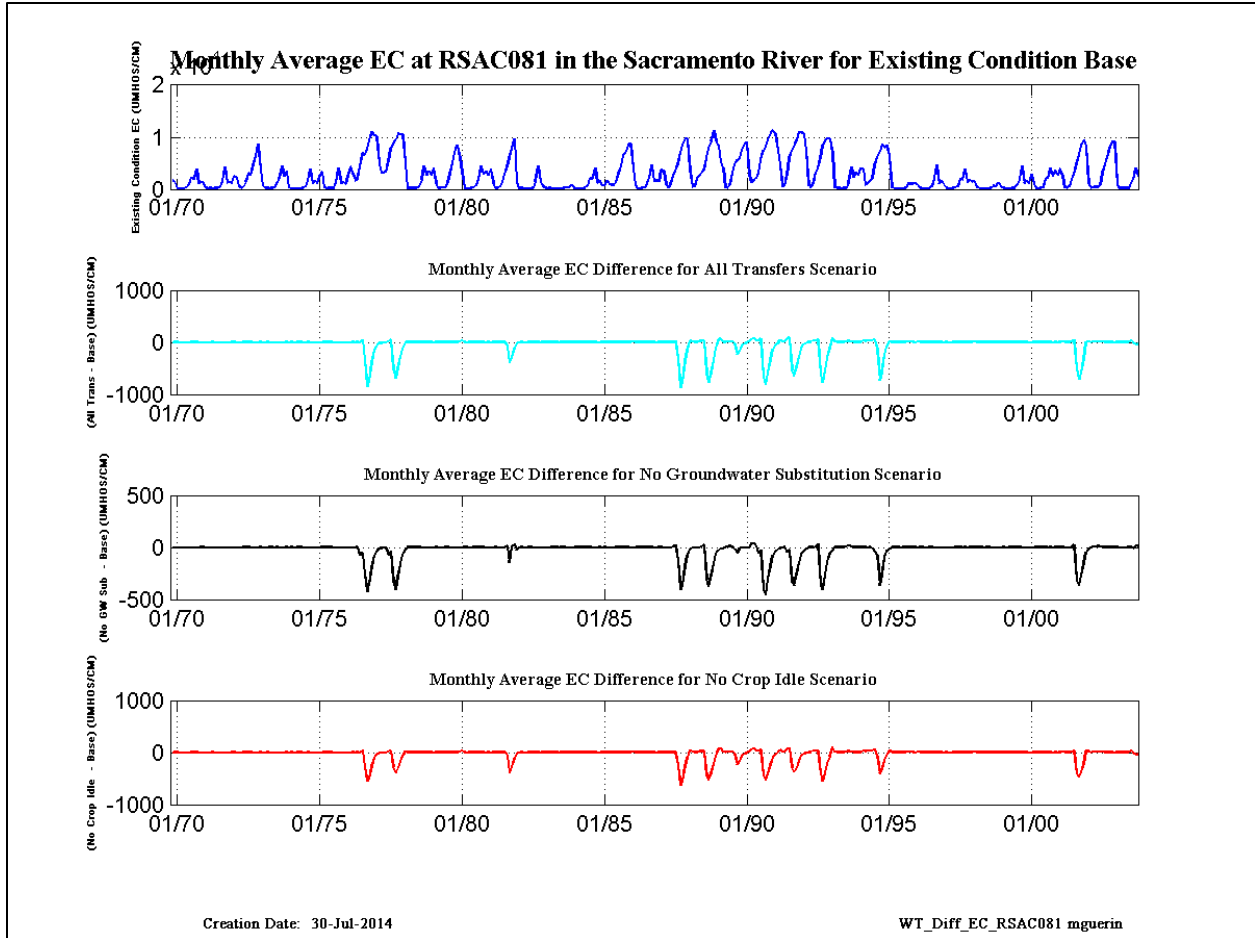


Figure 1-8. Sacramento River location RSAC081 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-51. Sacramento River location RSAC092 Base Salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| 1970 | 325.3 | 262.6 | 181.4 | 180.4 | 181.0 | 182.0 | 205.6 | 234.8 | 395.3 | 314.1 | 714.3 | 306.3 |
| 1971 | 280.8 | 239.8 | 186.7 | 182.6 | 185.6 | 181.6 | 191.1 | 185.6 | 191.9 | 269.6 | 794.0 | 324.4 |
| 1972 | 286.0 | 252.3 | 390.7 | 380.6 | 216.3 | 186.1 | 208.0 | 291.7 | 584.1 | 437.0 | 910.7 | 1537.5 |
| 1973 | 2423.2 | 702.4 | 249.3 | 196.4 | 190.0 | 183.7 | 199.7 | 203.3 | 253.4 | 339.4 | 866.3 | 469.5 |
| 1974 | 593.9 | 186.3 | 181.9 | 179.3 | 182.7 | 180.3 | 179.8 | 189.9 | 198.7 | 292.1 | 689.0 | 289.6 |
| 1975 | 285.1 | 243.8 | 420.3 | 572.1 | 200.9 | 182.5 | 191.2 | 185.6 | 187.2 | 262.4 | 790.0 | 312.6 |
| 1976 | 277.3 | 239.1 | 405.9 | 810.0 | 520.9 | 311.7 | 346.2 | 1081.9 | 2045.6 | 1434.9 | 2455.9 | 3347.2 |
| 1977 | 3955.2 | 3218.6 | 2950.3 | 960.3 | 597.5 | 574.0 | 612.4 | 1388.8 | 2491.8 | 2786.2 | 2938.4 | 4120.7 |
| 1978 | 3712.3 | 3413.9 | 916.4 | 207.5 | 194.3 | 190.9 | 193.5 | 196.6 | 211.1 | 314.0 | 845.9 | 509.3 |
| 1979 | 573.2 | 451.6 | 689.1 | 351.6 | 214.1 | 197.9 | 204.8 | 208.2 | 278.9 | 495.9 | 1049.1 | 1807.0 |
| 1980 | 2275.5 | 1263.0 | 509.8 | 192.0 | 187.7 | 184.4 | 192.2 | 204.2 | 232.1 | 342.3 | 884.8 | 510.0 |
| 1981 | 597.7 | 388.8 | 612.9 | 333.6 | 198.0 | 191.6 | 213.3 | 305.0 | 510.4 | 785.5 | 1428.8 | 2135.1 |
| 1982 | 2813.3 | 341.7 | 181.1 | 192.8 | 180.7 | 190.6 | 178.6 | 179.1 | 186.2 | 290.4 | 932.8 | 314.1 |
| 1983 | 194.3 | 184.9 | 181.5 | 192.5 | 184.6 | 180.9 | 181.1 | 177.8 | 179.0 | 187.6 | 188.9 | 182.0 |
| 1984 | 205.5 | 178.4 | 179.3 | 183.9 | 184.1 | 181.5 | 198.9 | 222.7 | 365.3 | 336.1 | 817.3 | 323.9 |
| 1985 | 317.6 | 209.4 | 209.4 | 285.2 | 232.7 | 230.2 | 232.3 | 269.6 | 571.1 | 805.7 | 1614.9 | 1761.2 |
| 1986 | 2392.5 | 2126.4 | 783.3 | 247.9 | 182.8 | 182.3 | 201.0 | 205.5 | 268.5 | 360.6 | 916.2 | 342.0 |
| 1987 | 311.4 | 276.1 | 611.0 | 634.8 | 247.0 | 196.0 | 273.8 | 490.1 | 648.8 | 1035.8 | 2051.2 | 2649.8 |
| 1988 | 3059.2 | 2812.8 | 692.9 | 217.8 | 222.3 | 447.7 | 452.5 | 563.5 | 744.5 | 1432.0 | 2514.7 | 3208.5 |
| 1989 | 4188.3 | 2468.3 | 2037.2 | 1038.5 | 755.8 | 196.3 | 192.1 | 219.2 | 547.1 | 902.2 | 1174.0 | 1321.4 |
| 1990 | 1919.4 | 2472.4 | 2567.5 | 503.4 | 267.5 | 316.7 | 366.8 | 606.7 | 1535.9 | 1840.2 | 2539.2 | 3276.6 |
| 1991 | 3927.6 | 3974.9 | 3457.8 | 1856.7 | 810.5 | 226.8 | 241.9 | 616.6 | 1537.6 | 1896.9 | 2442.6 | 3350.8 |
| 1992 | 3911.7 | 3633.5 | 3508.1 | 1680.2 | 257.4 | 216.3 | 256.5 | 622.9 | 789.0 | 1476.9 | 2643.3 | 3117.5 |
| 1993 | 3185.4 | 3010.1 | 1410.8 | 227.4 | 201.6 | 189.6 | 185.1 | 186.4 | 184.9 | 257.6 | 829.5 | 448.9 |
| 1994 | 518.5 | 450.6 | 666.2 | 719.0 | 254.0 | 276.0 | 286.5 | 368.1 | 1204.6 | 1269.8 | 1975.0 | 2480.5 |
| 1995 | 2327.6 | 2205.0 | 1360.9 | 204.7 | 186.5 | 179.1 | 182.2 | 176.2 | 179.1 | 196.9 | 244.5 | 223.7 |
| 1996 | 218.2 | 225.7 | 209.4 | 188.8 | 184.6 | 181.1 | 183.9 | 182.6 | 210.3 | 331.9 | 897.8 | 314.9 |
| 1997 | 322.7 | 228.8 | 185.9 | 181.0 | 182.7 | 185.1 | 192.8 | 215.9 | 387.7 | 313.8 | 769.3 | 314.2 |
| 1998 | 360.1 | 255.8 | 268.1 | 206.1 | 184.8 | 182.6 | 179.9 | 177.6 | 177.8 | 190.1 | 201.6 | 189.4 |
| 1999 | 235.0 | 205.5 | 180.3 | 185.1 | 182.5 | 180.0 | 188.6 | 194.5 | 225.7 | 314.7 | 855.3 | 321.7 |
| 2000 | 344.3 | 230.5 | 471.5 | 290.1 | 188.3 | 181.4 | 190.9 | 201.4 | 405.4 | 365.7 | 760.8 | 467.0 |
| 2001 | 647.5 | 407.5 | 651.7 | 479.9 | 212.3 | 193.8 | 219.0 | 371.1 | 536.3 | 974.7 | 1822.6 | 2643.4 |
| 2002 | 2825.1 | 2062.6 | 315.7 | 190.0 | 197.1 | 195.1 | 198.0 | 235.1 | 689.0 | 896.0 | 1464.0 | 2225.5 |
| 2003 | 2771.6 | 2431.9 | 292.4 | 183.7 | 185.7 | 186.1 | 188.0 | 182.8 | 278.6 | 323.4 | 730.5 | 489.3 |
| | | | | | | | | | | | | |
| Average | 1546.5 | 1213.4 | 827.0 | 430.5 | 257.5 | 218.9 | 232.6 | 333.6 | 571.6 | 708.0 | 1257.4 | 1342.2 |
| Critical | 2509.8 | 2400.3 | 2035.5 | 963.9 | 418.6 | 338.5 | 366.1 | 749.8 | 1478.4 | 1733.9 | 2501.3 | 3271.7 |
| Dry | 1481.3 | 968.8 | 739.7 | 493.7 | 307.2 | 200.5 | 221.4 | 315.0 | 583.8 | 900.0 | 1592.6 | 2122.7 |
| BN | 429.6 | 352.0 | 539.9 | 366.1 | 215.2 | 192.0 | 206.4 | 249.9 | 431.5 | 466.4 | 979.9 | 1672.3 |
| AN | 2452.1 | 1842.0 | 641.7 | 216.2 | 191.3 | 186.0 | 191.6 | 195.8 | 260.9 | 323.7 | 819.6 | 482.4 |
| Wet | 811.9 | 529.6 | 346.2 | 222.9 | 184.9 | 182.3 | 188.8 | 194.4 | 242.5 | 281.5 | 677.8 | 289.1 |

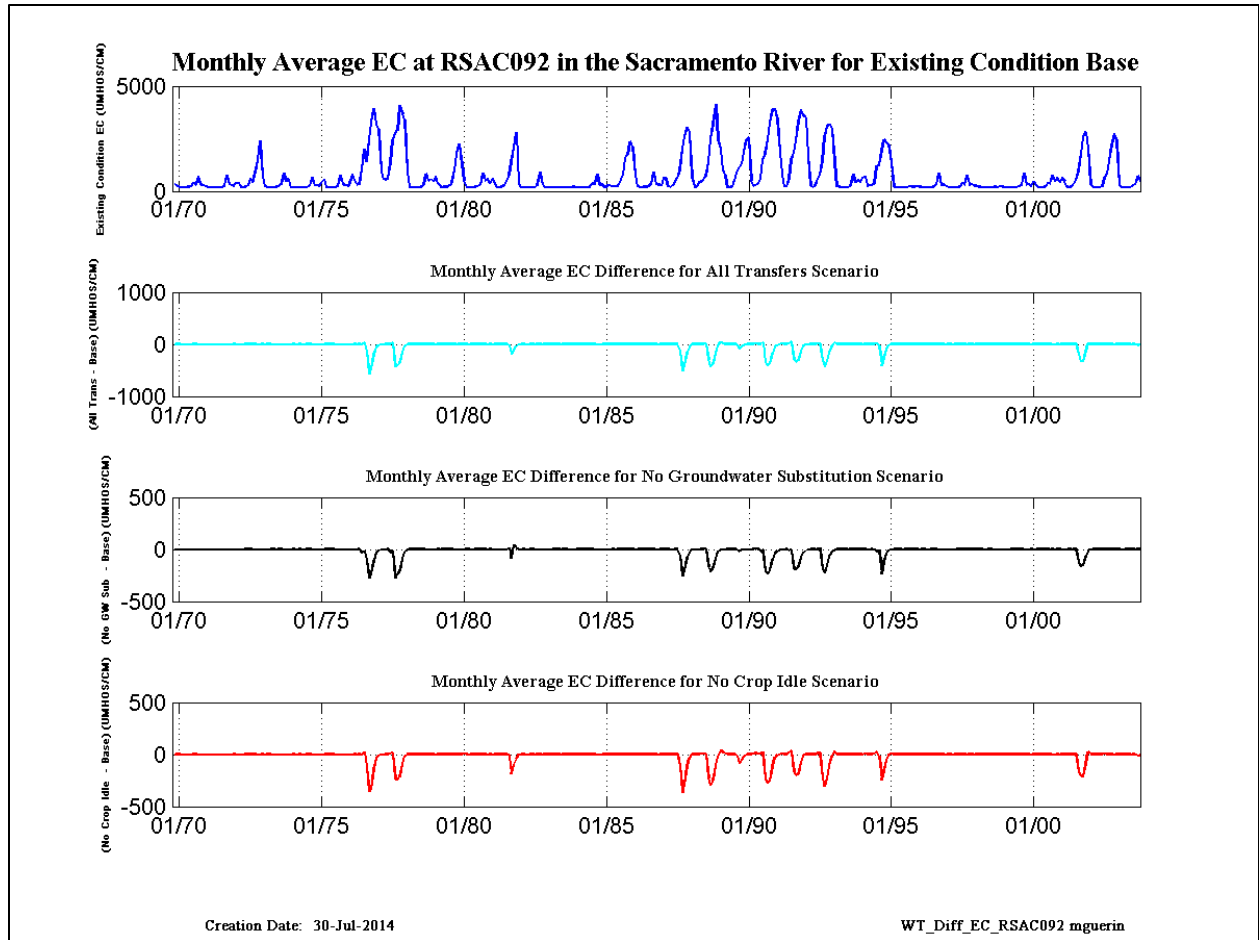


Figure 1-9. Sacramento River location Sacramento River location RSAC092 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-52. Sacramento River location RSA101 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 187.5 | 183.7 | 178.6 | 180.0 | 179.5 | 179.3 | 188.5 | 187.3 | 192.3 | 186.8 | 221.8 | 185.3 |
| 1971 | 187.7 | 185.8 | 183.9 | 180.6 | 182.4 | 178.5 | 182.0 | 178.7 | 180.1 | 183.0 | 227.6 | 187.8 |
| 1972 | 188.6 | 183.4 | 195.7 | 204.6 | 187.0 | 180.4 | 186.1 | 190.2 | 201.1 | 198.0 | 245.3 | 317.1 |
| 1973 | 400.5 | 242.1 | 190.1 | 192.6 | 187.3 | 180.8 | 187.3 | 185.3 | 186.1 | 189.1 | 235.2 | 200.2 |
| 1974 | 198.5 | 177.8 | 181.0 | 178.6 | 180.3 | 179.0 | 177.3 | 181.3 | 182.1 | 183.9 | 214.2 | 185.5 |
| 1975 | 186.9 | 183.3 | 199.0 | 218.8 | 186.1 | 180.4 | 183.2 | 179.0 | 180.2 | 182.3 | 219.0 | 187.3 |
| 1976 | 186.5 | 182.0 | 194.7 | 239.8 | 211.3 | 194.3 | 193.4 | 247.7 | 351.3 | 293.8 | 423.6 | 502.0 |
| 1977 | 572.4 | 456.8 | 449.1 | 259.6 | 224.5 | 209.6 | 206.6 | 266.2 | 408.3 | 443.6 | 441.4 | 643.8 |
| 1978 | 539.2 | 499.2 | 246.5 | 196.8 | 188.5 | 186.8 | 182.4 | 183.5 | 185.3 | 185.8 | 229.7 | 207.7 |
| 1979 | 200.7 | 197.2 | 223.9 | 217.5 | 203.4 | 189.4 | 189.4 | 186.4 | 186.5 | 201.4 | 255.2 | 340.6 |
| 1980 | 378.3 | 271.5 | 217.8 | 183.4 | 184.4 | 180.3 | 184.3 | 185.7 | 188.4 | 186.5 | 229.0 | 203.6 |
| 1981 | 198.9 | 189.8 | 216.9 | 202.2 | 185.4 | 184.1 | 189.0 | 192.7 | 196.5 | 230.4 | 297.9 | 370.8 |
| 1982 | 431.6 | 188.4 | 178.4 | 190.0 | 179.0 | 188.3 | 177.9 | 178.9 | 180.8 | 185.5 | 223.8 | 186.8 |
| 1983 | 178.6 | 182.3 | 178.7 | 186.6 | 182.0 | 180.1 | 180.1 | 177.0 | 176.7 | 180.1 | 179.8 | 178.2 |
| 1984 | 179.7 | 176.8 | 178.5 | 179.6 | 180.0 | 179.1 | 185.8 | 187.8 | 190.3 | 188.3 | 229.0 | 185.4 |
| 1985 | 188.5 | 184.2 | 185.0 | 195.0 | 188.9 | 193.8 | 192.3 | 190.1 | 200.7 | 233.3 | 319.0 | 329.8 |
| 1986 | 398.4 | 364.2 | 251.4 | 200.8 | 182.1 | 180.1 | 188.1 | 187.4 | 191.2 | 189.1 | 236.3 | 192.4 |
| 1987 | 185.5 | 183.0 | 210.7 | 229.6 | 191.0 | 185.0 | 195.4 | 200.5 | 205.9 | 239.9 | 353.0 | 408.5 |
| 1988 | 462.6 | 428.0 | 227.1 | 194.3 | 196.3 | 208.2 | 199.2 | 204.1 | 215.2 | 280.0 | 416.6 | 505.4 |
| 1989 | 671.4 | 388.3 | 373.9 | 276.1 | 242.4 | 180.5 | 183.5 | 184.0 | 197.7 | 245.7 | 279.8 | 289.6 |
| 1990 | 335.9 | 417.8 | 435.1 | 217.2 | 201.7 | 197.3 | 193.5 | 204.8 | 301.2 | 327.8 | 432.0 | 508.3 |
| 1991 | 620.6 | 639.3 | 574.3 | 350.6 | 231.2 | 190.0 | 195.5 | 209.2 | 287.2 | 341.5 | 415.3 | 524.3 |
| 1992 | 600.3 | 558.8 | 553.7 | 320.6 | 195.0 | 199.5 | 196.0 | 206.0 | 214.4 | 283.8 | 422.8 | 473.6 |
| 1993 | 471.8 | 454.6 | 286.8 | 205.0 | 196.0 | 184.1 | 179.0 | 179.2 | 178.8 | 182.6 | 229.8 | 200.8 |
| 1994 | 199.2 | 198.7 | 225.4 | 242.7 | 197.1 | 196.9 | 189.5 | 190.1 | 261.1 | 277.4 | 367.0 | 395.7 |
| 1995 | 393.7 | 338.7 | 299.3 | 192.7 | 182.7 | 179.0 | 179.5 | 176.2 | 177.1 | 183.1 | 181.9 | 180.0 |
| 1996 | 180.5 | 181.2 | 185.0 | 185.1 | 182.8 | 179.2 | 178.6 | 177.0 | 183.9 | 188.0 | 239.5 | 184.7 |
| 1997 | 189.7 | 181.8 | 181.0 | 180.2 | 181.7 | 182.7 | 184.7 | 187.5 | 192.8 | 186.2 | 221.7 | 188.3 |
| 1998 | 191.4 | 183.2 | 186.8 | 190.0 | 184.0 | 180.2 | 177.7 | 176.9 | 176.1 | 180.7 | 180.0 | 178.4 |
| 1999 | 181.2 | 180.2 | 177.4 | 182.1 | 180.3 | 178.6 | 181.0 | 182.0 | 183.2 | 186.6 | 235.3 | 186.3 |
| 2000 | 192.7 | 181.3 | 200.9 | 196.8 | 184.2 | 178.8 | 183.4 | 184.6 | 193.4 | 189.4 | 226.1 | 202.3 |
| 2001 | 202.3 | 193.6 | 220.6 | 218.5 | 195.9 | 186.2 | 191.6 | 197.8 | 198.4 | 232.5 | 316.6 | 393.3 |
| 2002 | 408.5 | 334.1 | 198.3 | 186.1 | 188.6 | 184.7 | 184.6 | 191.9 | 216.2 | 243.4 | 303.1 | 378.8 |
| 2003 | 450.0 | 379.4 | 188.5 | 181.3 | 183.0 | 182.5 | 181.8 | 177.4 | 185.4 | 188.9 | 226.0 | 205.4 |
| | | | | | | | | | | | | |
| Average | 315.9 | 278.5 | 246.3 | 210.4 | 191.9 | 185.8 | 186.7 | 191.6 | 210.2 | 223.5 | 278.6 | 294.3 |
| Critical | 425.4 | 411.6 | 379.9 | 260.7 | 208.2 | 199.4 | 196.2 | 218.3 | 291.3 | 321.1 | 416.9 | 507.6 |
| Dry | 309.2 | 245.5 | 234.2 | 217.9 | 198.7 | 185.7 | 189.4 | 192.8 | 202.6 | 237.5 | 311.6 | 361.8 |
| BN | 194.6 | 190.3 | 209.8 | 211.0 | 195.2 | 184.9 | 187.8 | 188.3 | 193.8 | 199.7 | 250.2 | 328.9 |
| AN | 405.4 | 338.0 | 221.8 | 192.6 | 187.2 | 182.2 | 183.0 | 182.6 | 186.2 | 187.0 | 229.3 | 203.3 |
| Wet | 237.3 | 208.2 | 196.9 | 188.1 | 181.8 | 180.4 | 181.9 | 181.3 | 183.6 | 184.9 | 216.1 | 185.1 |

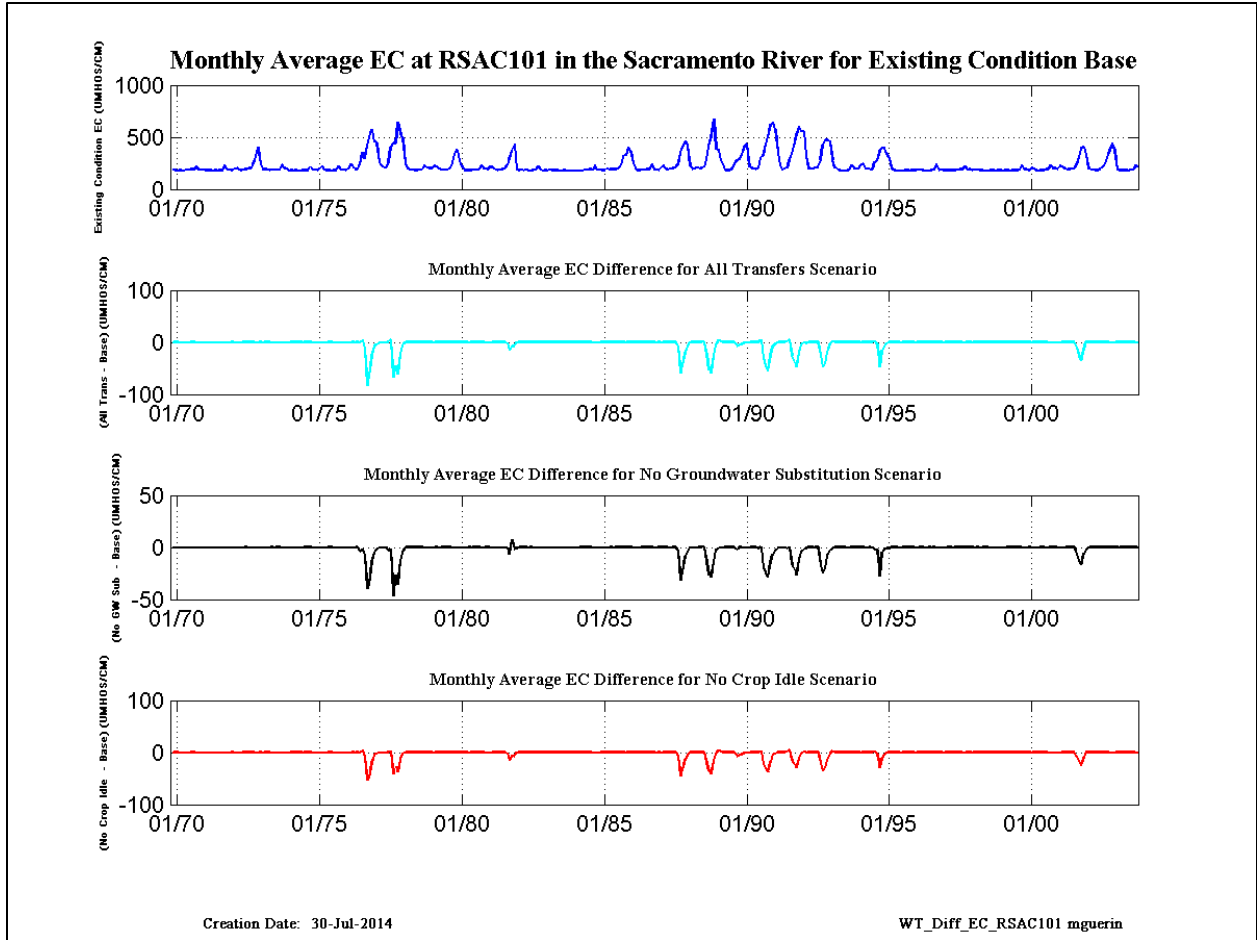


Figure 1-10. Sacramento River location Sacramento River location RSAC101 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-53. San Joaquin River location RSN007 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1970 | 835.0 | 616.6 | 204.5 | 231.8 | 211.2 | 200.5 | 261.7 | 434.7 | 1017.8 | 1084.5 | 2458.5 | 1056.3 |
| 1971 | 738.0 | 652.6 | 227.0 | 203.8 | 203.1 | 201.5 | 219.9 | 217.4 | 260.3 | 848.2 | 2834.4 | 1054.8 |
| 1972 | 764.4 | 621.0 | 1408.2 | 1282.9 | 420.4 | 221.3 | 291.7 | 658.5 | 1571.2 | 1697.8 | 3095.7 | 4599.2 |
| 1973 | 6050.8 | 2913.3 | 589.5 | 263.4 | 252.2 | 223.4 | 231.1 | 261.3 | 548.3 | 1172.2 | 2836.8 | 1850.3 |
| 1974 | 1879.0 | 486.4 | 199.5 | 212.1 | 206.8 | 208.9 | 209.8 | 221.1 | 276.9 | 877.3 | 2412.9 | 990.3 |
| 1975 | 833.9 | 670.4 | 1549.0 | 2046.9 | 419.7 | 221.7 | 218.7 | 220.7 | 214.4 | 726.3 | 2731.4 | 1067.3 |
| 1976 | 758.7 | 584.0 | 1496.8 | 2755.6 | 2011.8 | 1019.0 | 892.7 | 2462.5 | 4091.1 | 4725.5 | 5071.2 | 6557.3 |
| 1977 | 7536.2 | 6978.8 | 7160.7 | 3604.9 | 1761.6 | 1664.6 | 1774.1 | 3145.6 | 4872.7 | 5648.8 | 6765.6 | 7578.7 |
| 1978 | 6831.1 | 6908.7 | 3632.1 | 430.7 | 260.3 | 256.7 | 262.8 | 236.5 | 305.4 | 997.3 | 2876.6 | 1966.2 |
| 1979 | 1932.3 | 1657.3 | 2624.6 | 1178.2 | 298.5 | 244.9 | 243.6 | 264.4 | 637.3 | 1895.6 | 3512.6 | 5222.0 |
| 1980 | 6058.2 | 4122.0 | 2122.2 | 354.4 | 272.5 | 241.9 | 217.0 | 253.1 | 367.8 | 964.3 | 2906.2 | 1986.2 |
| 1981 | 1686.4 | 1492.8 | 2452.1 | 1133.1 | 277.8 | 229.5 | 300.8 | 655.9 | 1425.5 | 2874.6 | 4187.3 | 5709.9 |
| 1982 | 6912.7 | 1502.4 | 243.2 | 241.2 | 222.2 | 232.5 | 201.4 | 184.9 | 205.4 | 666.3 | 2817.0 | 993.4 |
| 1983 | 361.0 | 216.2 | 210.9 | 273.3 | 278.6 | 247.0 | 206.4 | 190.6 | 197.7 | 207.3 | 236.0 | 216.0 |
| 1984 | 455.3 | 214.8 | 207.5 | 221.5 | 213.8 | 197.7 | 232.2 | 347.1 | 957.5 | 1171.6 | 2634.8 | 1171.9 |
| 1985 | 778.0 | 480.1 | 451.6 | 804.3 | 565.8 | 438.6 | 388.4 | 574.1 | 1557.3 | 2913.7 | 4350.9 | 5280.5 |
| 1986 | 5609.3 | 6116.8 | 2816.9 | 541.5 | 268.6 | 254.2 | 241.8 | 247.7 | 494.9 | 1249.9 | 2971.3 | 1078.9 |
| 1987 | 695.1 | 700.3 | 2139.3 | 2197.7 | 658.7 | 255.5 | 510.4 | 1360.4 | 1837.8 | 3073.3 | 4439.0 | 5795.2 |
| 1988 | 6465.7 | 6302.4 | 2603.8 | 386.3 | 325.7 | 1041.8 | 1289.5 | 1518.7 | 1837.2 | 3814.6 | 5122.1 | 6202.2 |
| 1989 | 7766.1 | 6291.9 | 5774.5 | 3671.6 | 2219.3 | 374.0 | 228.6 | 407.8 | 1600.4 | 3233.3 | 3837.9 | 4111.3 |
| 1990 | 5162.9 | 5873.8 | 6042.1 | 1969.3 | 677.7 | 869.3 | 1039.5 | 1551.2 | 3228.9 | 5192.0 | 5633.9 | 6601.3 |
| 1991 | 7330.7 | 7700.6 | 7336.2 | 4508.5 | 2566.9 | 511.7 | 408.6 | 1526.6 | 3661.1 | 5278.1 | 5501.4 | 6573.2 |
| 1992 | 7412.5 | 7246.5 | 7299.7 | 5034.2 | 805.9 | 301.0 | 506.6 | 1708.7 | 2199.6 | 3951.1 | 5760.5 | 6589.7 |
| 1993 | 6262.0 | 6199.7 | 4784.8 | 603.3 | 283.2 | 235.6 | 223.5 | 219.6 | 216.4 | 707.3 | 2776.2 | 1836.9 |
| 1994 | 1773.2 | 1615.5 | 2546.1 | 2543.5 | 693.2 | 609.5 | 747.6 | 957.7 | 2574.1 | 4477.8 | 5109.1 | 6279.9 |
| 1995 | 4808.9 | 5412.4 | 4530.9 | 502.7 | 245.5 | 240.6 | 227.6 | 183.3 | 188.1 | 223.5 | 594.4 | 583.0 |
| 1996 | 465.9 | 519.7 | 452.2 | 234.3 | 249.6 | 220.3 | 220.6 | 222.3 | 314.5 | 1131.3 | 3028.3 | 1191.8 |
| 1997 | 817.8 | 624.8 | 234.0 | 251.7 | 212.1 | 200.0 | 225.1 | 306.8 | 968.6 | 1098.6 | 2537.4 | 1139.8 |
| 1998 | 932.5 | 716.9 | 863.6 | 360.3 | 323.2 | 246.1 | 203.8 | 187.6 | 193.5 | 214.3 | 351.9 | 294.6 |
| 1999 | 669.9 | 431.8 | 202.9 | 206.0 | 224.5 | 200.8 | 218.2 | 238.7 | 426.4 | 1063.1 | 2943.9 | 1169.7 |
| 2000 | 818.4 | 656.0 | 1750.7 | 931.7 | 276.4 | 225.7 | 214.0 | 255.0 | 1032.2 | 1254.6 | 2572.1 | 1854.1 |
| 2001 | 1870.7 | 1567.0 | 2443.2 | 1708.4 | 343.1 | 233.0 | 303.3 | 845.3 | 1481.5 | 2978.7 | 4214.5 | 5764.0 |
| 2002 | 6314.0 | 5548.3 | 1073.7 | 237.0 | 252.5 | 274.2 | 267.3 | 401.5 | 1701.3 | 3306.7 | 4146.0 | 5891.4 |
| 2003 | 5996.6 | 6213.6 | 1205.5 | 222.0 | 202.8 | 216.9 | 215.4 | 216.2 | 632.4 | 1131.0 | 2536.2 | 1841.0 |
| | | | | | | | | | | | | |
| Average | 3399.5 | 2936.9 | 2320.0 | 1216.1 | 550.2 | 369.4 | 395.4 | 667.2 | 1267.5 | 2113.3 | 3406.0 | 3297.0 |
| Critical | 5205.7 | 5186.0 | 4926.5 | 2971.8 | 1263.3 | 859.6 | 951.2 | 1838.7 | 3209.3 | 4726.9 | 5566.3 | 6626.1 |
| Dry | 3185.1 | 2680.1 | 2389.1 | 1625.4 | 719.5 | 300.8 | 333.2 | 707.5 | 1600.6 | 3063.4 | 4195.9 | 5425.4 |
| BN | 1348.4 | 1139.1 | 2016.4 | 1230.5 | 359.5 | 233.1 | 267.6 | 461.5 | 1104.2 | 1796.7 | 3304.2 | 4910.6 |
| AN | 5336.2 | 4502.2 | 2347.5 | 467.6 | 257.9 | 233.4 | 227.3 | 240.3 | 517.1 | 1037.8 | 2750.7 | 1889.1 |
| Wet | 1947.6 | 1398.6 | 918.6 | 425.2 | 252.2 | 220.9 | 222.1 | 246.4 | 439.7 | 812.5 | 2196.3 | 923.7 |

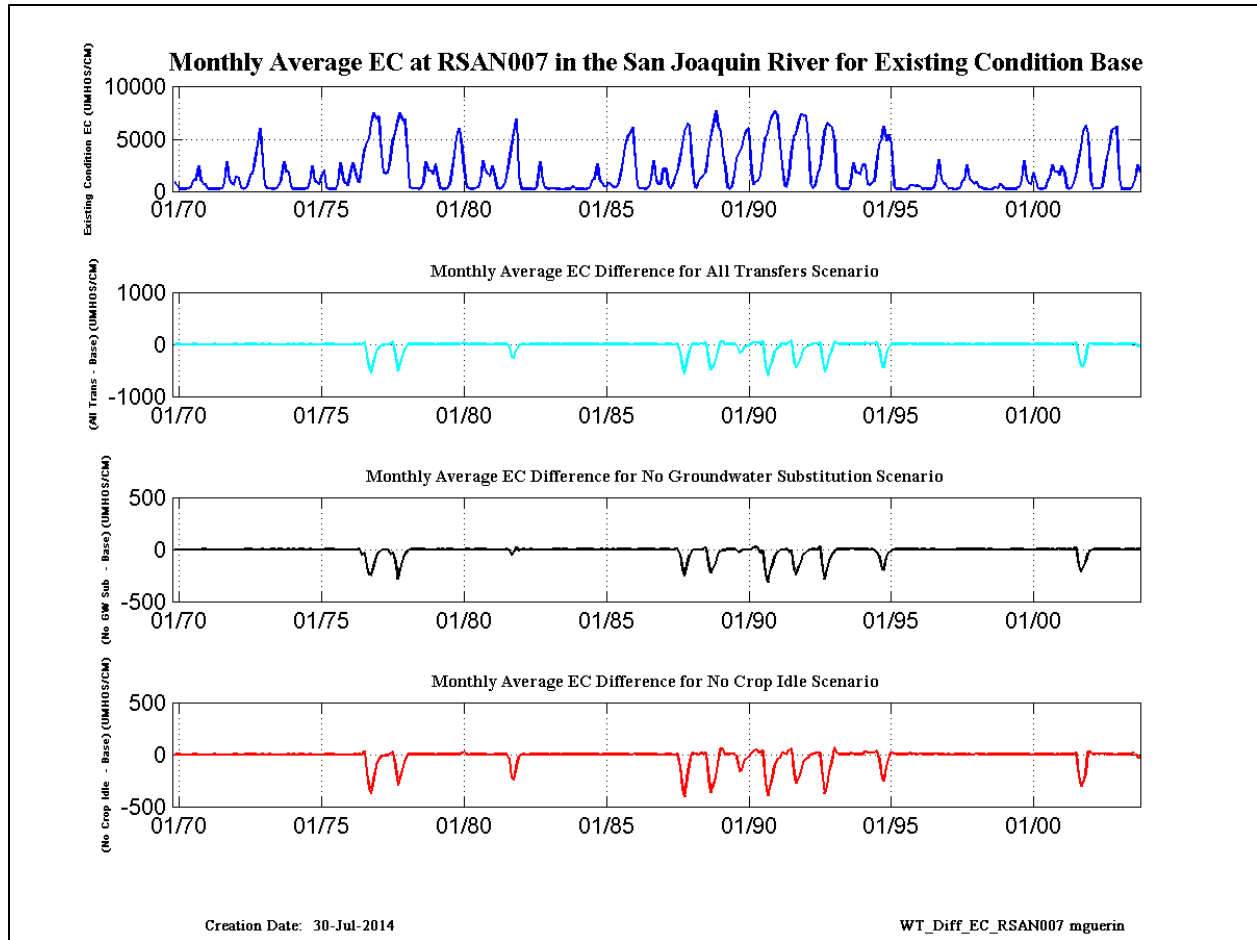


Figure 1-11. San Joaquin River location RSAN007 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-54. San Joaquin River location RSAN018 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 1970 | 316.8 | 247.5 | 206.4 | 232.0 | 212.4 | 205.6 | 225.3 | 242.2 | 279.1 | 460.9 | 1027.0 | 1011.5 |
| 1971 | 336.6 | 343.8 | 220.1 | 208.8 | 207.8 | 208.0 | 229.4 | 224.9 | 208.7 | 359.4 | 1254.2 | 1018.0 |
| 1972 | 348.0 | 271.7 | 570.6 | 638.6 | 285.8 | 223.1 | 230.6 | 268.3 | 383.0 | 791.7 | 1389.2 | 2233.7 |
| 1973 | 2365.0 | 1988.4 | 541.1 | 268.4 | 252.8 | 227.1 | 239.8 | 251.3 | 246.5 | 475.0 | 1138.2 | 872.6 |
| 1974 | 532.4 | 317.2 | 202.0 | 215.6 | 212.7 | 211.2 | 214.0 | 226.5 | 218.4 | 320.8 | 931.2 | 869.0 |
| 1975 | 378.0 | 359.4 | 651.4 | 867.3 | 312.4 | 222.4 | 227.5 | 225.9 | 210.7 | 291.5 | 1041.7 | 974.2 |
| 1976 | 342.3 | 286.9 | 606.2 | 1116.1 | 869.5 | 494.1 | 317.2 | 573.3 | 976.2 | 2202.6 | 1702.1 | 2091.3 |
| 1977 | 2378.0 | 2138.4 | 2655.6 | 1819.4 | 652.3 | 480.9 | 461.6 | 727.4 | 1252.5 | 1619.8 | 2490.7 | 2716.9 |
| 1978 | 2029.0 | 2031.6 | 1647.0 | 363.3 | 270.8 | 264.6 | 272.4 | 240.0 | 226.0 | 359.2 | 1169.9 | 1013.7 |
| 1979 | 607.7 | 670.2 | 1211.6 | 773.6 | 304.1 | 247.2 | 242.0 | 255.7 | 254.6 | 804.2 | 1590.1 | 2463.4 |
| 1980 | 2513.9 | 1670.6 | 1263.7 | 309.1 | 269.8 | 236.4 | 220.8 | 246.0 | 239.8 | 293.3 | 1076.7 | 934.1 |
| 1981 | 424.8 | 532.1 | 1156.6 | 842.8 | 276.7 | 226.9 | 252.2 | 271.7 | 350.5 | 1296.1 | 1804.4 | 2526.2 |
| 1982 | 2789.2 | 1438.8 | 237.3 | 244.8 | 219.9 | 234.3 | 197.6 | 183.4 | 200.2 | 242.2 | 888.8 | 424.1 |
| 1983 | 215.0 | 202.4 | 214.3 | 274.9 | 274.1 | 241.5 | 202.2 | 189.7 | 198.3 | 208.5 | 198.5 | 185.6 |
| 1984 | 244.5 | 195.1 | 208.4 | 227.5 | 216.2 | 201.3 | 232.3 | 247.6 | 286.4 | 497.6 | 1013.7 | 1015.3 |
| 1985 | 316.4 | 317.2 | 272.5 | 328.5 | 295.0 | 250.5 | 261.6 | 263.8 | 376.5 | 1288.8 | 1733.2 | 2479.8 |
| 1986 | 2000.4 | 2506.0 | 1533.1 | 413.7 | 266.9 | 249.3 | 247.3 | 235.8 | 235.9 | 455.7 | 1170.9 | 522.2 |
| 1987 | 220.4 | 236.0 | 816.8 | 966.7 | 426.9 | 251.4 | 269.1 | 388.6 | 457.2 | 987.4 | 1257.7 | 1868.6 |
| 1988 | 2007.9 | 1919.6 | 1322.3 | 342.5 | 254.6 | 318.8 | 369.0 | 381.1 | 400.3 | 1166.7 | 1510.5 | 1897.4 |
| 1989 | 2531.0 | 2182.3 | 2366.9 | 1781.4 | 798.7 | 293.4 | 233.5 | 232.0 | 417.0 | 1518.9 | 1898.5 | 1942.7 |
| 1990 | 1953.0 | 2035.2 | 2062.3 | 1044.8 | 392.1 | 333.3 | 321.0 | 362.2 | 730.2 | 2054.7 | 2077.3 | 2267.3 |
| 1991 | 2350.0 | 2492.1 | 2539.2 | 1403.3 | 756.2 | 336.4 | 274.7 | 386.7 | 988.1 | 2198.8 | 1982.9 | 2173.9 |
| 1992 | 2346.8 | 2255.3 | 2383.3 | 1905.9 | 512.2 | 281.3 | 255.0 | 424.6 | 543.5 | 1276.6 | 1939.2 | 2296.5 |
| 1993 | 1788.1 | 1735.9 | 1981.3 | 460.4 | 289.4 | 240.7 | 234.3 | 230.5 | 216.4 | 297.4 | 1125.3 | 1007.2 |
| 1994 | 602.8 | 668.8 | 1235.2 | 1222.9 | 481.7 | 293.1 | 279.5 | 280.8 | 550.8 | 2228.3 | 2173.4 | 2627.8 |
| 1995 | 1505.1 | 1555.3 | 2062.3 | 418.4 | 245.6 | 239.5 | 224.5 | 179.7 | 193.3 | 222.4 | 252.3 | 269.1 |
| 1996 | 212.7 | 225.6 | 254.3 | 232.4 | 244.6 | 217.7 | 229.5 | 228.5 | 219.4 | 451.1 | 1285.2 | 1131.8 |
| 1997 | 337.5 | 295.2 | 235.7 | 248.0 | 207.3 | 198.4 | 215.6 | 244.4 | 286.5 | 462.1 | 970.8 | 1034.8 |
| 1998 | 336.8 | 296.1 | 421.2 | 316.5 | 313.5 | 237.0 | 203.0 | 186.2 | 196.6 | 216.3 | 212.7 | 197.6 |
| 1999 | 298.6 | 318.9 | 201.0 | 215.4 | 224.2 | 202.0 | 230.2 | 237.6 | 223.4 | 433.2 | 1263.1 | 1104.5 |
| 2000 | 320.9 | 314.6 | 728.2 | 570.2 | 276.5 | 224.5 | 222.3 | 245.6 | 309.4 | 493.5 | 1034.3 | 973.6 |
| 2001 | 500.3 | 613.6 | 1090.9 | 963.3 | 313.6 | 240.0 | 257.8 | 293.7 | 360.7 | 947.8 | 1236.8 | 1827.8 |
| 2002 | 1954.9 | 1872.4 | 704.4 | 242.0 | 228.0 | 219.0 | 229.1 | 257.1 | 438.0 | 1539.9 | 1694.4 | 2589.1 |
| 2003 | 2054.2 | 2204.6 | 866.7 | 222.5 | 207.9 | 205.4 | 224.9 | 225.6 | 250.7 | 512.3 | 1102.1 | 991.7 |
| | | | | | | | | | | | | |
| Average | 1160.6 | 1080.6 | 1019.7 | 638.3 | 340.4 | 257.5 | 251.4 | 284.1 | 380.1 | 852.2 | 1312.9 | 1457.4 |
| Critical | 1711.6 | 1685.2 | 1829.1 | 1265.0 | 559.8 | 362.5 | 325.4 | 448.0 | 777.4 | 1821.1 | 1982.3 | 2295.9 |
| Dry | 991.3 | 958.9 | 1068.0 | 854.1 | 389.8 | 246.9 | 250.5 | 284.5 | 400.0 | 1263.2 | 1604.2 | 2205.7 |
| BN | 477.8 | 470.9 | 891.1 | 706.1 | 295.0 | 235.2 | 236.3 | 262.0 | 318.8 | 797.9 | 1489.6 | 2348.6 |
| AN | 1845.2 | 1657.6 | 1171.3 | 365.6 | 261.2 | 233.1 | 235.7 | 239.8 | 248.2 | 405.1 | 1107.7 | 965.5 |
| Wet | 731.0 | 638.6 | 511.4 | 316.6 | 242.9 | 220.6 | 221.4 | 219.4 | 227.4 | 355.5 | 885.4 | 750.6 |

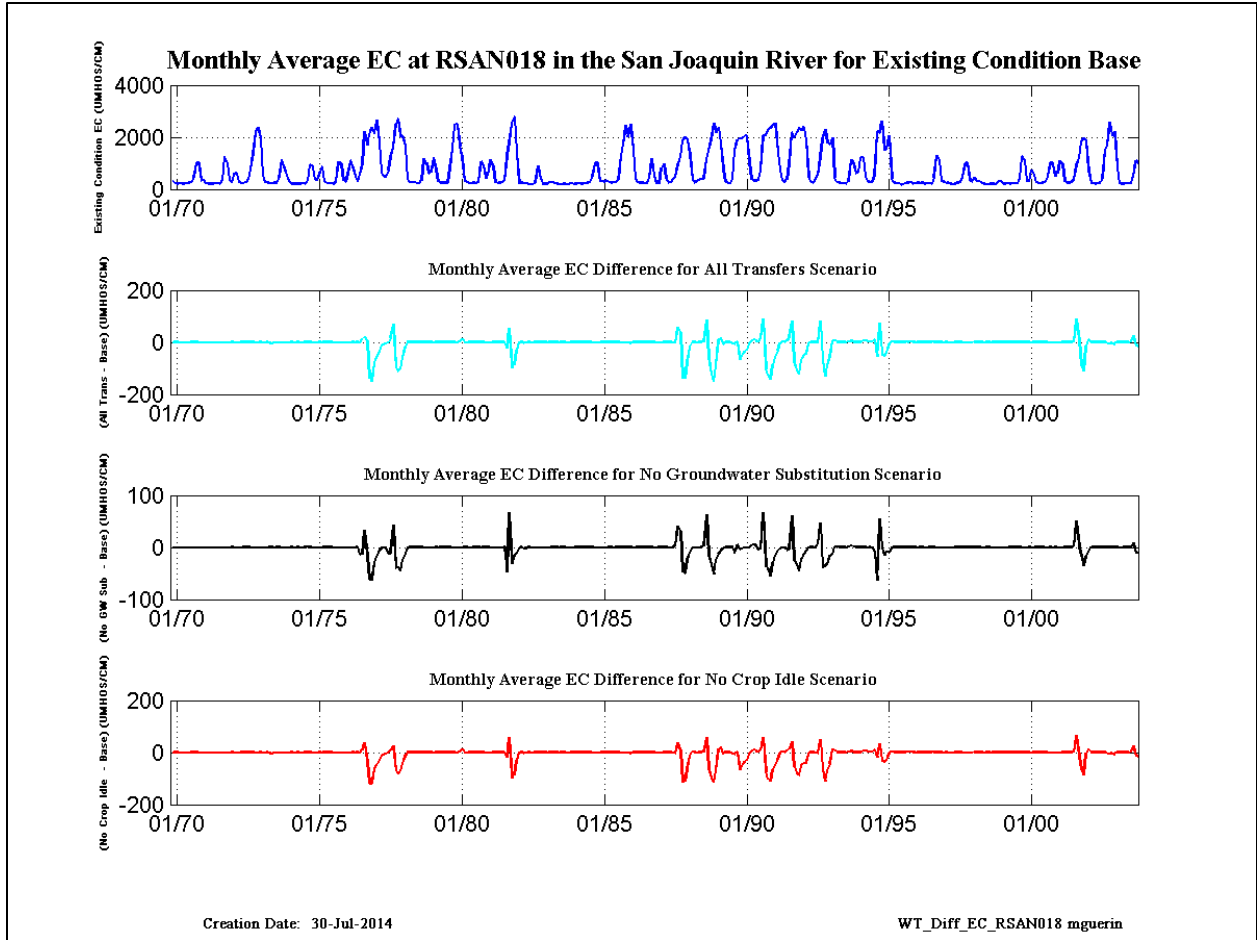


Figure 1-12. San Joaquin River location RSAN018 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-55. San Joaquin River location San Joaquin River location RSAN032 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 205.0 | 212.4 | 196.9 | 196.4 | 192.5 | 196.8 | 225.4 | 228.5 | 207.1 | 204.9 | 276.4 | 441.8 |
| 1971 | 222.1 | 217.0 | 202.3 | 196.1 | 200.1 | 199.9 | 223.7 | 207.4 | 188.4 | 194.7 | 305.8 | 446.2 |
| 1972 | 223.7 | 213.1 | 248.3 | 321.4 | 236.7 | 207.3 | 237.3 | 246.7 | 216.1 | 244.8 | 355.2 | 503.0 |
| 1973 | 559.6 | 747.2 | 331.5 | 228.8 | 215.2 | 206.0 | 232.9 | 233.9 | 201.0 | 207.2 | 291.1 | 253.0 |
| 1974 | 213.8 | 194.7 | 190.7 | 196.1 | 199.7 | 195.0 | 194.1 | 211.2 | 197.9 | 192.9 | 248.1 | 348.6 |
| 1975 | 224.3 | 224.9 | 274.8 | 375.2 | 233.8 | 200.8 | 218.7 | 201.3 | 195.7 | 191.7 | 256.2 | 377.0 |
| 1976 | 213.2 | 204.2 | 249.8 | 433.5 | 355.6 | 272.5 | 253.9 | 294.4 | 333.2 | 463.7 | 533.5 | 533.0 |
| 1977 | 623.4 | 559.5 | 716.3 | 687.2 | 379.9 | 294.2 | 268.9 | 306.7 | 377.4 | 431.0 | 520.1 | 746.4 |
| 1978 | 634.0 | 567.9 | 565.4 | 259.8 | 241.6 | 234.5 | 234.8 | 219.3 | 210.6 | 200.9 | 283.2 | 270.5 |
| 1979 | 223.2 | 244.1 | 397.7 | 404.3 | 265.4 | 222.5 | 232.9 | 232.7 | 200.6 | 240.7 | 367.6 | 517.4 |
| 1980 | 524.7 | 433.4 | 514.1 | 210.0 | 211.5 | 199.1 | 214.2 | 230.6 | 217.3 | 200.2 | 262.3 | 251.4 |
| 1981 | 208.3 | 228.6 | 394.3 | 412.8 | 229.1 | 225.0 | 257.2 | 255.2 | 215.3 | 319.0 | 430.4 | 535.5 |
| 1982 | 588.5 | 453.4 | 194.2 | 213.7 | 187.9 | 204.0 | 173.7 | 174.2 | 194.7 | 200.7 | 234.6 | 199.3 |
| 1983 | 186.7 | 191.9 | 193.8 | 222.9 | 205.4 | 183.2 | 182.2 | 174.7 | 181.6 | 191.3 | 182.8 | 178.7 |
| 1984 | 190.1 | 178.6 | 188.1 | 204.6 | 195.9 | 194.1 | 229.6 | 233.4 | 204.8 | 206.8 | 271.5 | 384.7 |
| 1985 | 212.6 | 210.9 | 209.8 | 229.5 | 223.5 | 238.6 | 259.1 | 246.0 | 217.1 | 322.2 | 428.2 | 508.0 |
| 1986 | 492.8 | 551.9 | 548.5 | 287.6 | 193.7 | 193.7 | 224.6 | 216.8 | 216.2 | 207.3 | 286.0 | 217.1 |
| 1987 | 198.1 | 201.5 | 284.9 | 429.3 | 272.0 | 240.3 | 269.4 | 262.4 | 223.4 | 264.2 | 356.3 | 425.7 |
| 1988 | 496.5 | 492.0 | 490.5 | 264.5 | 251.5 | 267.5 | 262.1 | 260.1 | 232.2 | 285.3 | 418.7 | 499.2 |
| 1989 | 650.3 | 570.5 | 667.8 | 708.4 | 423.7 | 227.0 | 222.3 | 216.3 | 206.5 | 368.3 | 462.2 | 448.0 |
| 1990 | 452.7 | 525.2 | 594.4 | 456.6 | 274.2 | 236.3 | 229.4 | 237.6 | 270.8 | 431.6 | 541.9 | 564.9 |
| 1991 | 661.0 | 691.5 | 748.4 | 636.1 | 398.2 | 267.7 | 259.6 | 246.2 | 282.2 | 464.2 | 525.7 | 547.1 |
| 1992 | 635.2 | 627.6 | 707.5 | 675.6 | 317.1 | 253.8 | 235.2 | 241.2 | 227.8 | 300.4 | 464.8 | 543.5 |
| 1993 | 513.2 | 490.6 | 590.2 | 292.8 | 239.8 | 215.6 | 214.0 | 213.6 | 205.4 | 192.4 | 280.5 | 263.2 |
| 1994 | 228.1 | 263.2 | 435.5 | 534.9 | 297.4 | 242.4 | 229.5 | 231.2 | 247.1 | 473.5 | 555.2 | 545.5 |
| 1995 | 469.3 | 390.3 | 574.1 | 264.1 | 208.2 | 197.3 | 188.8 | 169.1 | 190.3 | 203.9 | 188.1 | 182.6 |
| 1996 | 189.8 | 202.7 | 205.5 | 218.3 | 205.2 | 195.8 | 212.7 | 201.0 | 197.9 | 204.0 | 310.3 | 411.6 |
| 1997 | 218.4 | 207.5 | 205.2 | 183.0 | 184.0 | 192.0 | 212.3 | 240.1 | 212.5 | 202.9 | 259.3 | 407.5 |
| 1998 | 219.8 | 206.1 | 228.5 | 270.5 | 230.6 | 196.8 | 184.5 | 175.3 | 186.5 | 198.0 | 186.0 | 180.3 |
| 1999 | 194.4 | 210.9 | 189.8 | 211.1 | 194.9 | 189.6 | 221.6 | 218.6 | 194.5 | 200.5 | 306.2 | 419.5 |
| 2000 | 221.6 | 210.9 | 277.8 | 308.7 | 230.9 | 198.8 | 219.4 | 232.8 | 208.4 | 206.0 | 274.2 | 262.6 |
| 2001 | 219.9 | 250.4 | 357.7 | 446.9 | 258.6 | 229.0 | 267.1 | 258.9 | 216.1 | 256.3 | 331.0 | 419.0 |
| 2002 | 487.1 | 472.5 | 319.9 | 214.5 | 215.6 | 210.5 | 229.3 | 248.6 | 229.0 | 360.7 | 430.2 | 530.4 |
| 2003 | 545.4 | 506.2 | 352.6 | 196.2 | 199.5 | 198.8 | 226.4 | 204.1 | 194.3 | 211.7 | 292.9 | 275.7 |
| | | | | | | | | | | | | |
| Average | 363.1 | 357.5 | 377.8 | 335.0 | 246.1 | 218.4 | 227.9 | 228.5 | 220.6 | 266.0 | 344.6 | 401.1 |
| Critical | 472.9 | 480.5 | 563.2 | 526.9 | 324.8 | 262.1 | 248.4 | 259.6 | 281.5 | 407.1 | 508.6 | 568.5 |
| Dry | 329.4 | 322.4 | 372.4 | 406.9 | 270.4 | 228.4 | 250.7 | 247.9 | 217.9 | 315.1 | 406.4 | 477.7 |
| BN | 223.4 | 228.6 | 323.0 | 362.8 | 251.0 | 214.9 | 235.1 | 239.7 | 208.3 | 242.8 | 361.4 | 510.2 |
| AN | 499.8 | 492.7 | 438.6 | 249.4 | 223.1 | 208.8 | 223.6 | 222.4 | 206.2 | 203.1 | 280.7 | 262.7 |
| Wet | 278.1 | 264.8 | 260.9 | 233.8 | 202.5 | 195.3 | 207.1 | 204.0 | 197.5 | 200.0 | 254.7 | 322.7 |

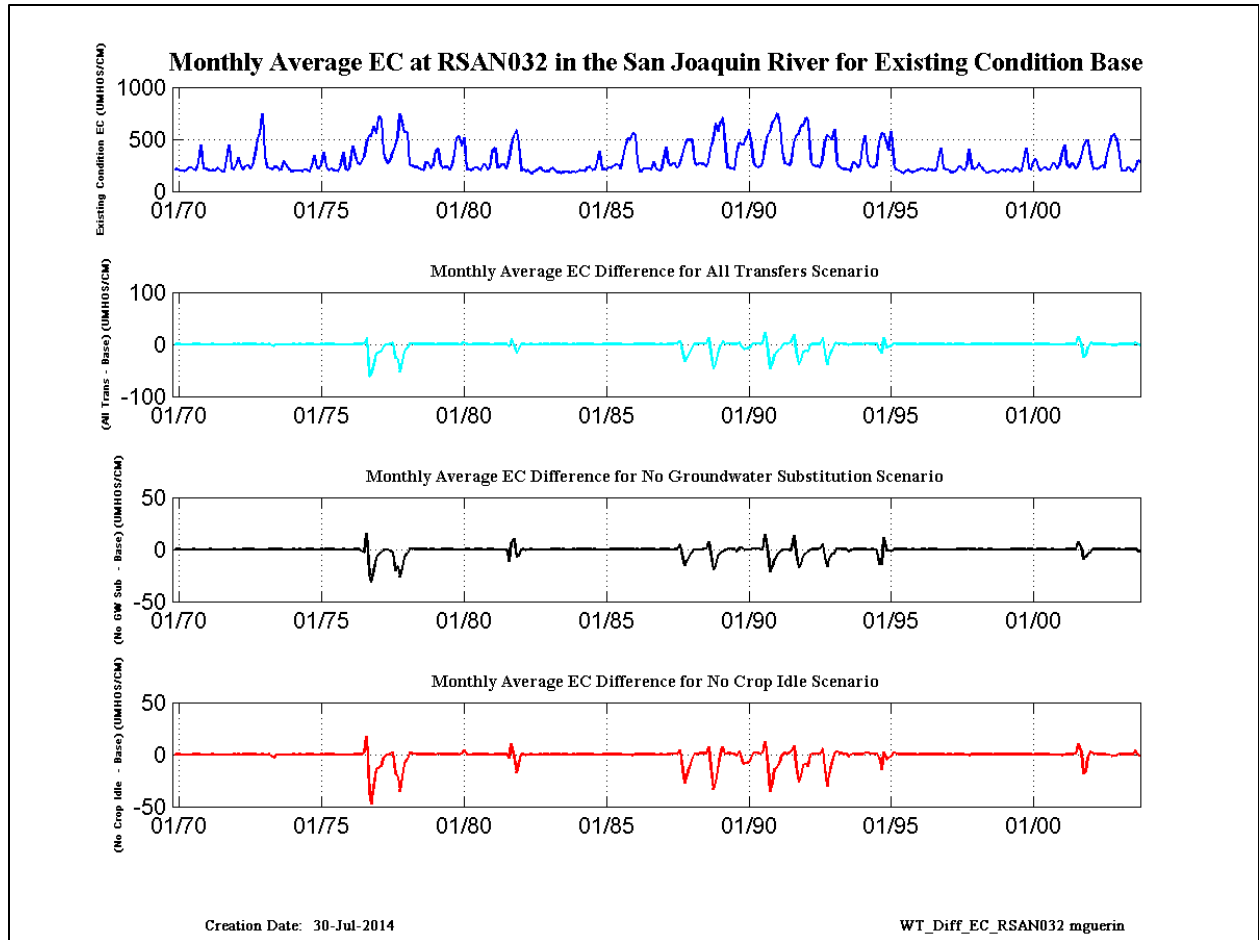


Figure 1-13. San Joaquin River location San Joaquin River location RSAN032 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-56. Sacramento River location RSAC081 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|------|------|------|------|--------|--------|--------|
| 1970 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.1 | -0.8 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -1.9 | 48.6 | -322.8 | -853.9 | -759.1 |
| 1977 | -371.1 | -144.9 | -71.7 | -19.4 | -13.1 | -4.2 | -1.5 | 13.6 | 50.6 | -507.1 | -685.3 | -496.2 |
| 1978 | -279.5 | -108.8 | -3.1 | 2.0 | 0.5 | 0.2 | 0.2 | 0.6 | 4.6 | 5.6 | 2.1 | 0.5 |
| 1979 | 0.2 | 0.1 | -0.7 | 7.3 | 0.8 | 0.5 | 1.6 | 1.9 | 2.1 | 0.8 | 0.4 | 0.0 |
| 1980 | 1.5 | 18.9 | 35.0 | 1.5 | -0.3 | 0.1 | 0.3 | 0.9 | 0.8 | 0.2 | 0.1 | 0.0 |
| 1981 | -0.1 | 0.5 | -0.8 | 5.1 | 0.9 | 0.6 | 1.9 | 6.3 | 7.1 | -64.7 | -391.8 | -284.8 |
| 1982 | -111.0 | -22.4 | -0.1 | 0.1 | -0.3 | -0.3 | 0.0 | 0.0 | 0.6 | 1.3 | 0.7 | -0.1 |
| 1983 | 8.9 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.3 | 0.8 |
| 1984 | 4.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.4 | 2.1 | 0.5 | 0.1 | 0.0 |
| 1985 | -0.3 | 5.3 | 4.3 | 7.2 | 5.3 | 1.5 | 1.5 | 3.5 | 3.1 | 1.6 | 1.7 | 1.6 |
| 1986 | 1.2 | 1.0 | 10.7 | 2.6 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.1 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.3 | 3.7 | 1.8 | 0.4 | 0.8 | 3.9 | 20.8 | -308.9 | -871.8 | -773.7 |
| 1988 | -354.8 | -143.3 | 26.1 | 11.3 | 2.7 | 3.0 | 27.8 | 22.9 | 36.6 | -591.8 | -766.7 | -585.0 |
| 1989 | -320.1 | -110.7 | 57.0 | 66.3 | 8.7 | 4.7 | 10.0 | 17.5 | 10.2 | -32.3 | -239.6 | -169.8 |
| 1990 | -64.2 | -25.7 | -10.9 | 21.6 | 63.3 | 82.3 | 36.1 | 35.8 | 68.5 | -677.3 | -802.9 | -591.6 |
| 1991 | -336.2 | -136.6 | -65.3 | -23.8 | 39.9 | 14.0 | 20.0 | 67.3 | 96.6 | -537.6 | -640.9 | -471.7 |
| 1992 | -263.6 | -102.8 | -49.7 | -22.7 | 8.9 | 9.0 | 33.5 | 39.8 | 46.9 | -603.1 | -766.2 | -553.6 |
| 1993 | -292.1 | -107.8 | 86.7 | 11.8 | 0.9 | 1.4 | 0.3 | 1.6 | 10.8 | 25.9 | 11.0 | 2.7 |
| 1994 | 1.2 | 0.7 | -0.7 | 45.1 | 23.2 | 30.8 | 32.4 | 34.2 | 58.2 | -125.8 | -721.0 | -579.0 |
| 1995 | -235.0 | -87.2 | 18.4 | 3.8 | 0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 1.3 | 19.6 | 9.9 |
| 1996 | 1.8 | 0.0 | 13.7 | 1.1 | 0.0 | 0.0 | 0.0 | 0.1 | 5.4 | 7.8 | 2.7 | 0.3 |
| 1997 | 0.0 | -1.3 | 0.1 | 0.0 | 0.0 | 0.5 | 1.7 | 4.9 | 5.3 | 1.9 | 0.1 | 0.6 |
| 1998 | 0.4 | 0.1 | 9.9 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.3 | 3.8 |
| 1999 | 2.7 | 4.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 4.9 | 3.7 | 1.3 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.1 | 9.5 | 0.1 | 0.0 | 0.3 | 1.1 | 2.4 | 1.1 | 0.2 | 0.0 |
| 2001 | 0.0 | -0.1 | 1.6 | 10.4 | 1.7 | 0.4 | 2.3 | 25.2 | 47.5 | -507.6 | -708.3 | -599.8 |
| 2002 | -311.9 | 1.8 | 18.8 | 0.7 | 14.2 | 15.4 | 18.6 | 19.7 | 18.1 | 6.9 | 6.2 | 5.7 |
| 2003 | 1.1 | -1.0 | 6.9 | 0.1 | 0.5 | 2.2 | 0.7 | 0.1 | 29.3 | -14.5 | -44.6 | -34.1 |
| | | | | | | | | | | | | |
| Average | -85.8 | -28.2 | 2.6 | 4.3 | 4.7 | 4.8 | 5.5 | 8.9 | 17.1 | -124.5 | -218.9 | -172.7 |
| Critical | -198.4 | -79.0 | -24.6 | 1.7 | 17.8 | 19.3 | 21.3 | 30.3 | 58.0 | -480.8 | -748.1 | -576.6 |
| Dry | -105.4 | -17.2 | 13.5 | 15.6 | 5.4 | 3.8 | 5.9 | 12.7 | 17.8 | -150.8 | -367.3 | -303.5 |
| BN | 0.1 | 0.0 | -0.4 | 3.6 | 0.4 | 0.2 | 0.8 | 1.0 | 1.1 | 0.4 | 0.2 | 0.0 |
| AN | -94.8 | -33.1 | 20.9 | 4.1 | 0.3 | 0.6 | -0.1 | 0.6 | 8.0 | 3.1 | -5.2 | -5.1 |
| Wet | -25.2 | -8.0 | 4.1 | 0.7 | 0.0 | 0.0 | 0.2 | 0.7 | 1.4 | 1.3 | 2.3 | 1.2 |

Table 1-57. Sacramento River location RSAC081 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.8 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -4.9 | -11.0 | -7.9 |
| 1977 | -3.4 | -1.4 | -0.7 | -0.4 | -0.4 | -0.1 | 0.0 | 0.2 | 0.6 | -5.8 | -7.3 | -4.7 |
| 1978 | -2.6 | -1.0 | -0.1 | 0.7 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.3 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 0.2 | 0.5 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 1.1 | 0.6 | -0.2 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.4 | 0.4 | 0.2 | -1.5 | -6.4 | -3.6 |
| 1982 | -1.1 | -1.7 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1983 | 1.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| 1984 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.8 | 0.6 | 0.5 | 0.5 | 0.2 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.3 | 0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.6 | -6.2 | -12.3 | -9.0 |
| 1988 | -3.6 | -1.5 | 0.7 | 2.6 | 0.5 | 0.1 | 1.1 | 0.7 | 1.0 | -9.7 | -9.6 | -6.3 |
| 1989 | -2.8 | -1.2 | 0.7 | 1.2 | 0.2 | 1.3 | 3.9 | 2.1 | 0.3 | -0.7 | -4.3 | -2.9 |
| 1990 | -0.8 | -0.3 | -0.1 | 0.8 | 5.2 | 4.8 | 1.7 | 1.1 | 1.2 | -9.1 | -9.7 | -6.2 |
| 1991 | -3.1 | -1.2 | -0.6 | -0.3 | 0.9 | 2.5 | 2.7 | 2.2 | 1.6 | -7.2 | -7.9 | -4.9 |
| 1992 | -2.4 | -1.0 | -0.5 | -0.3 | 1.2 | 2.3 | 3.2 | 1.2 | 1.2 | -9.8 | -9.1 | -5.9 |
| 1993 | -3.0 | -1.1 | 1.3 | 2.9 | 0.4 | 0.7 | 0.2 | 0.8 | 4.2 | 2.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.2 | 2.8 | 2.6 | 2.1 | 1.7 | 1.2 | -2.0 | -9.9 | -6.7 |
| 1995 | -2.9 | -1.0 | 0.3 | 1.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.7 | 0.9 |
| 1996 | 0.2 | 0.0 | 1.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.4 | 0.1 | 0.0 |
| 1997 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.6 | 0.8 | 0.3 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.0 | 0.0 | 0.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.7 |
| 1999 | 0.2 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 1.4 | 1.6 | -10.5 | -10.5 | -7.0 |
| 2002 | -3.3 | 0.0 | 1.7 | 0.3 | 3.9 | 3.5 | 4.2 | 2.4 | 0.6 | 0.1 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.7 | 0.1 | 0.2 | 0.8 | 0.3 | 0.1 | 2.4 | -0.7 | -1.1 | -1.3 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.3 | 0.2 | 0.4 | 0.5 | 0.6 | 0.6 | 0.5 | 0.6 | -1.9 | -2.8 | -1.9 |
| Critical | -1.9 | -0.8 | -0.2 | 0.5 | 1.4 | 1.7 | 1.5 | 1.0 | 1.1 | -6.9 | -9.2 | -6.1 |
| Dry | -1.0 | -0.1 | 0.5 | 0.5 | 0.9 | 0.9 | 1.5 | 1.1 | 0.6 | -3.1 | -5.6 | -3.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.9 | -0.3 | 0.5 | 0.9 | 0.1 | 0.2 | 0.0 | 0.2 | 1.3 | 0.3 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-58. Sacramento River location RSAC092 export difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|------|------|------|------|------|------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | 28.2 | -129.4 | -576.4 | -479.0 |
| 1977 | -190.7 | -53.6 | -20.7 | -5.5 | -2.4 | 0.1 | 0.5 | 7.6 | 30.5 | -423.5 | -403.7 | -359.7 |
| 1978 | -149.0 | -38.5 | -1.1 | 0.5 | 0.3 | 0.1 | 0.1 | 0.1 | 0.4 | 0.6 | 0.5 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.2 | 0.9 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1980 | 1.5 | 4.7 | 5.5 | 0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | -0.2 | 0.5 | 0.1 | 0.0 | 0.1 | 1.0 | 2.0 | -17.2 | -186.3 | -100.7 |
| 1982 | -44.2 | -4.3 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1983 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.3 | 0.3 | 0.8 | 0.4 | 0.2 | 0.2 | 0.4 | 0.8 | 0.5 | 1.0 | 0.8 |
| 1986 | 1.0 | 0.8 | 1.5 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.2 | 0.7 | 0.2 | 0.0 | 0.5 | 2.1 | 7.1 | -126.9 | -505.1 | -404.0 |
| 1988 | -151.5 | -48.5 | 2.4 | 0.9 | 0.2 | 2.3 | 5.8 | 6.2 | 11.7 | -295.9 | -430.9 | -367.3 |
| 1989 | -161.3 | -28.8 | 32.1 | 22.1 | 4.7 | 0.7 | 0.8 | 1.5 | 3.4 | -10.9 | -89.9 | -50.9 |
| 1990 | -18.6 | -4.6 | 1.3 | 2.0 | 5.7 | 11.1 | 5.7 | 9.5 | 31.7 | -352.1 | -412.0 | -368.1 |
| 1991 | -174.7 | -51.3 | -18.4 | -1.2 | 10.4 | 1.8 | 2.4 | 18.5 | 46.7 | -296.4 | -331.9 | -304.6 |
| 1992 | -131.5 | -36.2 | -6.9 | -2.1 | 1.1 | 0.8 | 3.9 | 11.1 | 16.0 | -304.8 | -425.2 | -317.8 |
| 1993 | -142.2 | -32.0 | 29.8 | 1.9 | 0.6 | 0.6 | 0.1 | 0.3 | 0.0 | 1.8 | 2.5 | 0.6 |
| 1994 | 0.2 | 0.1 | -0.1 | 9.6 | 2.5 | 4.0 | 4.1 | 5.8 | 22.4 | -38.4 | -419.9 | -254.1 |
| 1995 | -87.6 | -19.5 | 4.6 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 1.0 |
| 1996 | 0.1 | 0.0 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.0 | 0.7 | 0.1 |
| 1997 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.8 | 0.2 | -0.1 | 0.1 |
| 1998 | 0.4 | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| 1999 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.4 | 0.3 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.9 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.6 | 1.5 | 0.1 | 0.0 | 0.2 | 4.9 | 12.2 | -192.2 | -329.4 | -327.7 |
| 2002 | -130.5 | 12.1 | 3.8 | 0.2 | 0.8 | 0.8 | 1.0 | 1.6 | 5.2 | 1.5 | 4.2 | 2.0 |
| 2003 | -0.1 | 0.9 | 1.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 4.7 | -1.3 | -10.3 | -6.9 |
| | | | | | | | | | | | | |
| Average | -40.5 | -8.8 | 1.1 | 1.0 | 0.7 | 0.7 | 0.7 | 2.1 | 6.6 | -64.2 | -120.9 | -98.1 |
| Critical | -95.3 | -27.7 | -6.1 | 0.5 | 2.5 | 2.9 | 3.2 | 8.3 | 26.8 | -262.9 | -428.6 | -350.1 |
| Dry | -48.7 | -2.7 | 6.1 | 4.3 | 1.1 | 0.3 | 0.5 | 1.9 | 5.1 | -57.5 | -184.2 | -146.7 |
| BN | 0.0 | 0.0 | -0.1 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| AN | -48.3 | -10.8 | 5.9 | 0.6 | 0.2 | 0.1 | -0.2 | 0.1 | 0.9 | 0.2 | -1.2 | -1.0 |
| Wet | -10.0 | -1.7 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.1 |

Table 1-59. Sacramento River location RSAC092 (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | -9.0 | -23.5 | -14.3 |
| 1977 | -4.8 | -1.7 | -0.7 | -0.6 | -0.4 | 0.0 | 0.1 | 0.5 | 1.2 | -15.2 | -13.7 | -8.7 |
| 1978 | -4.0 | -1.1 | -0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.1 | 0.4 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | -2.2 | -13.0 | -4.7 |
| 1982 | -1.6 | -1.3 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.4 | 1.1 | -12.3 | -24.6 | -15.2 |
| 1988 | -5.0 | -1.7 | 0.3 | 0.4 | 0.1 | 0.5 | 1.3 | 1.1 | 1.6 | -20.7 | -17.1 | -11.4 |
| 1989 | -3.9 | -1.2 | 1.6 | 2.1 | 0.6 | 0.4 | 0.4 | 0.7 | 0.6 | -1.2 | -7.7 | -3.9 |
| 1990 | -1.0 | -0.2 | 0.1 | 0.4 | 2.1 | 3.5 | 1.5 | 1.6 | 2.1 | -19.1 | -16.2 | -11.2 |
| 1991 | -4.4 | -1.3 | -0.5 | -0.1 | 1.3 | 0.8 | 1.0 | 3.0 | 3.0 | -15.6 | -13.6 | -9.1 |
| 1992 | -3.4 | -1.0 | -0.2 | -0.1 | 0.4 | 0.4 | 1.5 | 1.8 | 2.0 | -20.6 | -16.1 | -10.2 |
| 1993 | -4.5 | -1.1 | 2.1 | 0.8 | 0.3 | 0.3 | 0.1 | 0.2 | 0.0 | 0.7 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.3 | 1.0 | 1.5 | 1.4 | 1.6 | 1.9 | -3.0 | -21.3 | -10.2 |
| 1995 | -3.8 | -0.9 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 0.4 |
| 1996 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.1 | 1.3 | 2.3 | -19.7 | -18.1 | -12.4 |
| 2002 | -4.6 | 0.6 | 1.2 | 0.1 | 0.4 | 0.4 | 0.5 | 0.7 | 0.8 | 0.2 | 0.3 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | -0.4 | -1.4 | -1.4 |
| | | | | | | | | | | | | |
| Average | -1.2 | -0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 | -4.0 | -5.4 | -3.3 |
| Critical | -2.6 | -0.8 | -0.2 | 0.2 | 0.6 | 1.0 | 1.0 | 1.4 | 1.9 | -14.8 | -17.4 | -10.8 |
| Dry | -1.4 | -0.1 | 0.5 | 0.5 | 0.2 | 0.1 | 0.2 | 0.6 | 0.9 | -5.9 | -10.5 | -6.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.4 | -0.3 | 0.6 | 0.2 | 0.1 | 0.1 | -0.1 | 0.0 | 0.3 | 0.1 | -0.2 | -0.2 |
| Wet | -0.4 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-60. Sacramento River location RSAC101 (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|------|------|-----|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | -10.2 | -82.7 | -65.0 |
| 1977 | -25.6 | -7.3 | -3.6 | -1.2 | -0.5 | -0.1 | 0.0 | 0.9 | 4.7 | -67.8 | -44.1 | -61.5 |
| 1978 | -21.2 | -5.4 | -0.6 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.1 | 0.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.7 | -15.1 | -7.2 |
| 1982 | -7.3 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.5 | -7.3 | -58.6 | -44.8 |
| 1988 | -18.1 | -6.8 | -0.2 | 0.2 | 0.0 | 0.5 | 0.4 | 0.6 | 1.0 | -23.1 | -53.6 | -58.5 |
| 1989 | -24.5 | -4.8 | 3.1 | 2.5 | 0.6 | 0.2 | 0.3 | 0.2 | 0.2 | -1.0 | -7.7 | -4.4 |
| 1990 | -3.0 | -1.8 | -0.8 | 0.0 | 0.6 | 0.8 | 0.4 | 0.8 | 4.4 | -30.6 | -44.5 | -54.1 |
| 1991 | -25.2 | -7.4 | -3.4 | -0.4 | 0.6 | 0.3 | 0.4 | 1.5 | 5.7 | -25.8 | -36.4 | -47.2 |
| 1992 | -18.6 | -5.1 | -0.5 | -1.2 | 0.4 | 0.3 | 0.4 | 0.8 | 1.1 | -24.2 | -47.6 | -40.3 |
| 1993 | -18.3 | -3.2 | 2.3 | 0.6 | 0.4 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.8 | 0.3 | 0.4 | 0.2 | 0.3 | 2.5 | -4.3 | -47.7 | -15.1 |
| 1995 | -7.0 | -1.6 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.4 | 0.8 | -10.0 | -27.4 | -34.8 |
| 2002 | -13.3 | 0.2 | 0.3 | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.5 | 0.1 | 0.4 | -0.1 |
| 2003 | -0.3 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | -0.8 | -0.7 |
| | | | | | | | | | | | | |
| Average | -5.4 | -1.3 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.8 | -6.0 | -13.7 | -12.7 |
| Critical | -12.9 | -4.1 | -1.2 | -0.3 | 0.2 | 0.3 | 0.2 | 0.7 | 3.4 | -26.6 | -50.9 | -48.8 |
| Dry | -6.3 | -0.7 | 0.6 | 0.5 | 0.2 | 0.1 | 0.1 | 0.2 | 0.4 | -3.3 | -18.1 | -15.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -6.6 | -1.4 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.1 |
| Wet | -1.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-61. Sacramento River location RSAC101 (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|------|-----|-----|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | -3.5 | -19.5 | -12.9 |
| 1977 | -4.5 | -1.6 | -0.8 | -0.5 | -0.2 | 0.0 | 0.0 | 0.3 | 1.2 | -15.3 | -10.0 | -9.5 |
| 1978 | -3.9 | -1.1 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -5.1 | -1.9 |
| 1982 | -1.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | -3.0 | -16.6 | -11.0 |
| 1988 | -3.9 | -1.6 | -0.1 | 0.1 | 0.0 | 0.2 | 0.2 | 0.3 | 0.5 | -8.2 | -12.9 | -11.6 |
| 1989 | -3.7 | -1.2 | 0.8 | 0.9 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | -0.4 | -2.7 | -1.5 |
| 1990 | -0.9 | -0.4 | -0.2 | 0.0 | 0.3 | 0.4 | 0.2 | 0.4 | 1.5 | -9.3 | -10.3 | -10.6 |
| 1991 | -4.1 | -1.2 | -0.6 | -0.1 | 0.3 | 0.2 | 0.2 | 0.7 | 2.0 | -7.5 | -8.8 | -9.0 |
| 1992 | -3.1 | -0.9 | -0.1 | -0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | -8.5 | -11.3 | -8.5 |
| 1993 | -3.9 | -0.7 | 0.8 | 0.3 | 0.2 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 | 1.0 | -1.6 | -13.0 | -3.8 |
| 1995 | -1.8 | -0.5 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | -4.3 | -8.7 | -8.8 |
| 2002 | -3.3 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.1 | 0.0 |
| 2003 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.4 | -0.3 |
| | | | | | | | | | | | | |
| Average | -1.0 | -0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.3 | -1.8 | -3.5 | -2.6 |
| Critical | -2.3 | -0.8 | -0.3 | -0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 1.1 | -7.7 | -12.2 | -9.4 |
| Dry | -1.2 | -0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -1.4 | -5.5 | -3.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| Wet | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-62. San Joaquin River location RSAN007 (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|------|------|------|--------|--------|--------|
| 1970 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -3.6 | -1.1 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -1.9 | 40.4 | -214.5 | -453.2 | -542.8 |
| 1977 | -326.9 | -139.2 | -73.6 | -27.6 | -15.6 | -10.0 | -6.0 | 6.7 | 44.9 | -191.6 | -505.3 | -364.4 |
| 1978 | -233.7 | -102.8 | -12.7 | 1.6 | 0.6 | 0.4 | 0.2 | 0.2 | 1.6 | 3.3 | 1.6 | 0.5 |
| 1979 | 0.1 | 0.0 | -0.6 | 3.2 | 0.5 | 0.3 | 0.3 | 0.5 | 0.9 | 0.5 | 0.3 | 0.0 |
| 1980 | 0.2 | 13.3 | 24.7 | 2.4 | -1.8 | 0.3 | 0.1 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 |
| 1981 | -0.1 | -0.3 | -0.7 | 2.0 | 0.4 | 0.2 | 0.5 | 2.8 | 2.7 | -48.3 | -232.8 | -253.0 |
| 1982 | -113.4 | -21.8 | -1.1 | 0.1 | -1.7 | -1.2 | 0.1 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 |
| 1983 | 3.8 | 0.7 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.1 | 0.3 | 0.2 |
| 1984 | 2.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 1.0 | 0.1 | 0.0 | 0.0 |
| 1985 | -0.2 | 2.3 | 2.3 | 3.8 | 2.8 | 0.6 | 0.5 | 1.4 | 1.3 | 0.8 | 0.4 | 0.8 |
| 1986 | -0.1 | -0.2 | 6.3 | 1.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.2 | -0.1 | 2.2 | 1.2 | 0.2 | 0.0 | -0.9 | 8.8 | -145.1 | -454.7 | -572.0 |
| 1988 | -310.7 | -132.5 | 2.9 | 5.5 | 0.9 | -1.6 | 13.7 | 9.7 | 21.7 | -308.1 | -491.1 | -420.0 |
| 1989 | -295.9 | -121.5 | 44.5 | 50.2 | -4.7 | 1.2 | 2.7 | 5.9 | 1.9 | -22.5 | -156.7 | -145.9 |
| 1990 | -66.3 | -36.3 | -24.7 | 6.6 | 30.3 | 45.9 | 22.4 | 20.9 | 53.8 | -415.1 | -583.8 | -443.0 |
| 1991 | -304.9 | -139.4 | -74.0 | -42.2 | 17.6 | 8.6 | 8.1 | 40.5 | 70.7 | -326.2 | -451.9 | -351.4 |
| 1992 | -244.6 | -107.5 | -65.8 | -40.4 | -3.5 | 3.0 | 14.1 | 17.7 | 22.3 | -328.0 | -526.6 | -422.9 |
| 1993 | -233.5 | -102.4 | 55.8 | 15.3 | 1.2 | 0.9 | 0.4 | 0.5 | 2.1 | 13.5 | 8.3 | 2.7 |
| 1994 | 0.8 | 0.5 | -0.6 | 28.4 | 15.4 | 15.2 | 17.1 | 17.6 | 39.9 | -98.6 | -414.0 | -445.1 |
| 1995 | -181.6 | -76.9 | 8.6 | 5.0 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 0.3 | 10.6 | 7.0 |
| 1996 | 0.8 | 0.0 | 6.2 | 0.8 | 0.1 | 0.0 | 0.0 | 0.1 | 1.9 | 5.3 | 2.1 | 0.4 |
| 1997 | 0.1 | -0.5 | 0.1 | -0.2 | -0.1 | 0.1 | 0.4 | 1.4 | 2.6 | 0.4 | -0.2 | 0.9 |
| 1998 | -0.3 | -1.2 | 5.9 | 1.7 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 1.8 | 1.6 |
| 1999 | 1.3 | 2.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.0 | 2.4 | 1.0 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.4 | 3.3 | 0.1 | 0.1 | 0.1 | 0.2 | 1.2 | 0.1 | 0.1 | 0.0 |
| 2001 | 0.0 | -0.1 | 0.4 | 4.7 | 0.8 | 0.1 | 0.7 | 12.3 | 25.8 | -251.2 | -419.0 | -424.7 |
| 2002 | -268.7 | -4.0 | 18.2 | 0.7 | 4.7 | 5.9 | 5.2 | 6.8 | 8.3 | 4.5 | 1.4 | 2.2 |
| 2003 | -0.4 | -4.5 | 3.1 | 0.3 | 0.1 | 0.6 | 0.2 | 0.1 | 16.2 | 4.9 | -33.3 | -27.4 |
| Average | -75.7 | -28.6 | -2.2 | 0.9 | 1.5 | 2.0 | 2.3 | 4.2 | 11.0 | -68.0 | -138.1 | -129.3 |
| Critical | -178.9 | -79.2 | -33.7 | -10.0 | 6.5 | 8.7 | 9.9 | 15.9 | 42.0 | -268.9 | -489.4 | -427.1 |
| Dry | -94.1 | -20.6 | 10.8 | 10.6 | 0.9 | 1.4 | 1.6 | 4.7 | 8.1 | -77.0 | -210.2 | -232.1 |
| BN | 0.1 | 0.0 | -0.3 | 1.6 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | 0.3 | 0.1 | 0.0 |
| AN | -77.9 | -32.7 | 11.7 | 3.8 | 0.0 | 0.1 | -0.4 | 0.0 | 3.5 | 3.7 | -3.9 | -4.0 |
| Wet | -22.1 | -7.5 | 2.0 | 0.7 | 0.0 | 0.0 | 0.1 | 0.2 | 0.6 | 0.7 | 1.2 | 0.8 |

Table 1-63. San Joaquin River location RSAN007 (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -1.6 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.0 | -4.5 | -8.9 | -8.3 |
| 1977 | -4.3 | -2.0 | -1.0 | -0.8 | -0.9 | -0.6 | -0.3 | 0.2 | 0.9 | -3.4 | -7.5 | -4.8 |
| 1978 | -3.4 | -1.5 | -0.4 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.5 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 1.2 | 0.7 | -0.7 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.2 | 0.4 | 0.2 | -1.7 | -5.6 | -4.4 |
| 1982 | -1.6 | -1.5 | -0.5 | 0.0 | -0.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1983 | 1.1 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1984 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.1 | 0.5 | -4.7 | -10.2 | -9.9 |
| 1988 | -4.8 | -2.1 | 0.1 | 1.4 | 0.3 | -0.2 | 1.1 | 0.6 | 1.2 | -8.1 | -9.6 | -6.8 |
| 1989 | -3.8 | -1.9 | 0.8 | 1.4 | -0.2 | 0.3 | 1.2 | 1.5 | 0.1 | -0.7 | -4.1 | -3.5 |
| 1990 | -1.3 | -0.6 | -0.4 | 0.3 | 4.5 | 5.3 | 2.2 | 1.3 | 1.7 | -8.0 | -10.4 | -6.7 |
| 1991 | -4.2 | -1.8 | -1.0 | -0.9 | 0.7 | 1.7 | 2.0 | 2.7 | 1.9 | -6.2 | -8.2 | -5.3 |
| 1992 | -3.3 | -1.5 | -0.9 | -0.8 | -0.4 | 1.0 | 2.8 | 1.0 | 1.0 | -8.3 | -9.1 | -6.4 |
| 1993 | -3.7 | -1.7 | 1.2 | 2.5 | 0.4 | 0.4 | 0.2 | 0.2 | 1.0 | 1.9 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.1 | 2.2 | 2.5 | 2.3 | 1.8 | 1.5 | -2.2 | -8.1 | -7.1 |
| 1995 | -3.8 | -1.4 | 0.2 | 1.0 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 1.8 | 1.2 |
| 1996 | 0.2 | 0.0 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.5 | 0.1 | 0.0 |
| 1997 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.5 | 0.3 | 0.0 | 0.0 | 0.1 |
| 1998 | 0.0 | -0.2 | 0.7 | 0.5 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.5 | 0.5 |
| 1999 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.2 | 1.5 | 1.7 | -8.4 | -9.9 | -7.4 |
| 2002 | -4.3 | -0.1 | 1.7 | 0.3 | 1.9 | 2.2 | 2.0 | 1.7 | 0.5 | 0.1 | 0.0 | 0.0 |
| 2003 | 0.0 | -0.1 | 0.3 | 0.2 | 0.1 | 0.3 | 0.1 | 0.0 | 2.6 | 0.4 | -1.3 | -1.5 |
| | | | | | | | | | | | | |
| Average | -1.1 | -0.4 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | -1.5 | -2.6 | -2.1 |
| Critical | -2.5 | -1.1 | -0.5 | 0.1 | 0.9 | 1.4 | 1.4 | 1.1 | 1.3 | -5.8 | -8.8 | -6.5 |
| Dry | -1.3 | -0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.9 | 0.5 | -2.6 | -5.0 | -4.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.5 | 0.4 | 0.7 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | -0.3 | -0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-64. San Joaquin River location RSAN018 (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|-------|------|------|------|------|-------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.6 | -4.3 | -1.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 13.8 | 18.9 | 4.5 | -136.5 |
| 1977 | -151.4 | -78.0 | -56.6 | -34.5 | -11.4 | -6.5 | -4.3 | 0.1 | 17.2 | 70.3 | -97.7 | -111.4 |
| 1978 | -102.5 | -56.0 | -19.3 | 0.7 | 0.9 | 0.5 | 0.2 | 0.1 | 0.2 | 0.9 | 0.9 | 0.3 |
| 1979 | 0.1 | 0.0 | -0.3 | 1.0 | 0.4 | 0.2 | 0.1 | 0.2 | 0.1 | 0.3 | 0.2 | 0.0 |
| 1980 | -2.0 | 4.2 | 12.8 | 1.4 | -1.8 | 0.3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.9 | -0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.3 | -0.1 | -22.0 | 55.4 | -98.6 |
| 1982 | -87.1 | -28.6 | -0.9 | 0.1 | -2.1 | -1.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.0 |
| 1983 | 0.6 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.4 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.7 | 0.9 | 1.0 | 0.8 | 0.2 | 0.1 | 0.2 | 0.1 | -0.5 | -1.2 | -1.5 |
| 1986 | -1.5 | -2.1 | 1.7 | 0.8 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.5 | 0.3 | 0.5 | 0.1 | 0.3 | -1.3 | -0.6 | 57.2 | 38.3 | -137.5 |
| 1988 | -136.7 | -73.7 | -16.5 | 1.4 | 0.3 | -0.6 | 1.8 | 0.9 | 3.7 | 87.5 | -59.3 | -123.6 |
| 1989 | -150.6 | -86.8 | 6.0 | 15.8 | -6.6 | 0.7 | 0.9 | 0.8 | -2.4 | -6.2 | 1.6 | -64.6 |
| 1990 | -50.5 | -36.7 | -29.8 | -5.9 | 5.6 | 10.2 | 5.8 | 3.9 | 16.9 | 91.3 | -102.2 | -127.2 |
| 1991 | -142.3 | -84.7 | -56.1 | -30.9 | -2.7 | 2.0 | 1.1 | 7.6 | 20.9 | 81.6 | -75.1 | -105.7 |
| 1992 | -120.3 | -66.1 | -50.6 | -44.5 | -5.4 | 0.6 | 1.3 | 0.2 | -0.2 | 81.2 | -71.0 | -130.0 |
| 1993 | -90.6 | -53.7 | 6.7 | 7.4 | 1.7 | 1.2 | 0.4 | 0.5 | -0.7 | 2.6 | 4.3 | 1.9 |
| 1994 | 0.3 | 0.2 | -0.3 | 7.8 | 6.7 | 2.8 | 2.8 | 2.3 | 9.8 | -53.1 | 75.2 | -47.4 |
| 1995 | -52.6 | -37.3 | -6.7 | 3.0 | 0.9 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 2.0 | 2.4 |
| 1996 | 0.2 | 0.0 | 1.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 2.0 | 1.2 | 0.5 |
| 1997 | 0.0 | -0.1 | 0.1 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.3 | -0.9 | -0.3 | -0.5 |
| 1998 | -0.3 | -1.2 | 2.0 | 0.9 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 |
| 1999 | 0.4 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.9 | 0.6 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | -0.6 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -1.3 | 0.6 | 0.3 | 0.1 | 0.1 | 1.4 | 3.2 | 89.6 | 6.1 | -84.5 |
| 2002 | -110.6 | -15.8 | 9.8 | 0.8 | 0.7 | 0.7 | 0.3 | 0.5 | 0.5 | 0.0 | -4.2 | -5.5 |
| 2003 | -2.6 | -6.4 | 1.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 2.6 | 24.5 | -12.4 | -16.5 |
| Average | -35.3 | -18.3 | -5.8 | -2.1 | -0.3 | 0.3 | 0.2 | 0.5 | 2.5 | 15.5 | -6.9 | -34.9 |
| Critical | -85.8 | -48.4 | -30.0 | -15.2 | -1.0 | 1.2 | 1.2 | 2.0 | 11.7 | 54.0 | -46.5 | -111.7 |
| Dry | -43.5 | -17.1 | 2.4 | 3.2 | -0.7 | 0.3 | 0.3 | 0.3 | 0.1 | 19.7 | 16.0 | -65.4 |
| BN | 0.0 | 0.0 | -0.2 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| AN | -32.9 | -18.7 | 0.2 | 1.7 | 0.2 | -0.1 | -0.6 | 0.0 | 0.4 | 4.6 | -1.2 | -2.4 |
| Wet | -10.8 | -5.2 | -0.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 |

Table 1-65. San Joaquin River location RSAN018 (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.8 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.4 | 0.9 | 0.3 | -6.5 |
| 1977 | -6.4 | -3.6 | -2.1 | -1.9 | -1.7 | -1.4 | -0.9 | 0.0 | 1.4 | 4.3 | -3.9 | -4.1 |
| 1978 | -5.1 | -2.8 | -1.2 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | 0.3 | 1.0 | 0.5 | -0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | -1.7 | 3.1 | -3.9 |
| 1982 | -3.1 | -2.0 | -0.4 | 0.1 | -0.9 | -0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | -0.3 | -0.1 | 5.8 | 3.0 | -7.4 |
| 1988 | -6.8 | -3.8 | -1.3 | 0.4 | 0.1 | -0.2 | 0.5 | 0.2 | 0.9 | 7.5 | -3.9 | -6.5 |
| 1989 | -5.9 | -4.0 | 0.3 | 0.9 | -0.8 | 0.2 | 0.4 | 0.4 | -0.6 | -0.4 | 0.1 | -3.3 |
| 1990 | -2.6 | -1.8 | -1.4 | -0.6 | 1.4 | 3.1 | 1.8 | 1.1 | 2.3 | 4.4 | -4.9 | -5.6 |
| 1991 | -6.1 | -3.4 | -2.2 | -2.2 | -0.4 | 0.6 | 0.4 | 2.0 | 2.1 | 3.7 | -3.8 | -4.9 |
| 1992 | -5.1 | -2.9 | -2.1 | -2.3 | -1.1 | 0.2 | 0.5 | 0.0 | 0.0 | 6.4 | -3.7 | -5.7 |
| 1993 | -5.1 | -3.1 | 0.3 | 1.6 | 0.6 | 0.5 | 0.2 | 0.2 | -0.3 | 0.9 | 0.4 | 0.2 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.6 | 1.4 | 0.9 | 1.0 | 0.8 | 1.8 | -2.4 | 3.5 | -1.8 |
| 1995 | -3.5 | -2.4 | -0.3 | 0.7 | 0.4 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.8 | 0.9 |
| 1996 | 0.1 | 0.0 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | 0.0 |
| 1998 | -0.1 | -0.4 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.5 | 0.9 | 9.5 | 0.5 | -4.6 |
| 2002 | -5.7 | -0.8 | 1.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 | -0.2 | -0.2 |
| 2003 | -0.1 | -0.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 4.8 | -1.1 | -1.7 |
| | | | | | | | | | | | | |
| Average | -1.6 | -0.9 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 1.3 | -0.3 | -1.6 |
| Critical | -3.8 | -2.2 | -1.3 | -0.9 | 0.0 | 0.5 | 0.5 | 0.6 | 1.4 | 3.5 | -2.4 | -5.0 |
| Dry | -1.9 | -0.8 | 0.3 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 2.2 | 1.1 | -3.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.7 | -1.0 | 0.0 | 0.4 | 0.1 | 0.0 | -0.2 | 0.0 | 0.1 | 1.0 | -0.1 | -0.2 |
| Wet | -0.5 | -0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-66. San Joaquin River location RSAN032 (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -3.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 13.0 | -61.8 | -58.1 |
| 1977 | -39.2 | -17.3 | -16.1 | -13.2 | -4.0 | -0.8 | -0.1 | 0.4 | 3.7 | -27.0 | -28.9 | -53.8 |
| 1978 | -33.3 | -13.4 | -7.5 | 1.1 | 1.0 | 0.5 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.1 | 0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.7 | 3.8 | 0.3 | -0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.3 | 0.2 | -3.7 | 10.2 | -1.4 |
| 1982 | -17.8 | -9.2 | 0.0 | 0.1 | -0.9 | -0.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | -0.1 | -0.2 | -0.5 |
| 1986 | -0.2 | -0.5 | 0.2 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.2 | -0.1 | 0.1 | 0.0 | 0.7 | 1.0 | 0.6 | 7.0 | -15.7 | -32.3 |
| 1988 | -25.2 | -15.3 | -7.4 | 0.5 | 0.2 | 1.2 | 1.2 | 1.3 | 1.1 | 12.7 | -14.7 | -46.2 |
| 1989 | -37.0 | -19.1 | -2.0 | 6.2 | 0.0 | 1.3 | 1.0 | 0.9 | 0.2 | -1.0 | 3.2 | -5.6 |
| 1990 | -9.4 | -8.4 | -7.8 | -3.3 | 1.1 | 1.7 | 1.3 | 0.8 | 2.7 | 23.7 | -14.5 | -47.8 |
| 1991 | -37.0 | -19.5 | -15.1 | -9.6 | -1.2 | 1.1 | 0.8 | 1.2 | 4.3 | 19.2 | -12.7 | -38.6 |
| 1992 | -29.8 | -15.2 | -12.0 | -13.4 | -0.4 | 0.7 | 0.5 | 0.9 | 0.7 | 12.3 | -14.2 | -39.0 |
| 1993 | -24.9 | -10.8 | -0.9 | 2.9 | 1.4 | 1.1 | 0.3 | 0.6 | -2.1 | -0.5 | 0.7 | 0.2 |
| 1994 | 0.1 | 0.0 | -0.1 | 1.8 | 1.9 | 0.8 | 0.6 | 0.5 | 1.4 | -10.9 | -17.8 | 12.2 |
| 1995 | -6.3 | -4.5 | -3.7 | 1.6 | 0.7 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 |
| 1997 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | -0.1 | -0.5 |
| 1998 | 0.1 | 0.0 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.6 | -0.1 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 15.2 | 1.9 | -24.5 |
| 2002 | -21.4 | -5.3 | 2.1 | 0.6 | 0.5 | 0.3 | 0.4 | 0.4 | 0.4 | -0.2 | -0.4 | -1.5 |
| 2003 | -1.0 | -1.1 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 3.7 | -0.4 | -2.5 |
| | | | | | | | | | | | | |
| Average | -8.3 | -4.1 | -1.9 | -0.7 | 0.0 | 0.2 | 0.2 | 0.3 | 0.5 | 1.9 | -4.9 | -10.0 |
| Critical | -20.1 | -10.8 | -8.4 | -5.3 | -0.3 | 0.7 | 0.6 | 0.7 | 2.4 | 6.1 | -23.5 | -38.8 |
| Dry | -9.7 | -4.1 | -0.1 | 1.2 | 0.2 | 0.3 | 0.4 | 0.6 | 0.4 | 2.9 | -0.2 | -11.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -9.9 | -4.1 | -0.7 | 0.8 | 0.4 | -0.1 | -0.4 | 0.1 | -0.3 | 0.5 | 0.1 | -0.4 |
| Wet | -1.9 | -1.1 | -0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-67. San Joaquin River location RSN032 (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 2.8 | -11.6 | -10.9 |
| 1977 | -6.3 | -3.1 | -2.3 | -1.9 | -1.0 | -0.3 | 0.0 | 0.1 | 1.0 | -6.3 | -5.6 | -7.2 |
| 1978 | -5.3 | -2.4 | -1.3 | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.2 | 0.7 | 0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -1.1 | 2.4 | -0.3 |
| 1982 | -3.0 | -2.0 | 0.0 | 0.1 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.3 | 2.6 | -4.4 | -7.6 |
| 1988 | -5.1 | -3.1 | -1.5 | 0.2 | 0.1 | 0.5 | 0.5 | 0.5 | 0.5 | 4.5 | -3.5 | -9.3 |
| 1989 | -5.7 | -3.4 | -0.3 | 0.9 | 0.0 | 0.6 | 0.5 | 0.4 | 0.1 | -0.3 | 0.7 | -1.2 |
| 1990 | -2.1 | -1.6 | -1.3 | -0.7 | 0.4 | 0.7 | 0.5 | 0.3 | 1.0 | 5.5 | -2.7 | -8.5 |
| 1991 | -5.6 | -2.8 | -2.0 | -1.5 | -0.3 | 0.4 | 0.3 | 0.5 | 1.5 | 4.1 | -2.4 | -7.1 |
| 1992 | -4.7 | -2.4 | -1.7 | -2.0 | -0.1 | 0.3 | 0.2 | 0.4 | 0.3 | 4.1 | -3.1 | -7.2 |
| 1993 | -4.9 | -2.2 | -0.2 | 1.0 | 0.6 | 0.5 | 0.2 | 0.3 | -1.0 | -0.3 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.3 | 0.3 | 0.2 | 0.6 | -2.3 | -3.2 | 2.2 |
| 1995 | -1.3 | -1.2 | -0.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | 5.9 | 0.6 | -5.8 |
| 2002 | -4.4 | -1.1 | 0.7 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | -0.1 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 1.7 | -0.1 | -0.9 |
| | | | | | | | | | | | | |
| Average | -1.4 | -0.7 | -0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.6 | -1.0 | -1.9 |
| Critical | -3.4 | -1.9 | -1.3 | -0.8 | -0.1 | 0.3 | 0.3 | 0.3 | 0.8 | 1.8 | -4.6 | -6.8 |
| Dry | -1.7 | -0.7 | 0.0 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 1.2 | -0.2 | -2.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.7 | -0.8 | -0.1 | 0.3 | 0.2 | -0.1 | -0.2 | 0.1 | -0.1 | 0.2 | 0.0 | -0.1 |
| Wet | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-68. Sacramento River location RSAC081 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|-------|------|------|-------|-------|--------|--------|--------|
| 1970 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -79.3 | -52.1 | -258.5 | -423.9 | -357.4 |
| 1977 | -186.1 | -77.2 | -41.7 | -13.5 | -8.2 | -2.9 | 0.0 | -70.1 | -38.1 | -323.9 | -407.7 | -278.6 |
| 1978 | -155.8 | -67.6 | -27.5 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 18.2 | -141.2 | 6.3 |
| 1982 | 26.5 | -29.4 | -0.1 | 0.0 | -0.4 | -0.3 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 20.1 | -129.8 | -404.6 | -363.5 |
| 1988 | -172.8 | -70.2 | -18.9 | -1.2 | -0.1 | 0.0 | 0.0 | 7.0 | 29.2 | -303.5 | -372.1 | -265.1 |
| 1989 | -153.9 | -59.7 | -28.6 | -11.9 | -10.7 | 2.0 | 7.0 | 12.0 | 4.6 | -18.5 | -50.9 | -12.1 |
| 1990 | -1.4 | -1.8 | -1.6 | -1.8 | 38.9 | 38.6 | 14.8 | -54.0 | -26.8 | -402.9 | -454.0 | -307.3 |
| 1991 | -175.4 | -76.9 | -39.9 | -18.2 | -7.0 | -0.5 | 0.1 | -45.4 | -21.8 | -336.5 | -369.3 | -251.1 |
| 1992 | -143.6 | -60.8 | -36.0 | -18.6 | 0.6 | 0.2 | 0.2 | 6.7 | 34.5 | -365.1 | -409.6 | -263.6 |
| 1993 | -139.0 | -57.8 | -33.8 | 1.6 | 0.6 | 0.3 | 0.0 | 0.4 | 6.9 | 18.4 | 7.7 | 1.9 |
| 1994 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -11.9 | -44.8 | -71.3 | -366.8 | -263.3 |
| 1995 | -93.6 | -36.7 | -19.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 2.1 | 1.1 |
| 1996 | 0.8 | 0.1 | -0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 27.8 | -315.8 | -364.0 | -265.2 |
| 2002 | -149.1 | -47.4 | -16.4 | -0.2 | 7.8 | 5.8 | 10.8 | 7.0 | 2.9 | 1.4 | 0.6 | 0.3 |
| 2003 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | -8.7 | 16.9 | 7.3 |
| | | | | | | | | | | | | |
| Average | -39.5 | -17.2 | -7.8 | -1.9 | 0.6 | 1.3 | 1.0 | -6.4 | -1.7 | -73.4 | -109.9 | -76.8 |
| Critical | -97.0 | -41.0 | -19.7 | -7.6 | 3.5 | 5.0 | 2.3 | -35.3 | -17.1 | -294.5 | -400.5 | -283.8 |
| Dry | -50.5 | -17.9 | -7.5 | -2.0 | -0.5 | 1.3 | 3.0 | 4.8 | 9.2 | -74.1 | -160.0 | -105.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -49.1 | -20.9 | -10.2 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 1.3 | 1.6 | 4.1 | 1.5 |
| Wet | -5.1 | -5.1 | -1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |

Table 1-69. Sacramento River location RSAC081 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -0.7 | -3.9 | -5.5 | -3.7 |
| 1977 | -1.7 | -0.7 | -0.4 | -0.3 | -0.3 | -0.1 | 0.0 | -1.3 | -0.5 | -3.7 | -4.3 | -2.6 |
| 1978 | -1.5 | -0.6 | -0.5 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | -2.3 | 0.1 |
| 1982 | 0.3 | -2.2 | -0.1 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | -2.6 | -5.7 | -4.2 |
| 1988 | -1.8 | -0.7 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | -5.0 | -4.7 | -2.8 |
| 1989 | -1.4 | -0.6 | -0.3 | -0.2 | -0.3 | 0.5 | 2.7 | 1.4 | 0.2 | -0.4 | -0.9 | -0.2 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.1 | 3.2 | 2.3 | 0.7 | -1.7 | -0.5 | -5.4 | -5.5 | -3.2 |
| 1991 | -1.6 | -0.7 | -0.4 | -0.2 | -0.2 | -0.1 | 0.0 | -1.5 | -0.4 | -4.5 | -4.6 | -2.6 |
| 1992 | -1.3 | -0.6 | -0.3 | -0.3 | 0.1 | 0.1 | 0.0 | 0.2 | 0.9 | -5.9 | -4.9 | -2.8 |
| 1993 | -1.4 | -0.6 | -0.5 | 0.4 | 0.3 | 0.1 | 0.0 | 0.2 | 2.7 | 1.4 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.9 | -1.1 | -5.0 | -3.0 |
| 1995 | -1.2 | -0.4 | -0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 |
| 1996 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | -6.5 | -5.4 | -3.1 |
| 2002 | -1.6 | -0.6 | -1.5 | -0.1 | 2.2 | 1.3 | 2.5 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | 0.4 | 0.3 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -0.1 | 0.1 | -1.1 | -1.4 | -0.8 |
| Critical | -0.9 | -0.4 | -0.2 | -0.2 | 0.4 | 0.3 | 0.1 | -0.9 | -0.2 | -4.2 | -4.9 | -3.0 |
| Dry | -0.5 | -0.2 | -0.3 | -0.1 | 0.3 | 0.3 | 0.9 | 0.5 | 0.3 | -1.5 | -2.4 | -1.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.2 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.2 | 0.1 | 0.1 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-70. Sacramento River location RSAC092 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|------|------|------|-----|-------|-------|--------|--------|--------|
| 1970 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -34.2 | -19.3 | -106.9 | -273.6 | -237.9 |
| 1977 | -100.3 | -33.0 | -15.5 | -3.0 | -1.4 | -0.6 | 0.0 | -32.8 | -14.5 | -277.5 | -242.4 | -205.6 |
| 1978 | -85.2 | -29.7 | -5.8 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 12.5 | -88.3 | 44.5 |
| 1982 | 10.4 | -4.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 5.9 | -57.6 | -252.5 | -201.0 |
| 1988 | -76.9 | -27.5 | -3.7 | -0.2 | 0.0 | 0.0 | 0.0 | 1.9 | 9.4 | -164.8 | -213.5 | -175.1 |
| 1989 | -84.8 | -21.3 | -8.9 | -2.6 | -2.3 | 0.3 | 0.5 | 0.8 | 0.8 | -4.5 | -22.0 | -0.8 |
| 1990 | -0.8 | -0.7 | -0.7 | -0.7 | 3.6 | 5.0 | 2.3 | -15.6 | -4.5 | -216.0 | -235.9 | -195.3 |
| 1991 | -95.3 | -37.3 | -17.4 | -5.9 | -1.4 | -0.1 | 0.0 | -13.8 | -2.7 | -189.3 | -192.0 | -166.7 |
| 1992 | -76.5 | -27.6 | -15.4 | -3.9 | 0.1 | 0.0 | 0.0 | 2.2 | 10.8 | -192.1 | -223.8 | -157.6 |
| 1993 | -63.5 | -22.6 | -9.1 | 0.5 | 0.4 | 0.1 | 0.0 | 0.1 | -0.1 | 1.2 | 1.7 | 0.4 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -19.1 | -17.4 | -235.7 | -114.0 |
| 1995 | -35.4 | -11.1 | -5.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 7.0 | -125.3 | -162.8 | -153.7 |
| 2002 | -64.2 | -14.7 | -2.7 | 0.0 | 0.5 | 0.3 | 0.6 | 0.4 | 0.6 | 0.3 | 0.2 | 0.1 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -1.3 | 8.7 | 0.5 |
| | | | | | | | | | | | | |
| Average | -19.8 | -6.7 | -2.5 | -0.5 | 0.0 | 0.1 | 0.1 | -2.7 | -0.7 | -39.4 | -62.7 | -45.9 |
| Critical | -49.9 | -18.0 | -7.5 | -2.0 | 0.1 | 0.6 | 0.4 | -13.5 | -5.7 | -166.3 | -231.0 | -178.9 |
| Dry | -24.8 | -6.0 | -1.9 | -0.4 | -0.3 | 0.1 | 0.2 | 0.6 | 2.4 | -29.1 | -87.6 | -51.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -24.8 | -8.7 | -2.5 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.1 |
| Wet | -1.9 | -1.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-71. Sacramento River location RSAC092 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.2 | -0.9 | -7.4 | -11.1 | -7.1 |
| 1977 | -2.5 | -1.0 | -0.5 | -0.3 | -0.2 | -0.1 | 0.0 | -2.4 | -0.6 | -10.0 | -8.2 | -5.0 |
| 1978 | -2.3 | -0.9 | -0.6 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | -6.2 | 2.1 |
| 1982 | 0.4 | -1.2 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.9 | -5.6 | -12.3 | -7.6 |
| 1988 | -2.5 | -1.0 | -0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | -11.5 | -8.5 | -5.5 |
| 1989 | -2.0 | -0.9 | -0.4 | -0.2 | -0.3 | 0.1 | 0.3 | 0.4 | 0.1 | -0.5 | -1.9 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.1 | 1.3 | 1.6 | 0.6 | -2.6 | -0.3 | -11.7 | -9.3 | -6.0 |
| 1991 | -2.4 | -0.9 | -0.5 | -0.3 | -0.2 | 0.0 | 0.0 | -2.2 | -0.2 | -10.0 | -7.9 | -5.0 |
| 1992 | -2.0 | -0.8 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.4 | 1.4 | -13.0 | -8.5 | -5.1 |
| 1993 | -2.0 | -0.8 | -0.6 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | -0.1 | 0.5 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.6 | -1.4 | -11.9 | -4.6 |
| 1995 | -1.5 | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | -12.9 | -8.9 | -5.8 |
| 2002 | -2.3 | -0.7 | -0.9 | 0.0 | 0.2 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | 1.2 | 0.1 |
| | | | | | | | | | | | | |
| Average | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | -0.3 | 0.0 | -2.4 | -2.7 | -1.4 |
| Critical | -1.3 | -0.5 | -0.3 | -0.2 | 0.1 | 0.2 | 0.1 | -1.5 | -0.1 | -9.3 | -9.3 | -5.4 |
| Dry | -0.7 | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | -2.9 | -4.9 | -1.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.3 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| Wet | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-72. Sacramento River location RSAC101 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|-----|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.7 | -2.1 | -7.8 | -39.6 | -35.1 |
| 1977 | -13.8 | -4.5 | -2.1 | -0.4 | -0.1 | -0.1 | 0.0 | -3.6 | -2.0 | -46.6 | -26.3 | -35.0 |
| 1978 | -12.2 | -4.5 | -0.6 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -7.0 | 7.1 |
| 1982 | -1.6 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | -3.0 | -32.0 | -23.1 |
| 1988 | -8.9 | -3.7 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | -13.0 | -26.3 | -28.9 |
| 1989 | -13.4 | -2.8 | -1.3 | -0.3 | -0.3 | 0.1 | 0.2 | 0.0 | 0.0 | -0.6 | -1.8 | 0.3 |
| 1990 | -0.3 | -0.1 | -0.1 | 0.0 | 0.4 | 0.4 | 0.2 | -1.1 | 0.2 | -19.0 | -24.4 | -28.5 |
| 1991 | -14.0 | -6.5 | -3.0 | -0.8 | -0.2 | 0.0 | 0.0 | -1.1 | 0.0 | -16.2 | -20.4 | -26.1 |
| 1992 | -11.1 | -4.5 | -2.4 | -0.5 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | -16.0 | -24.8 | -19.8 |
| 1993 | -7.2 | -3.0 | -0.9 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -2.3 | -2.7 | -27.9 | -4.9 |
| 1995 | -2.6 | -0.9 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | -6.7 | -12.8 | -16.4 |
| 2002 | -5.8 | -1.7 | -0.4 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | -0.3 |
| Average | -2.7 | -1.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | -3.9 | -7.1 | -6.2 |
| Critical | -6.9 | -2.7 | -1.1 | -0.3 | 0.0 | 0.0 | 0.0 | -1.3 | -0.7 | -17.3 | -27.1 | -25.5 |
| Dry | -3.2 | -0.8 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | -1.8 | -8.9 | -5.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -3.2 | -1.2 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| Wet | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-73. Sacramento River location RSAC101 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|-----|------|------|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.6 | -2.6 | -9.3 | -7.0 |
| 1977 | -2.4 | -1.0 | -0.5 | -0.1 | -0.1 | 0.0 | 0.0 | -1.3 | -0.5 | -10.5 | -6.0 | -5.4 |
| 1978 | -2.3 | -0.9 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -2.3 | 1.9 |
| 1982 | -0.4 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -1.3 | -9.1 | -5.6 |
| 1988 | -1.9 | -0.9 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | -4.7 | -6.3 | -5.7 |
| 1989 | -2.0 | -0.7 | -0.3 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.7 | 0.1 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.6 | 0.1 | -5.8 | -5.6 | -5.6 |
| 1991 | -2.2 | -1.0 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | -0.5 | 0.0 | -4.8 | -4.9 | -5.0 |
| 1992 | -1.9 | -0.8 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | -5.6 | -5.9 | -4.2 |
| 1993 | -1.5 | -0.7 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.9 | -1.0 | -7.6 | -1.2 |
| 1995 | -0.7 | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -2.9 | -4.0 | -4.2 |
| 2002 | -1.4 | -0.5 | -0.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.1 |
| Average | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -1.2 | -1.8 | -1.2 |
| Critical | -1.2 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.6 | -0.2 | -5.0 | -6.5 | -4.9 |
| Dry | -0.6 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -2.7 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-74. San Joaquin River location RSAN007 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|------|------|------|-------|-------|--------|--------|--------|
| 1970 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -53.9 | -37.5 | -168.8 | -242.4 | -246.4 |
| 1977 | -151.8 | -63.3 | -34.1 | -11.5 | -4.9 | -2.0 | -0.1 | -48.6 | -28.5 | -116.3 | -288.1 | -187.2 |
| 1978 | -117.6 | -53.3 | -22.0 | -0.5 | 0.3 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -5.2 | -59.9 | -21.4 |
| 1982 | 18.4 | -12.3 | -0.8 | 0.1 | -1.8 | -1.2 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 13.8 | -49.2 | -191.8 | -254.7 |
| 1988 | -138.1 | -55.2 | -15.2 | -1.3 | -0.1 | 0.0 | 0.0 | 4.1 | 19.6 | -143.5 | -228.3 | -170.0 |
| 1989 | -126.3 | -48.5 | -22.9 | -9.1 | -6.7 | 0.7 | 1.7 | 4.8 | 2.6 | -15.7 | -32.2 | -11.9 |
| 1990 | -1.4 | -1.5 | -1.3 | -1.3 | 18.2 | 22.4 | 9.1 | -31.2 | -14.4 | -237.5 | -318.8 | -213.4 |
| 1991 | -142.7 | -63.6 | -32.3 | -13.1 | -4.6 | -0.6 | 0.0 | -27.7 | -14.2 | -197.7 | -248.8 | -169.3 |
| 1992 | -116.1 | -49.2 | -29.0 | -14.4 | -0.6 | 0.1 | 0.1 | 4.4 | 25.2 | -195.8 | -283.0 | -182.4 |
| 1993 | -103.4 | -43.0 | -27.3 | 0.2 | 0.7 | 0.4 | 0.1 | 0.2 | 1.0 | 9.4 | 5.8 | 1.9 |
| 1994 | 0.5 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -6.1 | -32.0 | -67.7 | -190.3 | -195.8 |
| 1995 | -66.5 | -26.2 | -15.8 | -0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 1.1 | 0.8 |
| 1996 | 0.3 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 18.7 | -155.8 | -219.4 | -169.7 |
| 2002 | -114.8 | -37.4 | -10.9 | -0.5 | 2.6 | 2.5 | 2.9 | 2.3 | 1.6 | 1.1 | 0.5 | 0.3 |
| 2003 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -0.9 | 6.6 | 1.6 |
| | | | | | | | | | | | | |
| Average | -31.2 | -13.3 | -6.2 | -1.5 | 0.1 | 0.7 | 0.4 | -4.3 | -1.3 | -39.5 | -67.3 | -53.5 |
| Critical | -78.5 | -33.2 | -16.0 | -5.9 | 1.1 | 2.8 | 1.3 | -22.7 | -11.7 | -161.1 | -257.1 | -194.9 |
| Dry | -40.2 | -14.3 | -5.6 | -1.6 | -0.7 | 0.5 | 0.8 | 2.1 | 6.1 | -37.5 | -83.8 | -76.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -36.8 | -16.0 | -8.2 | -0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.3 | 1.4 | 2.1 | 0.6 |
| Wet | -3.7 | -3.0 | -1.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |

Table 1-75. San Joaquin River location RSAN007 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -0.9 | -3.6 | -4.8 | -3.8 |
| 1977 | -2.0 | -0.9 | -0.5 | -0.3 | -0.3 | -0.1 | 0.0 | -1.5 | -0.6 | -2.1 | -4.3 | -2.5 |
| 1978 | -1.7 | -0.8 | -0.6 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.4 | -0.4 |
| 1982 | 0.3 | -0.8 | -0.3 | 0.0 | -0.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | -1.6 | -4.3 | -4.4 |
| 1988 | -2.1 | -0.9 | -0.6 | -0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 1.1 | -3.8 | -4.5 | -2.7 |
| 1989 | -1.6 | -0.8 | -0.4 | -0.2 | -0.3 | 0.2 | 0.8 | 1.2 | 0.2 | -0.5 | -0.8 | -0.3 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.1 | 2.7 | 2.6 | 0.9 | -2.0 | -0.4 | -4.6 | -5.7 | -3.2 |
| 1991 | -1.9 | -0.8 | -0.4 | -0.3 | -0.2 | -0.1 | 0.0 | -1.8 | -0.4 | -3.7 | -4.5 | -2.6 |
| 1992 | -1.6 | -0.7 | -0.4 | -0.3 | -0.1 | 0.0 | 0.0 | 0.3 | 1.1 | -5.0 | -4.9 | -2.8 |
| 1993 | -1.7 | -0.7 | -0.6 | 0.0 | 0.3 | 0.2 | 0.0 | 0.1 | 0.5 | 1.3 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.2 | -1.5 | -3.7 | -3.1 |
| 1995 | -1.4 | -0.5 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 |
| 1996 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | -5.2 | -5.2 | -2.9 |
| 2002 | -1.8 | -0.7 | -1.0 | -0.2 | 1.0 | 0.9 | 1.1 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.3 | 0.1 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.2 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | -0.2 | 0.0 | -0.9 | -1.3 | -0.8 |
| Critical | -1.1 | -0.5 | -0.3 | -0.2 | 0.3 | 0.3 | 0.1 | -1.1 | -0.2 | -3.5 | -4.6 | -3.0 |
| Dry | -0.6 | -0.2 | -0.2 | -0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | -1.2 | -2.0 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.2 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-76. San Joaquin River location RSAN018 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -13.0 | -12.4 | 33.3 | -16.0 | -61.1 |
| 1977 | -62.6 | -29.2 | -17.0 | -7.2 | -1.8 | -0.7 | -0.2 | -12.7 | -11.9 | 43.3 | -39.6 | -38.7 |
| 1978 | -44.9 | -23.3 | -11.6 | -0.2 | 0.5 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -47.0 | 67.7 | -30.5 |
| 1982 | -14.8 | -11.9 | -0.8 | 0.1 | -2.1 | -1.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | -0.1 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.6 | 40.7 | 31.0 | -46.0 |
| 1988 | -49.2 | -23.5 | -9.1 | -1.1 | -0.1 | 0.0 | 0.0 | 0.7 | 3.7 | 62.7 | -15.5 | -32.3 |
| 1989 | -51.1 | -23.4 | -12.2 | -5.3 | -2.1 | 0.3 | 0.5 | 0.6 | 0.6 | -10.2 | 5.9 | -3.6 |
| 1990 | -2.3 | -0.8 | -0.6 | -0.6 | 3.1 | 5.5 | 2.4 | -4.7 | -2.1 | 68.0 | -36.7 | -40.8 |
| 1991 | -54.9 | -30.0 | -15.8 | -5.8 | -1.9 | -0.3 | 0.0 | -5.1 | -3.7 | 61.1 | -25.1 | -32.5 |
| 1992 | -45.3 | -22.6 | -13.2 | -6.4 | -0.5 | 0.0 | 0.0 | 0.9 | 6.7 | 46.2 | -38.7 | -35.6 |
| 1993 | -32.4 | -15.9 | -13.0 | 0.2 | 1.1 | 0.4 | 0.1 | 0.2 | -0.9 | 1.4 | 3.0 | 1.3 |
| 1994 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -8.2 | -63.4 | 55.2 | -0.3 |
| 1995 | -15.3 | -8.3 | -8.3 | -0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.3 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.7 | 51.5 | 0.0 | -15.0 |
| 2002 | -34.2 | -17.0 | -7.3 | -0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.3 | 0.2 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 8.5 | -10.0 | -10.6 |
| | | | | | | | | | | | | |
| Average | -12.0 | -6.0 | -3.2 | -0.8 | -0.1 | 0.1 | 0.1 | -0.9 | -0.6 | 8.7 | -0.6 | -10.2 |
| Critical | -30.6 | -15.1 | -8.0 | -3.0 | -0.2 | 0.6 | 0.3 | -5.0 | -4.0 | 35.9 | -16.6 | -34.5 |
| Dry | -14.2 | -6.7 | -3.3 | -1.0 | -0.3 | 0.1 | 0.1 | 0.3 | 1.4 | 5.9 | 17.5 | -15.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -12.9 | -6.5 | -4.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | -0.1 | 1.7 | -1.2 | -1.5 |
| Wet | -2.3 | -1.6 | -0.7 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-77. San Joaquin River location RSAN018 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -1.3 | 1.5 | -0.9 | -2.9 |
| 1977 | -2.6 | -1.4 | -0.6 | -0.4 | -0.3 | -0.2 | 0.0 | -1.7 | -0.9 | 2.7 | -1.6 | -1.4 |
| 1978 | -2.2 | -1.1 | -0.7 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.6 | 3.8 | -1.2 |
| 1982 | -0.5 | -0.8 | -0.3 | 0.0 | -1.0 | -0.5 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | 4.1 | 2.5 | -2.5 |
| 1988 | -2.4 | -1.2 | -0.7 | -0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 5.4 | -1.0 | -1.7 |
| 1989 | -2.0 | -1.1 | -0.5 | -0.3 | -0.3 | 0.1 | 0.2 | 0.3 | 0.1 | -0.7 | 0.3 | -0.2 |
| 1990 | -0.1 | 0.0 | 0.0 | -0.1 | 0.8 | 1.6 | 0.7 | -1.3 | -0.3 | 3.3 | -1.8 | -1.8 |
| 1991 | -2.3 | -1.2 | -0.6 | -0.4 | -0.2 | -0.1 | 0.0 | -1.3 | -0.4 | 2.8 | -1.3 | -1.5 |
| 1992 | -1.9 | -1.0 | -0.6 | -0.3 | -0.1 | 0.0 | 0.0 | 0.2 | 1.2 | 3.6 | -2.0 | -1.6 |
| 1993 | -1.8 | -0.9 | -0.7 | 0.1 | 0.4 | 0.2 | 0.0 | 0.1 | -0.4 | 0.5 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.5 | -2.8 | 2.5 | 0.0 |
| 1995 | -1.0 | -0.5 | -0.4 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 5.4 | 0.0 | -0.8 |
| 2002 | -1.8 | -0.9 | -1.0 | -0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | -0.9 | -1.1 |
| Average | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.0 | -0.5 |
| Critical | -1.3 | -0.7 | -0.4 | -0.2 | 0.0 | 0.2 | 0.1 | -0.9 | -0.3 | 2.3 | -0.9 | -1.6 |
| Dry | -0.6 | -0.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.9 | 1.1 | -0.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-78. San Joaquin River location RSAN032 (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -2.7 | 15.8 | -24.8 | -31.1 |
| 1977 | -19.1 | -8.0 | -5.3 | -2.8 | -0.8 | -0.3 | -0.1 | -2.4 | -2.9 | -20.4 | -16.1 | -26.5 |
| 1978 | -17.1 | -7.2 | -3.9 | 0.4 | 0.7 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -11.9 | 6.7 | 10.0 |
| 1982 | -7.1 | -6.1 | 0.0 | 0.0 | -0.9 | -0.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 4.6 | -7.6 | -15.2 |
| 1988 | -10.0 | -5.7 | -3.1 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.5 | 7.4 | -4.0 | -19.7 |
| 1989 | -15.4 | -6.3 | -3.7 | -2.2 | -0.8 | 0.4 | 0.6 | 0.2 | 0.1 | -2.2 | 1.1 | 1.6 |
| 1990 | -0.8 | -0.3 | -0.2 | -0.2 | 0.7 | 0.9 | 0.6 | -0.4 | -0.4 | 14.7 | -3.5 | -21.5 |
| 1991 | -16.7 | -9.2 | -5.4 | -2.7 | -0.9 | -0.1 | 0.0 | -0.7 | -0.6 | 13.2 | -3.2 | -17.9 |
| 1992 | -13.7 | -6.9 | -4.5 | -2.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 5.2 | -7.6 | -16.3 |
| 1993 | -8.6 | -4.2 | -3.5 | 0.9 | 1.0 | 0.2 | 0.0 | 0.2 | -2.4 | -0.6 | 0.4 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.1 | -14.5 | -14.3 | 11.3 |
| 1995 | -1.2 | -1.3 | -2.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 7.5 | 1.8 | -9.3 |
| 2002 | -7.2 | -3.8 | -2.6 | 0.1 | 0.3 | 0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | -2.0 | -2.4 |
| | | | | | | | | | | | | |
| Average | -3.4 | -1.7 | -1.0 | -0.3 | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | 0.6 | -2.1 | -4.0 |
| Critical | -8.6 | -4.3 | -2.6 | -1.2 | -0.1 | 0.1 | 0.1 | -0.8 | -0.9 | 3.1 | -10.5 | -17.4 |
| Dry | -3.8 | -1.7 | -1.0 | -0.4 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.3 | 0.3 | -2.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -4.3 | -1.9 | -1.2 | 0.2 | 0.3 | 0.1 | 0.0 | 0.1 | -0.4 | 0.1 | -0.3 | -0.4 |
| Wet | -0.6 | -0.6 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-79. San Joaquin River location RSAN032 (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.8 | 3.4 | -4.7 | -5.8 |
| 1977 | -3.1 | -1.4 | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | -0.8 | -0.8 | -4.7 | -3.1 | -3.5 |
| 1978 | -2.7 | -1.3 | -0.7 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.7 | 1.6 | 1.9 |
| 1982 | -1.2 | -1.4 | 0.0 | 0.0 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.7 | -2.1 | -3.6 |
| 1988 | -2.0 | -1.2 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.6 | -0.9 | -3.9 |
| 1989 | -2.4 | -1.1 | -0.5 | -0.3 | -0.2 | 0.2 | 0.3 | 0.1 | 0.0 | -0.6 | 0.2 | 0.4 |
| 1990 | -0.2 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | -0.2 | -0.1 | 3.4 | -0.6 | -3.8 |
| 1991 | -2.5 | -1.3 | -0.7 | -0.4 | -0.2 | 0.0 | 0.0 | -0.3 | -0.2 | 2.8 | -0.6 | -3.3 |
| 1992 | -2.2 | -1.1 | -0.6 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.7 | -1.6 | -3.0 |
| 1993 | -1.7 | -0.9 | -0.6 | 0.3 | 0.4 | 0.1 | 0.0 | 0.1 | -1.1 | -0.3 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -3.1 | -2.6 | 2.1 |
| 1995 | -0.3 | -0.3 | -0.4 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.9 | 0.5 | -2.2 |
| 2002 | -1.5 | -0.8 | -0.8 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -0.7 | -0.9 |
| | | | | | | | | | | | | |
| Average | -0.6 | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.2 | -0.4 | -0.8 |
| Critical | -1.4 | -0.7 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | 0.9 | -2.0 | -3.0 |
| Dry | -0.6 | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.4 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 | -0.1 | -0.1 |
| Wet | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-80. Sacramento River location RSAC081 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|------|------|------|------|------|--------|--------|--------|
| 1970 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.1 | -0.8 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -1.2 | 41.2 | -270.2 | -549.6 | -503.1 |
| 1977 | -258.7 | -97.6 | -45.3 | -10.5 | -9.7 | -2.8 | -0.9 | 15.4 | 30.9 | -272.4 | -394.9 | -297.8 |
| 1978 | -168.5 | -63.0 | 12.1 | 2.3 | 0.5 | 0.2 | 0.2 | 0.6 | 4.6 | 5.6 | 2.1 | 0.5 |
| 1979 | 0.2 | 0.1 | -0.7 | 7.3 | 0.8 | 0.5 | 1.6 | 1.9 | 2.1 | 0.8 | 0.4 | 0.0 |
| 1980 | 1.5 | 18.9 | 35.0 | 1.5 | -0.3 | 0.1 | 0.3 | 0.9 | 0.8 | 0.2 | 0.1 | 0.0 |
| 1981 | -0.1 | 0.5 | -0.8 | 5.1 | 0.9 | 0.6 | 1.9 | 6.3 | 6.9 | -55.8 | -381.4 | -278.8 |
| 1982 | -107.3 | -22.2 | -0.1 | 0.1 | -0.3 | -0.3 | 0.0 | 0.0 | 0.6 | 1.3 | 0.7 | -0.1 |
| 1983 | 8.9 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.3 | 0.8 |
| 1984 | 4.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.4 | 2.1 | 0.5 | 0.1 | 0.0 |
| 1985 | -0.3 | 5.3 | 4.3 | 7.2 | 5.3 | 1.5 | 1.5 | 3.5 | 3.1 | 1.6 | 1.7 | 1.6 |
| 1986 | 1.2 | 1.0 | 10.7 | 2.6 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.1 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.3 | 3.7 | 1.8 | 0.4 | 0.8 | 1.6 | 11.7 | -245.0 | -621.5 | -542.1 |
| 1988 | -249.9 | -99.9 | 38.0 | 12.0 | 2.8 | 3.0 | 27.9 | 20.2 | 23.4 | -441.2 | -534.6 | -390.8 |
| 1989 | -217.2 | -71.7 | 75.4 | 74.0 | 12.8 | 4.8 | 10.0 | 17.5 | 10.3 | -32.3 | -239.6 | -169.7 |
| 1990 | -64.2 | -25.7 | -10.9 | 21.6 | 63.3 | 82.3 | 36.1 | 36.5 | 52.1 | -434.1 | -534.6 | -403.0 |
| 1991 | -227.6 | -89.6 | -38.7 | -11.2 | 44.7 | 14.4 | 20.0 | 68.5 | 80.5 | -294.3 | -379.8 | -290.7 |
| 1992 | -160.1 | -59.8 | -25.3 | -12.1 | 9.8 | 9.0 | 33.4 | 38.3 | 31.3 | -419.7 | -541.1 | -389.4 |
| 1993 | -205.3 | -72.5 | 101.8 | 12.2 | 0.9 | 1.4 | 0.3 | 1.6 | 10.8 | 26.0 | 11.0 | 2.7 |
| 1994 | 1.2 | 0.7 | -0.7 | 45.1 | 23.2 | 30.8 | 32.4 | 34.3 | 58.0 | -63.1 | -405.7 | -338.4 |
| 1995 | -143.9 | -50.2 | 33.4 | 4.1 | 0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 1.3 | 19.6 | 9.9 |
| 1996 | 1.8 | 0.0 | 13.7 | 1.1 | 0.0 | 0.0 | 0.0 | 0.1 | 5.4 | 7.8 | 2.7 | 0.3 |
| 1997 | 0.0 | -1.3 | 0.1 | 0.0 | 0.0 | 0.5 | 1.7 | 4.9 | 5.3 | 1.9 | 0.1 | 0.6 |
| 1998 | 0.4 | 0.1 | 9.9 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.3 | 3.8 |
| 1999 | 2.7 | 4.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 4.9 | 3.7 | 1.3 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.1 | 9.5 | 0.1 | 0.0 | 0.3 | 1.1 | 2.4 | 1.1 | 0.2 | 0.0 |
| 2001 | 0.0 | -0.1 | 1.6 | 10.4 | 1.7 | 0.4 | 2.3 | 23.4 | 38.6 | -415.8 | -479.6 | -379.4 |
| 2002 | -210.7 | 37.4 | 22.3 | 0.7 | 14.2 | 15.4 | 18.6 | 19.8 | 18.1 | 7.0 | 6.2 | 5.7 |
| 2003 | 1.1 | -1.0 | 6.9 | 0.1 | 0.5 | 2.2 | 0.7 | 0.1 | 29.3 | -14.5 | -44.6 | -34.1 |
| | | | | | | | | | | | | |
| Average | -58.6 | -17.2 | 7.2 | 5.5 | 5.1 | 4.8 | 5.5 | 8.8 | 14.0 | -85.3 | -148.7 | -117.4 |
| Critical | -137.0 | -53.2 | -11.8 | 6.4 | 19.2 | 19.5 | 21.4 | 30.3 | 45.4 | -313.6 | -477.2 | -373.3 |
| Dry | -71.4 | -4.8 | 17.2 | 16.9 | 6.1 | 3.8 | 5.9 | 12.0 | 14.8 | -123.4 | -285.7 | -227.1 |
| BN | 0.1 | 0.0 | -0.3 | 3.6 | 0.4 | 0.2 | 0.8 | 1.0 | 1.1 | 0.4 | 0.2 | 0.0 |
| AN | -61.9 | -19.6 | 26.0 | 4.3 | 0.3 | 0.6 | -0.1 | 0.6 | 8.0 | 3.1 | -5.2 | -5.1 |
| Wet | -17.9 | -5.1 | 5.3 | 0.7 | 0.0 | 0.0 | 0.2 | 0.7 | 1.4 | 1.3 | 2.3 | 1.2 |

Table 1-81. Sacramento River location RSAC081 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.8 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -4.1 | -7.1 | -5.3 |
| 1977 | -2.3 | -0.9 | -0.4 | -0.2 | -0.3 | -0.1 | 0.0 | 0.3 | 0.4 | -3.1 | -4.2 | -2.8 |
| 1978 | -1.6 | -0.6 | 0.2 | 0.8 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.3 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 0.2 | 0.5 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 1.1 | 0.6 | -0.2 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.4 | 0.4 | 0.2 | -1.3 | -6.2 | -3.5 |
| 1982 | -1.1 | -1.7 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1983 | 1.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| 1984 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.8 | 0.6 | 0.5 | 0.5 | 0.2 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.3 | 0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.3 | -4.9 | -8.8 | -6.3 |
| 1988 | -2.5 | -1.0 | 1.0 | 2.8 | 0.5 | 0.1 | 1.1 | 0.7 | 0.6 | -7.3 | -6.7 | -4.2 |
| 1989 | -1.9 | -0.8 | 0.9 | 1.4 | 0.3 | 1.3 | 3.9 | 2.1 | 0.3 | -0.7 | -4.3 | -2.9 |
| 1990 | -0.8 | -0.3 | -0.1 | 0.8 | 5.2 | 4.8 | 1.7 | 1.2 | 0.9 | -5.8 | -6.5 | -4.2 |
| 1991 | -2.1 | -0.8 | -0.4 | -0.2 | 1.0 | 2.5 | 2.7 | 2.3 | 1.3 | -3.9 | -4.7 | -3.0 |
| 1992 | -1.5 | -0.6 | -0.2 | -0.2 | 1.3 | 2.3 | 3.2 | 1.2 | 0.8 | -6.8 | -6.4 | -4.2 |
| 1993 | -2.1 | -0.8 | 1.5 | 3.1 | 0.4 | 0.7 | 0.2 | 0.8 | 4.2 | 2.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.2 | 2.8 | 2.6 | 2.1 | 1.7 | 1.2 | -1.0 | -5.6 | -3.9 |
| 1995 | -1.8 | -0.6 | 0.5 | 1.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 1.7 | 0.9 |
| 1996 | 0.2 | 0.0 | 1.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.4 | 0.1 | 0.0 |
| 1997 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.6 | 0.8 | 0.3 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.0 | 0.0 | 0.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.7 |
| 1999 | 0.2 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 1.3 | 1.3 | -8.6 | -7.1 | -4.5 |
| 2002 | -2.2 | 0.4 | 2.0 | 0.3 | 3.9 | 3.5 | 4.2 | 2.4 | 0.6 | 0.1 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.7 | 0.1 | 0.2 | 0.8 | 0.3 | 0.1 | 2.4 | -0.7 | -1.1 | -1.3 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.2 | 0.3 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | -1.3 | -1.9 | -1.3 |
| Critical | -1.3 | -0.5 | 0.0 | 0.6 | 1.5 | 1.8 | 1.5 | 1.0 | 0.8 | -4.6 | -5.9 | -3.9 |
| Dry | -0.7 | 0.1 | 0.6 | 0.5 | 1.0 | 0.9 | 1.5 | 1.1 | 0.5 | -2.5 | -4.4 | -2.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.2 | 0.6 | 0.9 | 0.1 | 0.2 | 0.0 | 0.2 | 1.3 | 0.3 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | 0.3 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-82. Sacramento River location RSAC092 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|------|------|------|------|------|------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | 23.4 | -113.4 | -357.1 | -331.2 |
| 1977 | -133.3 | -34.0 | -10.8 | -3.5 | -1.7 | 0.4 | 0.6 | 8.3 | 17.7 | -238.7 | -237.9 | -216.1 |
| 1978 | -88.7 | -18.1 | 2.1 | 0.5 | 0.3 | 0.1 | 0.1 | 0.1 | 0.4 | 0.6 | 0.5 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.2 | 0.9 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |
| 1980 | 1.5 | 4.7 | 5.5 | 0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | -0.2 | 0.5 | 0.1 | 0.0 | 0.1 | 1.0 | 2.0 | -14.8 | -182.2 | -97.8 |
| 1982 | -42.8 | -4.2 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1983 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.3 | 0.3 | 0.8 | 0.4 | 0.2 | 0.2 | 0.4 | 0.8 | 0.5 | 1.0 | 0.8 |
| 1986 | 1.0 | 0.8 | 1.5 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.2 | 0.7 | 0.2 | 0.0 | 0.5 | 1.4 | 4.5 | -102.4 | -364.1 | -289.0 |
| 1988 | -105.2 | -31.8 | 4.8 | 1.0 | 0.2 | 2.3 | 5.9 | 5.4 | 7.5 | -227.3 | -292.9 | -245.0 |
| 1989 | -104.3 | -14.4 | 38.0 | 23.8 | 5.6 | 0.7 | 0.8 | 1.5 | 3.4 | -10.9 | -89.9 | -50.9 |
| 1990 | -18.6 | -4.6 | 1.3 | 2.0 | 5.7 | 11.1 | 5.7 | 9.6 | 22.5 | -234.0 | -278.2 | -250.7 |
| 1991 | -116.1 | -28.3 | -6.9 | 2.8 | 11.5 | 1.9 | 2.4 | 18.8 | 38.1 | -169.9 | -200.9 | -186.8 |
| 1992 | -75.7 | -16.1 | 3.8 | 0.9 | 1.3 | 0.8 | 3.9 | 10.6 | 11.5 | -220.8 | -307.2 | -220.8 |
| 1993 | -102.1 | -17.8 | 33.6 | 1.9 | 0.6 | 0.6 | 0.1 | 0.3 | 0.0 | 1.8 | 2.5 | 0.6 |
| 1994 | 0.2 | 0.1 | -0.1 | 9.6 | 2.5 | 4.0 | 4.1 | 5.8 | 22.3 | -19.7 | -246.9 | -156.4 |
| 1995 | -53.1 | -7.6 | 8.4 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 1.0 |
| 1996 | 0.1 | 0.0 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.0 | 0.7 | 0.1 |
| 1997 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.8 | 0.2 | -0.1 | 0.1 |
| 1998 | 0.4 | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| 1999 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.4 | 0.3 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.9 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.6 | 1.5 | 0.1 | 0.0 | 0.2 | 4.6 | 9.9 | -160.9 | -207.7 | -213.6 |
| 2002 | -87.2 | 24.1 | 4.4 | 0.3 | 0.8 | 0.8 | 1.0 | 1.6 | 5.2 | 1.5 | 4.2 | 2.0 |
| 2003 | -0.1 | 0.9 | 1.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 4.7 | -1.3 | -10.3 | -6.9 |
| | | | | | | | | | | | | |
| Average | -27.2 | -4.3 | 2.6 | 1.4 | 0.8 | 0.7 | 0.7 | 2.1 | 5.2 | -44.3 | -81.3 | -66.5 |
| Critical | -64.1 | -16.4 | -1.1 | 1.8 | 2.8 | 2.9 | 3.2 | 8.3 | 20.4 | -174.8 | -274.4 | -229.6 |
| Dry | -31.9 | 1.7 | 7.2 | 4.6 | 1.2 | 0.3 | 0.5 | 1.8 | 4.3 | -47.8 | -139.8 | -108.1 |
| BN | 0.0 | 0.0 | -0.1 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| AN | -31.6 | -5.1 | 7.1 | 0.6 | 0.2 | 0.1 | -0.2 | 0.1 | 0.9 | 0.2 | -1.2 | -1.0 |
| Wet | -7.2 | -0.8 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.1 |

Table 1-83. Sacramento River location RSAC092 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | -7.9 | -14.5 | -9.9 |
| 1977 | -3.4 | -1.1 | -0.4 | -0.4 | -0.3 | 0.1 | 0.1 | 0.6 | 0.7 | -8.6 | -8.1 | -5.2 |
| 1978 | -2.4 | -0.5 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.1 | 0.4 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | -1.9 | -12.8 | -4.6 |
| 1982 | -1.5 | -1.2 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.3 | 0.7 | -9.9 | -17.8 | -10.9 |
| 1988 | -3.4 | -1.1 | 0.7 | 0.4 | 0.1 | 0.5 | 1.3 | 1.0 | 1.0 | -15.9 | -11.6 | -7.6 |
| 1989 | -2.5 | -0.6 | 1.9 | 2.3 | 0.7 | 0.4 | 0.4 | 0.7 | 0.6 | -1.2 | -7.7 | -3.9 |
| 1990 | -1.0 | -0.2 | 0.1 | 0.4 | 2.1 | 3.5 | 1.5 | 1.6 | 1.5 | -12.7 | -11.0 | -7.7 |
| 1991 | -3.0 | -0.7 | -0.2 | 0.2 | 1.4 | 0.8 | 1.0 | 3.1 | 2.5 | -9.0 | -8.2 | -5.6 |
| 1992 | -1.9 | -0.4 | 0.1 | 0.1 | 0.5 | 0.4 | 1.5 | 1.7 | 1.5 | -14.9 | -11.6 | -7.1 |
| 1993 | -3.2 | -0.6 | 2.4 | 0.8 | 0.3 | 0.3 | 0.1 | 0.2 | 0.0 | 0.7 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.3 | 1.0 | 1.5 | 1.4 | 1.6 | 1.9 | -1.6 | -12.5 | -6.3 |
| 1995 | -2.3 | -0.3 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 0.4 |
| 1996 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.1 | 1.2 | 1.9 | -16.5 | -11.4 | -8.1 |
| 2002 | -3.1 | 1.2 | 1.4 | 0.1 | 0.4 | 0.4 | 0.5 | 0.7 | 0.8 | 0.2 | 0.3 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | -0.4 | -1.4 | -1.4 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.1 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | -2.9 | -3.7 | -2.3 |
| Critical | -1.8 | -0.5 | 0.0 | 0.3 | 0.7 | 1.0 | 1.0 | 1.4 | 1.4 | -10.1 | -11.1 | -7.1 |
| Dry | -0.9 | 0.1 | 0.6 | 0.5 | 0.3 | 0.1 | 0.2 | 0.6 | 0.7 | -4.9 | -8.2 | -4.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.9 | -0.1 | 0.7 | 0.3 | 0.1 | 0.1 | -0.1 | 0.0 | 0.3 | 0.1 | -0.2 | -0.2 |
| Wet | -0.2 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-84. Sacramento River location RSAC101 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|------|------|-----|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | -8.3 | -52.2 | -49.0 |
| 1977 | -18.5 | -4.8 | -2.3 | -1.0 | -0.4 | -0.1 | 0.0 | 1.0 | 2.7 | -40.5 | -27.7 | -37.9 |
| 1978 | -12.7 | -2.3 | -0.3 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.1 | 0.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.5 | -14.7 | -6.9 |
| 1982 | -7.2 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.3 | -6.2 | -44.5 | -33.9 |
| 1988 | -13.0 | -4.6 | 0.1 | 0.2 | 0.0 | 0.5 | 0.4 | 0.5 | 0.7 | -18.4 | -36.0 | -40.3 |
| 1989 | -15.4 | -2.8 | 3.9 | 2.7 | 0.7 | 0.2 | 0.3 | 0.2 | 0.2 | -1.0 | -7.7 | -4.4 |
| 1990 | -3.0 | -1.8 | -0.8 | 0.0 | 0.6 | 0.8 | 0.4 | 0.8 | 3.0 | -21.0 | -30.7 | -38.0 |
| 1991 | -16.8 | -3.4 | -1.6 | 0.1 | 0.7 | 0.3 | 0.4 | 1.5 | 4.6 | -15.4 | -23.0 | -30.0 |
| 1992 | -10.5 | -1.8 | 1.2 | -0.9 | 0.4 | 0.3 | 0.4 | 0.7 | 0.8 | -18.4 | -35.7 | -28.6 |
| 1993 | -13.9 | -1.3 | 2.7 | 0.6 | 0.4 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.8 | 0.3 | 0.4 | 0.2 | 0.3 | 2.5 | -2.1 | -28.6 | -10.5 |
| 1995 | -4.4 | -0.6 | 0.5 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.4 | 0.7 | -8.6 | -16.0 | -24.2 |
| 2002 | -9.3 | 1.6 | 0.4 | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.5 | 0.1 | 0.4 | -0.1 |
| 2003 | -0.3 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | -0.8 | -0.7 |
| | | | | | | | | | | | | |
| Average | -3.7 | -0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.6 | -4.1 | -9.3 | -9.0 |
| Critical | -8.8 | -2.3 | -0.5 | -0.1 | 0.3 | 0.3 | 0.3 | 0.7 | 2.5 | -17.7 | -33.4 | -33.5 |
| Dry | -4.1 | -0.2 | 0.7 | 0.5 | 0.2 | 0.1 | 0.1 | 0.2 | 0.3 | -2.9 | -13.7 | -11.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -4.5 | -0.5 | 0.5 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.1 |
| Wet | -0.9 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-85. Sacramento River location RSAC101 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|-----|------|-----|-----|------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | -2.8 | -12.3 | -9.8 |
| 1977 | -3.2 | -1.0 | -0.5 | -0.4 | -0.2 | 0.0 | 0.0 | 0.4 | 0.7 | -9.1 | -6.3 | -5.9 |
| 1978 | -2.3 | -0.5 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | -4.9 | -1.9 |
| 1982 | -1.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | -2.6 | -12.6 | -8.3 |
| 1988 | -2.8 | -1.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.2 | 0.3 | 0.3 | -6.6 | -8.6 | -8.0 |
| 1989 | -2.3 | -0.7 | 1.0 | 1.0 | 0.3 | 0.1 | 0.2 | 0.1 | 0.1 | -0.4 | -2.7 | -1.5 |
| 1990 | -0.9 | -0.4 | -0.2 | 0.0 | 0.3 | 0.4 | 0.2 | 0.4 | 1.0 | -6.4 | -7.1 | -7.5 |
| 1991 | -2.7 | -0.5 | -0.3 | 0.0 | 0.3 | 0.2 | 0.2 | 0.7 | 1.6 | -4.5 | -5.5 | -5.7 |
| 1992 | -1.7 | -0.3 | 0.2 | -0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | -6.5 | -8.4 | -6.0 |
| 1993 | -2.9 | -0.3 | 0.9 | 0.3 | 0.2 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 | 1.0 | -0.8 | -7.8 | -2.7 |
| 1995 | -1.1 | -0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | -3.7 | -5.0 | -6.2 |
| 2002 | -2.3 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.1 | 0.0 |
| 2003 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.4 | -0.3 |
| Average | -0.7 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -1.3 | -2.4 | -1.9 |
| Critical | -1.6 | -0.5 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.3 | 0.8 | -5.2 | -8.0 | -6.5 |
| Dry | -0.8 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | -1.2 | -4.2 | -3.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.9 | -0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| Wet | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-86. San Joaquin River location RSAN007 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|------|------|------|------|--------|--------|--------|
| 1970 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -3.6 | -1.1 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -1.6 | 33.9 | -174.5 | -324.3 | -374.0 |
| 1977 | -237.7 | -101.4 | -52.2 | -20.1 | -13.4 | -9.1 | -5.7 | 7.9 | 26.7 | -108.7 | -296.1 | -229.1 |
| 1978 | -149.9 | -66.6 | -0.3 | 2.4 | 0.6 | 0.4 | 0.2 | 0.2 | 1.6 | 3.3 | 1.6 | 0.5 |
| 1979 | 0.1 | 0.0 | -0.6 | 3.2 | 0.5 | 0.3 | 0.3 | 0.5 | 0.9 | 0.5 | 0.3 | 0.0 |
| 1980 | 0.2 | 13.3 | 24.7 | 2.4 | -1.8 | 0.3 | 0.1 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 |
| 1981 | -0.1 | -0.3 | -0.7 | 2.0 | 0.4 | 0.2 | 0.5 | 2.8 | 2.6 | -41.6 | -225.1 | -248.5 |
| 1982 | -110.4 | -21.5 | -1.1 | 0.1 | -1.7 | -1.2 | 0.1 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 |
| 1983 | 3.8 | 0.7 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.1 | 0.3 | 0.2 |
| 1984 | 2.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 1.0 | 0.1 | 0.0 | 0.0 |
| 1985 | -0.2 | 2.3 | 2.3 | 3.8 | 2.8 | 0.6 | 0.5 | 1.4 | 1.3 | 0.8 | 0.4 | 0.8 |
| 1986 | -0.1 | -0.2 | 6.3 | 1.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.2 | -0.1 | 2.2 | 1.2 | 0.2 | 0.0 | -2.3 | 2.5 | -119.1 | -334.5 | -409.9 |
| 1988 | -227.3 | -98.8 | 12.6 | 6.3 | 1.0 | -1.6 | 13.7 | 8.0 | 13.1 | -230.3 | -363.6 | -291.7 |
| 1989 | -211.1 | -89.6 | 59.2 | 56.1 | -1.9 | 1.4 | 2.7 | 5.9 | 1.9 | -22.5 | -156.7 | -145.9 |
| 1990 | -66.2 | -36.3 | -24.6 | 6.6 | 30.3 | 45.9 | 22.4 | 21.2 | 39.5 | -264.1 | -392.9 | -311.1 |
| 1991 | -216.9 | -100.6 | -52.5 | -33.3 | 20.9 | 9.0 | 8.1 | 41.2 | 56.2 | -177.4 | -271.2 | -226.6 |
| 1992 | -160.4 | -72.7 | -46.3 | -32.2 | -2.4 | 3.1 | 14.1 | 17.1 | 11.3 | -229.0 | -378.0 | -309.6 |
| 1993 | -168.6 | -76.0 | 68.0 | 16.2 | 1.2 | 0.9 | 0.4 | 0.5 | 2.1 | 13.5 | 8.3 | 2.7 |
| 1994 | 0.8 | 0.5 | -0.5 | 28.4 | 15.4 | 15.2 | 17.1 | 17.7 | 39.7 | -46.6 | -230.3 | -259.4 |
| 1995 | -117.0 | -49.8 | 20.8 | 5.7 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 0.3 | 10.6 | 7.0 |
| 1996 | 0.8 | 0.0 | 6.2 | 0.8 | 0.1 | 0.0 | 0.0 | 0.1 | 1.9 | 5.3 | 2.1 | 0.4 |
| 1997 | 0.1 | -0.5 | 0.1 | -0.2 | -0.1 | 0.1 | 0.4 | 1.4 | 2.6 | 0.4 | -0.2 | 0.9 |
| 1998 | -0.3 | -1.2 | 5.9 | 1.7 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 1.8 | 1.6 |
| 1999 | 1.3 | 2.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.0 | 2.4 | 1.0 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.4 | 3.3 | 0.1 | 0.1 | 0.1 | 0.2 | 1.2 | 0.1 | 0.1 | 0.0 |
| 2001 | 0.0 | -0.1 | 0.4 | 4.7 | 0.8 | 0.1 | 0.7 | 11.4 | 20.0 | -208.0 | -304.9 | -273.7 |
| 2002 | -189.8 | 24.8 | 22.0 | 0.9 | 4.8 | 5.9 | 5.2 | 6.8 | 8.3 | 4.6 | 1.4 | 2.2 |
| 2003 | -0.4 | -4.5 | 3.1 | 0.3 | 0.1 | 0.6 | 0.2 | 0.1 | 16.2 | 4.9 | -33.3 | -27.4 |
| | | | | | | | | | | | | |
| Average | -54.3 | -19.9 | 1.5 | 1.9 | 1.8 | 2.1 | 2.3 | 4.1 | 8.4 | -46.6 | -96.5 | -90.9 |
| Critical | -129.7 | -58.5 | -23.4 | -6.3 | 7.4 | 8.9 | 10.0 | 15.9 | 31.5 | -175.8 | -322.3 | -285.9 |
| Dry | -66.9 | -10.5 | 13.9 | 11.6 | 1.3 | 1.4 | 1.6 | 4.3 | 6.1 | -64.3 | -169.9 | -179.2 |
| BN | 0.1 | 0.0 | -0.3 | 1.6 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | 0.3 | 0.1 | 0.0 |
| AN | -53.1 | -22.3 | 15.8 | 4.1 | 0.1 | 0.1 | -0.4 | 0.0 | 3.5 | 3.7 | -3.9 | -4.0 |
| Wet | -16.9 | -5.4 | 3.0 | 0.8 | 0.0 | 0.0 | 0.1 | 0.2 | 0.6 | 0.7 | 1.2 | 0.8 |

Table 1-87. San Joaquin River location RSAN007 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -1.6 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.8 | -3.7 | -6.4 | -5.7 |
| 1977 | -3.2 | -1.5 | -0.7 | -0.6 | -0.8 | -0.5 | -0.3 | 0.3 | 0.5 | -1.9 | -4.4 | -3.0 |
| 1978 | -2.2 | -1.0 | 0.0 | 0.6 | 0.2 | 0.1 | 0.1 | 0.1 | 0.5 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 1.2 | 0.7 | -0.7 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.2 | 0.4 | 0.2 | -1.4 | -5.4 | -4.4 |
| 1982 | -1.6 | -1.4 | -0.4 | 0.0 | -0.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1983 | 1.1 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1984 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.2 | 0.1 | -3.9 | -7.5 | -7.1 |
| 1988 | -3.5 | -1.6 | 0.5 | 1.6 | 0.3 | -0.2 | 1.1 | 0.5 | 0.7 | -6.0 | -7.1 | -4.7 |
| 1989 | -2.7 | -1.4 | 1.0 | 1.5 | -0.1 | 0.4 | 1.2 | 1.5 | 0.1 | -0.7 | -4.1 | -3.5 |
| 1990 | -1.3 | -0.6 | -0.4 | 0.3 | 4.5 | 5.3 | 2.2 | 1.4 | 1.2 | -5.1 | -7.0 | -4.7 |
| 1991 | -3.0 | -1.3 | -0.7 | -0.7 | 0.8 | 1.8 | 2.0 | 2.7 | 1.5 | -3.4 | -4.9 | -3.4 |
| 1992 | -2.2 | -1.0 | -0.6 | -0.6 | -0.3 | 1.0 | 2.8 | 1.0 | 0.5 | -5.8 | -6.6 | -4.7 |
| 1993 | -2.7 | -1.2 | 1.4 | 2.7 | 0.4 | 0.4 | 0.2 | 0.2 | 1.0 | 1.9 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.1 | 2.2 | 2.5 | 2.3 | 1.8 | 1.5 | -1.0 | -4.5 | -4.1 |
| 1995 | -2.4 | -0.9 | 0.5 | 1.1 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 1.8 | 1.2 |
| 1996 | 0.2 | 0.0 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.5 | 0.1 | 0.0 |
| 1997 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.5 | 0.3 | 0.0 | 0.0 | 0.1 |
| 1998 | 0.0 | -0.2 | 0.7 | 0.5 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.5 | 0.5 |
| 1999 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.2 | 1.3 | 1.3 | -7.0 | -7.2 | -4.7 |
| 2002 | -3.0 | 0.4 | 2.1 | 0.4 | 1.9 | 2.2 | 2.0 | 1.7 | 0.5 | 0.1 | 0.0 | 0.0 |
| 2003 | 0.0 | -0.1 | 0.3 | 0.2 | 0.1 | 0.3 | 0.1 | 0.0 | 2.6 | 0.4 | -1.3 | -1.5 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | -1.1 | -1.9 | -1.5 |
| Critical | -1.9 | -0.8 | -0.3 | 0.2 | 1.0 | 1.4 | 1.4 | 1.1 | 1.0 | -3.8 | -5.8 | -4.3 |
| Dry | -1.0 | -0.1 | 0.6 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 0.4 | -2.1 | -4.0 | -3.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.3 | 0.5 | 0.7 | 0.0 | 0.0 | -0.2 | 0.0 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | -0.2 | -0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-88. San Joaquin River location RSAN018 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.6 | -4.3 | -1.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 11.4 | 39.4 | -34.8 | -119.6 |
| 1977 | -118.7 | -61.8 | -46.5 | -30.1 | -10.4 | -6.2 | -4.1 | 0.4 | 10.1 | 24.7 | -70.5 | -81.8 |
| 1978 | -70.7 | -40.1 | -12.1 | 1.2 | 0.9 | 0.5 | 0.2 | 0.1 | 0.2 | 0.9 | 0.9 | 0.3 |
| 1979 | 0.1 | 0.0 | -0.3 | 1.0 | 0.4 | 0.2 | 0.1 | 0.2 | 0.1 | 0.3 | 0.2 | 0.0 |
| 1980 | -2.0 | 4.2 | 12.8 | 1.4 | -1.8 | 0.3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.9 | -0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.3 | -0.1 | -19.2 | 57.3 | -98.1 |
| 1982 | -85.9 | -28.2 | -0.9 | 0.1 | -2.1 | -1.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.0 |
| 1983 | 0.6 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.4 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.7 | 0.9 | 1.0 | 0.8 | 0.2 | 0.1 | 0.2 | 0.1 | -0.5 | -1.2 | -1.5 |
| 1986 | -1.5 | -2.1 | 1.7 | 0.8 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.5 | 0.3 | 0.5 | 0.1 | 0.3 | -1.6 | -2.2 | 38.2 | 7.5 | -113.7 |
| 1988 | -108.0 | -60.1 | -10.9 | 2.0 | 0.4 | -0.5 | 1.8 | 0.6 | 2.1 | 59.9 | -63.8 | -97.2 |
| 1989 | -115.8 | -71.2 | 13.9 | 19.2 | -5.5 | 0.9 | 0.9 | 0.8 | -2.4 | -6.2 | 1.6 | -64.6 |
| 1990 | -50.5 | -36.7 | -29.8 | -5.9 | 5.6 | 10.2 | 5.8 | 4.0 | 12.0 | 58.1 | -75.3 | -101.5 |
| 1991 | -109.3 | -66.5 | -46.1 | -27.1 | -1.4 | 2.2 | 1.1 | 7.7 | 14.9 | 42.4 | -52.3 | -79.9 |
| 1992 | -87.3 | -50.1 | -41.7 | -40.4 | -4.8 | 0.7 | 1.3 | 0.0 | -2.7 | 48.7 | -61.6 | -109.7 |
| 1993 | -70.5 | -43.8 | 12.9 | 7.9 | 1.7 | 1.2 | 0.4 | 0.5 | -0.7 | 2.6 | 4.3 | 1.9 |
| 1994 | 0.3 | 0.2 | -0.3 | 7.8 | 6.7 | 2.8 | 2.8 | 2.3 | 9.8 | -19.6 | 33.2 | -33.4 |
| 1995 | -37.3 | -28.7 | -0.2 | 3.5 | 0.9 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 2.0 | 2.4 |
| 1996 | 0.2 | 0.0 | 1.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 2.0 | 1.2 | 0.5 |
| 1997 | 0.0 | -0.1 | 0.1 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.3 | -0.9 | -0.3 | -0.5 |
| 1998 | -0.3 | -1.2 | 2.0 | 0.9 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 |
| 1999 | 0.4 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.9 | 0.6 | 0.2 |
| 2000 | 0.0 | 0.0 | -0.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | -0.6 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -1.3 | 0.6 | 0.3 | 0.1 | 0.1 | 1.4 | 2.1 | 67.0 | -15.9 | -66.4 |
| 2002 | -85.6 | -2.7 | 12.5 | 0.9 | 0.7 | 0.8 | 0.3 | 0.5 | 0.5 | 0.0 | -4.2 | -5.5 |
| 2003 | -2.5 | -6.4 | 1.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 2.6 | 24.5 | -12.4 | -16.5 |
| | | | | | | | | | | | | |
| Average | -27.8 | -14.5 | -3.9 | -1.6 | -0.2 | 0.3 | 0.2 | 0.5 | 1.7 | 10.7 | -8.3 | -29.0 |
| Critical | -67.6 | -39.3 | -25.1 | -13.4 | -0.6 | 1.3 | 1.2 | 2.0 | 8.2 | 36.2 | -46.4 | -89.0 |
| Dry | -33.6 | -12.3 | 4.1 | 3.8 | -0.5 | 0.3 | 0.3 | 0.3 | -0.3 | 13.2 | 7.5 | -58.3 |
| BN | 0.0 | 0.0 | -0.1 | 0.5 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| AN | -24.3 | -14.4 | 2.4 | 1.9 | 0.2 | -0.1 | -0.6 | 0.0 | 0.4 | 4.6 | -1.2 | -2.4 |
| Wet | -9.5 | -4.6 | 0.3 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 |

Table 1-89. San Joaquin River location RSAN018 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.8 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.2 | 1.8 | -2.0 | -5.7 |
| 1977 | -5.0 | -2.9 | -1.8 | -1.7 | -1.6 | -1.3 | -0.9 | 0.1 | 0.8 | 1.5 | -2.8 | -3.0 |
| 1978 | -3.5 | -2.0 | -0.7 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | 0.3 | 1.0 | 0.5 | -0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | -1.5 | 3.2 | -3.9 |
| 1982 | -3.1 | -2.0 | -0.4 | 0.1 | -0.9 | -0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | -0.4 | -0.5 | 3.9 | 0.6 | -6.1 |
| 1988 | -5.4 | -3.1 | -0.8 | 0.6 | 0.1 | -0.2 | 0.5 | 0.2 | 0.5 | 5.1 | -4.2 | -5.1 |
| 1989 | -4.6 | -3.3 | 0.6 | 1.1 | -0.7 | 0.3 | 0.4 | 0.4 | -0.6 | -0.4 | 0.1 | -3.3 |
| 1990 | -2.6 | -1.8 | -1.4 | -0.6 | 1.4 | 3.1 | 1.8 | 1.1 | 1.6 | 2.8 | -3.6 | -4.5 |
| 1991 | -4.7 | -2.7 | -1.8 | -1.9 | -0.2 | 0.7 | 0.4 | 2.0 | 1.5 | 1.9 | -2.6 | -3.7 |
| 1992 | -3.7 | -2.2 | -1.8 | -2.1 | -0.9 | 0.2 | 0.5 | 0.0 | -0.5 | 3.8 | -3.2 | -4.8 |
| 1993 | -3.9 | -2.5 | 0.6 | 1.7 | 0.6 | 0.5 | 0.2 | 0.2 | -0.3 | 0.9 | 0.4 | 0.2 |
| 1994 | 0.1 | 0.0 | 0.0 | 0.6 | 1.4 | 0.9 | 1.0 | 0.8 | 1.8 | -0.9 | 1.5 | -1.3 |
| 1995 | -2.5 | -1.8 | 0.0 | 0.8 | 0.4 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.8 | 0.9 |
| 1996 | 0.1 | 0.0 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | 0.0 |
| 1998 | -0.1 | -0.4 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.5 | 0.6 | 7.1 | -1.3 | -3.6 |
| 2002 | -4.4 | -0.1 | 1.8 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 | -0.2 | -0.2 |
| 2003 | -0.1 | -0.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 4.8 | -1.1 | -1.7 |
| | | | | | | | | | | | | |
| Average | -1.3 | -0.7 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.9 | -0.4 | -1.3 |
| Critical | -3.0 | -1.8 | -1.1 | -0.7 | 0.0 | 0.5 | 0.5 | 0.6 | 1.0 | 2.3 | -2.4 | -4.0 |
| Dry | -1.5 | -0.6 | 0.4 | 0.3 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 1.5 | 0.4 | -2.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -0.8 | 0.2 | 0.5 | 0.1 | 0.0 | -0.2 | 0.0 | 0.1 | 1.0 | -0.1 | -0.2 |
| Wet | -0.4 | -0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-90. San Joaquin River location RSAN032 (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -3.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 17.3 | -36.6 | -47.2 |
| 1977 | -30.6 | -13.1 | -13.2 | -11.5 | -3.5 | -0.7 | 0.0 | 0.4 | 2.2 | -18.1 | -21.7 | -36.0 |
| 1978 | -21.5 | -8.4 | -5.0 | 1.2 | 1.0 | 0.5 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.1 | 0.5 | 0.5 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.7 | 3.8 | 0.3 | -0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.3 | 0.2 | -3.2 | 10.5 | -1.4 |
| 1982 | -17.7 | -9.1 | 0.0 | 0.1 | -0.9 | -0.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | -0.1 | -0.2 | -0.5 |
| 1986 | -0.2 | -0.5 | 0.2 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.2 | -0.1 | 0.1 | 0.0 | 0.7 | 1.0 | 0.4 | 4.1 | -14.1 | -27.5 |
| 1988 | -19.9 | -12.0 | -5.5 | 0.7 | 0.3 | 1.3 | 1.2 | 1.2 | 0.9 | 7.3 | -11.0 | -33.8 |
| 1989 | -26.6 | -14.9 | 0.5 | 7.6 | 0.5 | 1.3 | 1.0 | 0.9 | 0.2 | -1.0 | 3.2 | -5.6 |
| 1990 | -9.4 | -8.4 | -7.8 | -3.3 | 1.1 | 1.7 | 1.3 | 0.8 | 1.9 | 12.8 | -12.6 | -35.3 |
| 1991 | -27.2 | -14.0 | -11.7 | -7.9 | -0.6 | 1.2 | 0.8 | 1.2 | 3.3 | 8.4 | -10.5 | -26.5 |
| 1992 | -20.1 | -10.2 | -8.9 | -11.8 | -0.2 | 0.7 | 0.5 | 0.9 | 0.4 | 5.6 | -13.6 | -30.3 |
| 1993 | -19.7 | -8.1 | 0.9 | 3.0 | 1.4 | 1.1 | 0.3 | 0.6 | -2.1 | -0.5 | 0.7 | 0.3 |
| 1994 | 0.1 | 0.0 | -0.1 | 1.8 | 1.9 | 0.8 | 0.6 | 0.5 | 1.4 | -3.8 | -14.2 | 2.3 |
| 1995 | -4.8 | -3.1 | -2.0 | 1.7 | 0.7 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.2 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 |
| 1997 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | -0.1 | -0.5 |
| 1998 | 0.1 | 0.0 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.6 | -0.1 | 0.1 | 0.1 | 0.3 | 0.7 | 0.7 | 11.0 | 2.5 | -18.8 |
| 2002 | -16.3 | -2.3 | 3.0 | 0.7 | 0.5 | 0.3 | 0.4 | 0.4 | 0.4 | -0.2 | -0.4 | -1.5 |
| 2003 | -1.0 | -1.1 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 3.7 | -0.4 | -2.5 |
| Average | -6.3 | -3.1 | -1.3 | -0.4 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 1.3 | -3.5 | -7.8 |
| Critical | -15.3 | -8.2 | -6.7 | -4.6 | -0.2 | 0.7 | 0.6 | 0.7 | 1.8 | 4.2 | -17.2 | -29.6 |
| Dry | -7.2 | -2.9 | 0.4 | 1.4 | 0.3 | 0.3 | 0.4 | 0.6 | 0.3 | 1.7 | 0.2 | -9.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -7.1 | -2.8 | 0.0 | 0.8 | 0.4 | -0.1 | -0.4 | 0.1 | -0.3 | 0.5 | 0.1 | -0.4 |
| Wet | -1.7 | -1.0 | -0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-91. San Joaquin River location RSAN032 (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.7 | -6.9 | -8.9 |
| 1977 | -4.9 | -2.3 | -1.8 | -1.7 | -0.9 | -0.2 | 0.0 | 0.1 | 0.6 | -4.2 | -4.2 | -4.8 |
| 1978 | -3.4 | -1.5 | -0.9 | 0.5 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.2 | 0.7 | 0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -1.0 | 2.4 | -0.3 |
| 1982 | -3.0 | -2.0 | 0.0 | 0.1 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 1.6 | -4.0 | -6.5 |
| 1988 | -4.0 | -2.4 | -1.1 | 0.3 | 0.1 | 0.5 | 0.5 | 0.5 | 0.4 | 2.5 | -2.6 | -6.8 |
| 1989 | -4.1 | -2.6 | 0.1 | 1.1 | 0.1 | 0.6 | 0.5 | 0.4 | 0.1 | -0.3 | 0.7 | -1.2 |
| 1990 | -2.1 | -1.6 | -1.3 | -0.7 | 0.4 | 0.7 | 0.5 | 0.3 | 0.7 | 3.0 | -2.3 | -6.3 |
| 1991 | -4.1 | -2.0 | -1.6 | -1.2 | -0.2 | 0.5 | 0.3 | 0.5 | 1.2 | 1.8 | -2.0 | -4.9 |
| 1992 | -3.2 | -1.6 | -1.3 | -1.7 | -0.1 | 0.3 | 0.2 | 0.4 | 0.2 | 1.9 | -2.9 | -5.6 |
| 1993 | -3.8 | -1.7 | 0.2 | 1.0 | 0.6 | 0.5 | 0.2 | 0.3 | -1.0 | -0.3 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.3 | 0.3 | 0.2 | 0.6 | -0.8 | -2.6 | 0.4 |
| 1995 | -1.0 | -0.8 | -0.3 | 0.7 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | 4.3 | 0.7 | -4.5 |
| 2002 | -3.4 | -0.5 | 0.9 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 | 0.2 | -0.1 | -0.1 | -0.3 |
| 2003 | -0.2 | -0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 1.7 | -0.1 | -0.9 |
| | | | | | | | | | | | | |
| Average | -1.1 | -0.6 | -0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | -0.7 | -1.5 |
| Critical | -2.6 | -1.4 | -1.0 | -0.7 | 0.0 | 0.3 | 0.3 | 0.3 | 0.6 | 1.1 | -3.4 | -5.2 |
| Dry | -1.2 | -0.5 | 0.1 | 0.3 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.7 | 0.0 | -2.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.5 | 0.0 | 0.3 | 0.2 | -0.1 | -0.2 | 0.1 | -0.1 | 0.2 | 0.0 | -0.1 |
| Wet | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-92. San Joaquin River location RSN037 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 230.6 | 266.4 | 234.5 | 292.1 | 251.3 | 246.9 | 268.4 | 268.9 | 233.4 | 216.3 | 283.6 | 468.2 |
| 1971 | 250.4 | 238.6 | 245.0 | 247.4 | 236.1 | 275.8 | 290.2 | 260.2 | 211.4 | 201.4 | 317.2 | 476.2 |
| 1972 | 249.5 | 254.2 | 251.0 | 335.0 | 287.4 | 255.6 | 319.4 | 297.9 | 238.5 | 261.5 | 371.0 | 528.9 |
| 1973 | 533.8 | 749.2 | 373.6 | 331.9 | 340.0 | 296.7 | 300.1 | 296.3 | 226.6 | 216.8 | 295.4 | 279.7 |
| 1974 | 230.6 | 217.4 | 240.1 | 315.1 | 262.6 | 261.7 | 259.0 | 274.0 | 252.6 | 206.7 | 253.9 | 357.8 |
| 1975 | 246.5 | 252.8 | 269.8 | 390.7 | 342.0 | 254.6 | 276.3 | 257.1 | 260.3 | 209.2 | 259.2 | 390.9 |
| 1976 | 236.4 | 236.4 | 247.0 | 432.1 | 377.0 | 302.9 | 317.6 | 331.7 | 346.5 | 496.7 | 524.1 | 490.9 |
| 1977 | 565.1 | 530.5 | 662.5 | 715.7 | 424.4 | 336.2 | 301.3 | 321.3 | 377.9 | 426.5 | 513.0 | 663.0 |
| 1978 | 610.9 | 527.6 | 575.6 | 382.2 | 388.9 | 389.6 | 327.5 | 257.0 | 280.3 | 222.0 | 286.9 | 294.7 |
| 1979 | 232.4 | 261.6 | 380.1 | 476.5 | 367.2 | 283.7 | 296.0 | 295.4 | 222.4 | 250.8 | 383.3 | 530.4 |
| 1980 | 516.5 | 420.2 | 530.8 | 324.9 | 313.1 | 238.0 | 261.4 | 297.9 | 292.0 | 243.8 | 266.2 | 272.8 |
| 1981 | 236.0 | 244.2 | 384.8 | 452.1 | 268.8 | 316.3 | 345.8 | 307.6 | 240.9 | 337.4 | 453.4 | 540.1 |
| 1982 | 565.9 | 478.4 | 228.2 | 314.7 | 272.9 | 282.1 | 204.1 | 182.1 | 248.9 | 250.4 | 241.5 | 220.8 |
| 1983 | 194.3 | 206.4 | 250.2 | 292.8 | 304.6 | 252.9 | 202.1 | 201.0 | 209.3 | 222.5 | 193.6 | 190.4 |
| 1984 | 201.9 | 187.8 | 227.6 | 274.1 | 229.9 | 235.8 | 285.1 | 281.5 | 231.0 | 217.6 | 274.3 | 391.7 |
| 1985 | 246.5 | 228.4 | 219.4 | 247.3 | 262.6 | 317.5 | 338.6 | 292.5 | 240.1 | 342.3 | 443.3 | 524.9 |
| 1986 | 479.5 | 513.8 | 584.4 | 341.1 | 350.7 | 278.4 | 261.9 | 251.1 | 275.6 | 223.7 | 290.6 | 249.9 |
| 1987 | 242.6 | 242.8 | 274.8 | 442.4 | 312.2 | 329.4 | 350.4 | 303.5 | 244.7 | 270.2 | 344.9 | 402.3 |
| 1988 | 471.7 | 463.4 | 504.1 | 315.2 | 318.0 | 329.8 | 320.1 | 301.6 | 265.5 | 286.0 | 402.2 | 462.6 |
| 1989 | 580.4 | 555.4 | 645.4 | 731.9 | 469.2 | 339.5 | 285.6 | 244.8 | 216.3 | 398.4 | 513.0 | 474.1 |
| 1990 | 443.5 | 496.9 | 563.1 | 490.0 | 305.4 | 265.4 | 257.5 | 268.7 | 283.5 | 445.3 | 539.9 | 522.0 |
| 1991 | 600.6 | 620.7 | 703.5 | 658.1 | 457.6 | 405.9 | 335.0 | 276.7 | 282.4 | 479.5 | 532.4 | 505.1 |
| 1992 | 580.2 | 577.2 | 662.6 | 678.9 | 452.8 | 323.0 | 277.9 | 260.6 | 243.7 | 298.9 | 451.3 | 516.9 |
| 1993 | 497.9 | 463.8 | 589.1 | 462.3 | 357.9 | 311.2 | 315.3 | 288.4 | 257.4 | 205.5 | 284.6 | 290.6 |
| 1994 | 234.8 | 276.9 | 423.8 | 564.8 | 351.5 | 282.0 | 269.1 | 270.8 | 267.1 | 519.3 | 594.3 | 546.1 |
| 1995 | 487.4 | 378.6 | 572.9 | 419.4 | 277.7 | 325.3 | 240.8 | 173.6 | 241.8 | 254.0 | 202.8 | 190.1 |
| 1996 | 221.0 | 246.1 | 222.8 | 300.8 | 326.8 | 265.0 | 283.3 | 276.3 | 247.9 | 215.9 | 315.6 | 429.4 |
| 1997 | 253.1 | 245.3 | 288.8 | 267.5 | 197.7 | 203.3 | 246.8 | 289.6 | 245.1 | 215.1 | 261.2 | 417.3 |
| 1998 | 254.9 | 236.1 | 231.8 | 384.2 | 372.0 | 263.9 | 210.8 | 186.1 | 232.1 | 248.3 | 203.6 | 197.2 |
| 1999 | 211.3 | 231.8 | 209.5 | 299.9 | 260.2 | 238.9 | 295.6 | 278.0 | 224.0 | 208.7 | 314.3 | 440.7 |
| 2000 | 260.6 | 245.5 | 272.5 | 368.6 | 377.2 | 258.6 | 274.3 | 293.6 | 232.1 | 217.2 | 279.1 | 289.7 |
| 2001 | 243.3 | 267.2 | 345.8 | 484.0 | 338.9 | 309.4 | 358.9 | 305.2 | 241.6 | 261.2 | 327.7 | 394.6 |
| 2002 | 459.9 | 448.3 | 355.5 | 294.2 | 249.7 | 259.8 | 302.6 | 309.4 | 254.6 | 390.4 | 455.3 | 528.1 |
| 2003 | 534.2 | 473.7 | 397.1 | 237.5 | 222.0 | 224.1 | 320.7 | 265.6 | 207.7 | 222.7 | 301.9 | 307.0 |
| | | | | | | | | | | | | |
| Average | 364.8 | 361.3 | 387.3 | 399.0 | 321.4 | 287.0 | 288.2 | 272.5 | 252.2 | 284.8 | 352.2 | 405.4 |
| Critical | 447.5 | 457.4 | 538.1 | 550.7 | 383.8 | 320.8 | 296.9 | 290.2 | 295.2 | 421.7 | 508.2 | 529.5 |
| Dry | 334.8 | 331.1 | 370.9 | 442.0 | 316.9 | 312.0 | 330.3 | 293.8 | 239.7 | 333.3 | 422.9 | 477.3 |
| BN | 240.9 | 257.9 | 315.6 | 405.7 | 327.3 | 269.7 | 307.7 | 296.6 | 230.5 | 256.1 | 377.1 | 529.7 |
| AN | 492.3 | 480.0 | 456.4 | 351.2 | 333.2 | 286.4 | 299.9 | 283.1 | 249.3 | 221.3 | 285.7 | 289.1 |
| Wet | 294.4 | 284.6 | 292.7 | 318.5 | 283.4 | 260.4 | 255.7 | 244.6 | 239.5 | 222.3 | 262.4 | 340.1 |

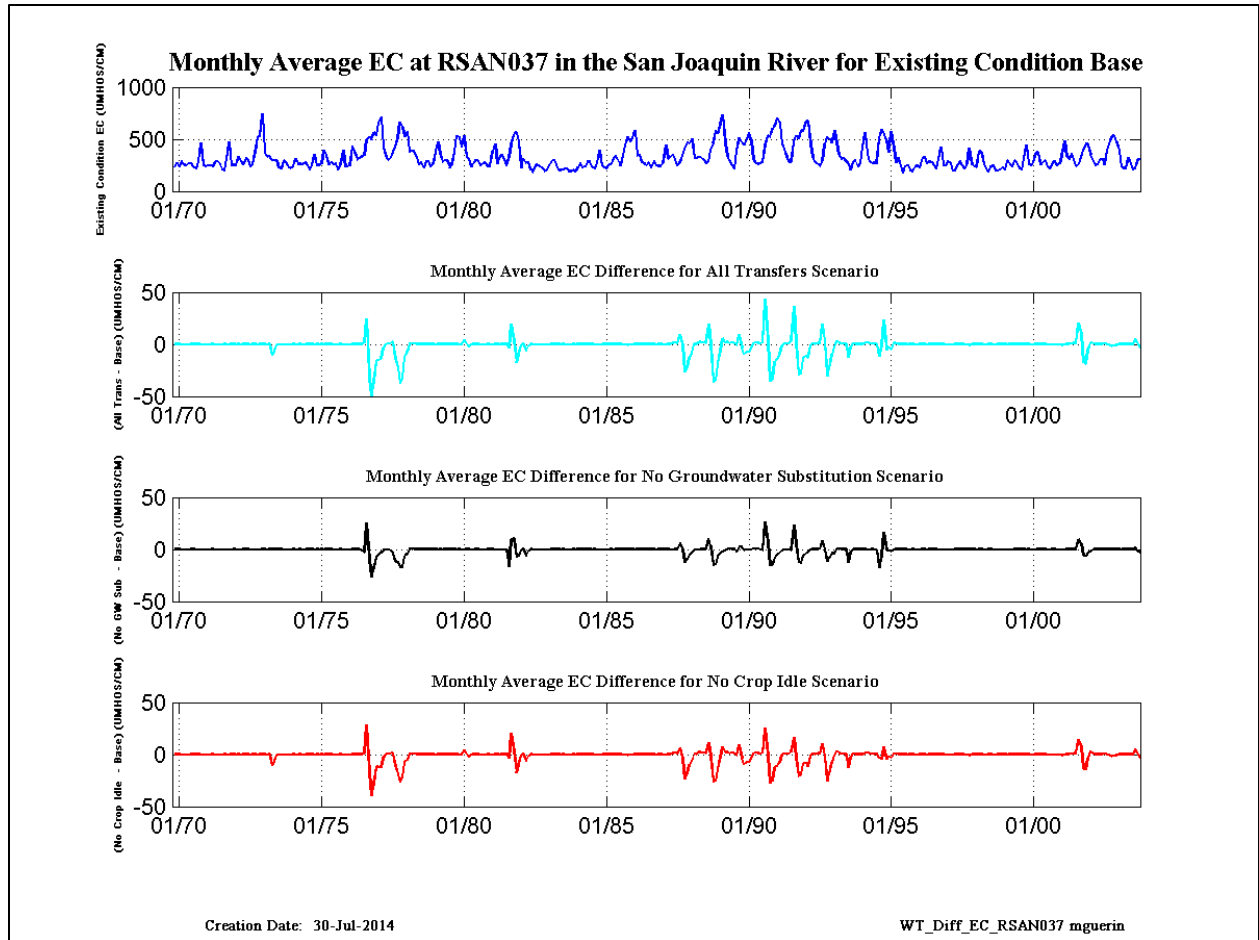


Figure 1-14. San Joaquin River location San Joaquin River location RSAN037 EC for the Base condition and change from Base for the scenarios.

Long-Term Water Transfers
Final EIS/EIR

Table 1-93. RSN072 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1970 | 413.6 | 478.1 | 582.3 | 286.3 | 319.2 | 296.1 | 308.7 | 400.2 | 430.5 | 590.4 | 560.4 | 528.3 |
| 1971 | 484.6 | 563.5 | 783.3 | 673.3 | 734.0 | 449.2 | 302.9 | 358.0 | 457.7 | 567.5 | 557.3 | 540.1 |
| 1972 | 487.5 | 581.9 | 787.5 | 805.3 | 850.3 | 827.4 | 505.6 | 454.2 | 587.3 | 642.6 | 595.4 | 584.0 |
| 1973 | 524.4 | 576.1 | 776.6 | 811.6 | 649.1 | 351.1 | 339.1 | 348.3 | 478.3 | 590.5 | 478.1 | 489.1 |
| 1974 | 446.5 | 521.3 | 768.7 | 521.3 | 607.4 | 277.9 | 299.4 | 375.5 | 456.0 | 527.4 | 450.9 | 462.0 |
| 1975 | 428.3 | 469.2 | 721.0 | 755.4 | 389.2 | 260.8 | 328.3 | 368.6 | 374.0 | 510.1 | 439.1 | 476.9 |
| 1976 | 423.0 | 503.7 | 762.1 | 778.7 | 893.2 | 874.1 | 628.2 | 473.2 | 593.5 | 655.2 | 586.5 | 577.9 |
| 1977 | 532.8 | 655.2 | 816.4 | 825.7 | 1037.2 | 1212.6 | 808.2 | 684.9 | 673.5 | 694.9 | 685.7 | 665.5 |
| 1978 | 611.0 | 683.0 | 833.1 | 725.8 | 618.6 | 567.9 | 279.4 | 239.6 | 375.1 | 507.3 | 443.8 | 424.4 |
| 1979 | 512.2 | 493.0 | 741.1 | 666.0 | 386.7 | 284.9 | 335.7 | 302.1 | 440.5 | 603.6 | 476.7 | 509.9 |
| 1980 | 460.8 | 526.5 | 767.6 | 350.6 | 304.2 | 206.8 | 315.6 | 349.6 | 350.0 | 428.5 | 416.0 | 459.4 |
| 1981 | 451.3 | 499.6 | 758.2 | 768.7 | 849.3 | 581.5 | 433.3 | 426.4 | 592.6 | 627.3 | 592.3 | 571.9 |
| 1982 | 505.4 | 577.9 | 771.1 | 622.6 | 298.0 | 280.0 | 178.2 | 170.2 | 328.8 | 383.7 | 311.8 | 244.4 |
| 1983 | 190.3 | 194.9 | 267.7 | 265.2 | 282.2 | 227.2 | 176.8 | 198.7 | 200.0 | 217.5 | 170.5 | 223.8 |
| 1984 | 342.2 | 164.4 | 223.0 | 293.9 | 201.8 | 301.6 | 315.7 | 364.9 | 469.7 | 589.4 | 497.1 | 415.8 |
| 1985 | 380.6 | 467.8 | 777.0 | 768.2 | 768.7 | 560.5 | 381.1 | 442.6 | 580.2 | 665.1 | 575.2 | 538.3 |
| 1986 | 500.7 | 550.5 | 764.4 | 797.2 | 400.2 | 259.4 | 244.6 | 246.5 | 365.3 | 515.7 | 434.9 | 411.5 |
| 1987 | 393.1 | 423.1 | 710.5 | 741.6 | 865.2 | 723.3 | 585.1 | 463.0 | 600.3 | 652.3 | 614.1 | 589.6 |
| 1988 | 528.1 | 603.1 | 798.3 | 817.0 | 980.7 | 921.9 | 675.3 | 617.4 | 664.2 | 668.6 | 649.3 | 618.9 |
| 1989 | 581.8 | 636.8 | 811.6 | 827.2 | 958.1 | 842.3 | 586.0 | 679.0 | 651.2 | 621.0 | 615.8 | 556.2 |
| 1990 | 572.1 | 626.2 | 815.2 | 837.5 | 948.7 | 929.9 | 766.4 | 657.3 | 679.2 | 665.0 | 634.7 | 619.3 |
| 1991 | 581.0 | 624.9 | 820.8 | 847.2 | 1000.9 | 741.9 | 607.9 | 672.2 | 716.5 | 693.9 | 700.5 | 678.4 |
| 1992 | 591.0 | 637.7 | 829.6 | 855.7 | 837.0 | 799.0 | 802.6 | 738.5 | 740.5 | 691.2 | 757.9 | 733.3 |
| 1993 | 613.2 | 668.2 | 833.0 | 678.2 | 673.5 | 636.1 | 456.7 | 485.2 | 687.9 | 780.0 | 510.6 | 485.2 |
| 1994 | 499.1 | 554.2 | 800.1 | 843.9 | 904.1 | 927.1 | 705.1 | 631.8 | 690.7 | 648.5 | 657.0 | 641.0 |
| 1995 | 607.6 | 644.2 | 820.5 | 716.2 | 711.7 | 355.2 | 211.7 | 152.2 | 289.3 | 250.1 | 299.4 | 458.7 |
| 1996 | 450.9 | 508.7 | 766.5 | 744.5 | 337.8 | 284.0 | 309.4 | 327.8 | 454.9 | 563.9 | 472.6 | 474.9 |
| 1997 | 451.7 | 441.0 | 297.2 | 234.8 | 168.9 | 196.4 | 304.9 | 320.5 | 435.1 | 599.7 | 513.2 | 468.9 |
| 1998 | 469.9 | 566.1 | 770.8 | 569.4 | 348.7 | 253.3 | 186.3 | 169.3 | 252.7 | 249.3 | 275.0 | 302.6 |
| 1999 | 351.8 | 442.1 | 676.4 | 525.8 | 221.6 | 340.0 | 337.1 | 352.2 | 419.6 | 615.0 | 540.9 | 510.0 |
| 2000 | 483.5 | 554.1 | 796.6 | 751.8 | 360.1 | 255.8 | 329.2 | 363.3 | 566.0 | 630.9 | 557.8 | 475.9 |
| 2001 | 437.4 | 514.2 | 765.0 | 769.3 | 851.8 | 669.2 | 401.2 | 442.1 | 598.4 | 657.8 | 613.1 | 572.7 |
| 2002 | 531.1 | 590.1 | 782.7 | 758.4 | 805.1 | 773.8 | 517.8 | 517.3 | 559.4 | 629.0 | 610.5 | 585.6 |
| 2003 | 576.7 | 620.6 | 797.8 | 818.5 | 792.7 | 798.7 | 448.2 | 452.8 | 473.8 | 623.8 | 604.2 | 586.5 |
| | | | | | | | | | | | | |
| Average | 482.8 | 534.2 | 729.2 | 678.0 | 628.1 | 537.3 | 423.9 | 419.0 | 506.8 | 575.2 | 526.4 | 514.1 |
| Critical | 532.4 | 600.7 | 806.1 | 829.4 | 943.1 | 915.2 | 713.4 | 639.3 | 679.7 | 673.9 | 667.4 | 647.8 |
| Dry | 462.5 | 521.9 | 767.5 | 772.3 | 849.7 | 691.8 | 484.1 | 495.1 | 597.0 | 642.1 | 603.5 | 569.0 |
| BN | 499.8 | 537.4 | 764.3 | 735.6 | 618.5 | 556.1 | 420.7 | 378.1 | 513.9 | 623.1 | 536.0 | 546.9 |
| AN | 544.9 | 604.8 | 800.8 | 689.4 | 566.4 | 469.4 | 361.4 | 373.2 | 488.5 | 593.5 | 501.8 | 486.8 |
| Wet | 434.1 | 470.9 | 631.8 | 538.9 | 386.2 | 290.9 | 269.5 | 292.7 | 379.5 | 475.4 | 424.8 | 424.4 |

Table 1-94. San Joaquin River location RSN112 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1970 | 414.5 | 479.7 | 584.5 | 277.7 | 319.3 | 293.9 | 301.7 | 392.8 | 415.0 | 593.5 | 546.3 | 520.9 |
| 1971 | 481.5 | 562.3 | 782.4 | 664.3 | 736.7 | 439.7 | 293.7 | 353.8 | 446.5 | 563.4 | 545.0 | 533.6 |
| 1972 | 483.5 | 586.7 | 804.2 | 797.8 | 851.8 | 817.0 | 482.5 | 439.5 | 583.4 | 638.0 | 578.5 | 580.3 |
| 1973 | 520.7 | 573.0 | 790.3 | 769.3 | 628.2 | 342.1 | 335.1 | 341.4 | 472.3 | 588.6 | 463.6 | 485.5 |
| 1974 | 443.9 | 522.7 | 775.3 | 510.5 | 609.9 | 268.5 | 298.8 | 371.4 | 451.9 | 524.4 | 438.7 | 457.8 |
| 1975 | 425.4 | 470.2 | 737.0 | 753.3 | 374.6 | 257.3 | 327.4 | 359.4 | 368.7 | 508.9 | 429.0 | 474.3 |
| 1976 | 420.0 | 506.2 | 784.2 | 772.7 | 898.1 | 861.2 | 606.0 | 451.2 | 587.9 | 655.0 | 573.9 | 574.8 |
| 1977 | 528.8 | 662.0 | 831.5 | 817.4 | 1058.5 | 1236.8 | 720.8 | 675.5 | 651.9 | 691.5 | 677.9 | 659.6 |
| 1978 | 604.4 | 687.6 | 842.6 | 709.2 | 612.5 | 559.6 | 272.0 | 235.6 | 373.9 | 505.5 | 432.4 | 419.9 |
| 1979 | 513.6 | 490.5 | 755.8 | 655.8 | 376.0 | 281.0 | 334.6 | 296.2 | 427.0 | 605.7 | 462.2 | 507.0 |
| 1980 | 457.6 | 528.7 | 787.3 | 338.4 | 300.6 | 204.6 | 314.7 | 345.8 | 346.0 | 426.5 | 408.1 | 457.3 |
| 1981 | 448.9 | 501.1 | 781.5 | 761.2 | 853.5 | 570.2 | 422.2 | 415.6 | 590.7 | 617.5 | 580.3 | 565.7 |
| 1982 | 501.8 | 579.5 | 779.8 | 604.3 | 289.6 | 274.5 | 176.0 | 167.6 | 328.6 | 380.8 | 303.3 | 241.5 |
| 1983 | 188.2 | 191.7 | 267.8 | 257.3 | 279.7 | 221.7 | 175.4 | 197.6 | 197.7 | 215.6 | 165.2 | 222.9 |
| 1984 | 344.4 | 159.9 | 221.5 | 294.6 | 198.5 | 302.2 | 310.7 | 357.6 | 463.9 | 588.6 | 483.5 | 407.7 |
| 1985 | 378.8 | 468.0 | 798.9 | 762.3 | 767.6 | 551.7 | 367.8 | 434.6 | 575.5 | 667.4 | 560.2 | 532.5 |
| 1986 | 497.7 | 551.1 | 776.8 | 789.4 | 386.2 | 254.5 | 243.2 | 243.0 | 363.3 | 514.0 | 422.4 | 407.7 |
| 1987 | 390.3 | 422.6 | 733.1 | 737.2 | 870.9 | 707.9 | 564.1 | 442.1 | 596.9 | 647.3 | 601.9 | 583.0 |
| 1988 | 523.5 | 606.6 | 817.9 | 807.6 | 992.6 | 909.0 | 645.9 | 604.4 | 656.9 | 648.8 | 640.8 | 610.8 |
| 1989 | 576.1 | 639.4 | 824.6 | 820.8 | 968.7 | 830.6 | 554.2 | 681.0 | 623.2 | 616.9 | 612.5 | 549.5 |
| 1990 | 572.3 | 628.2 | 832.0 | 830.0 | 957.8 | 918.8 | 724.4 | 646.4 | 667.6 | 634.0 | 625.9 | 612.4 |
| 1991 | 575.4 | 625.8 | 839.0 | 842.9 | 1013.7 | 724.1 | 587.9 | 668.9 | 713.4 | 717.4 | 698.2 | 670.8 |
| 1992 | 584.2 | 640.4 | 848.9 | 845.0 | 829.7 | 791.2 | 794.3 | 716.5 | 737.9 | 752.0 | 790.3 | 723.5 |
| 1993 | 603.0 | 671.6 | 849.4 | 651.8 | 648.8 | 624.7 | 445.8 | 483.1 | 694.0 | 786.0 | 485.1 | 480.9 |
| 1994 | 498.4 | 555.9 | 824.2 | 836.3 | 905.3 | 924.2 | 667.9 | 623.7 | 686.2 | 711.8 | 651.9 | 634.0 |
| 1995 | 603.9 | 645.2 | 845.7 | 683.0 | 711.2 | 344.2 | 208.2 | 149.8 | 288.7 | 246.8 | 294.0 | 461.6 |
| 1996 | 448.1 | 510.9 | 779.0 | 720.7 | 315.4 | 280.1 | 308.5 | 325.5 | 452.4 | 561.5 | 458.8 | 471.2 |
| 1997 | 450.2 | 439.4 | 292.2 | 230.3 | 167.5 | 194.9 | 299.4 | 314.2 | 430.9 | 602.0 | 500.2 | 462.8 |
| 1998 | 468.6 | 568.8 | 792.2 | 542.4 | 329.4 | 250.8 | 184.2 | 168.0 | 251.9 | 246.5 | 269.6 | 300.7 |
| 1999 | 352.7 | 443.8 | 687.1 | 516.6 | 212.2 | 342.3 | 334.0 | 346.3 | 411.2 | 622.1 | 527.5 | 504.8 |
| 2000 | 480.6 | 556.6 | 819.3 | 739.3 | 341.1 | 253.2 | 327.0 | 358.4 | 567.4 | 627.3 | 544.1 | 469.5 |
| 2001 | 435.2 | 516.3 | 779.3 | 760.7 | 852.4 | 660.4 | 389.3 | 432.6 | 596.6 | 656.6 | 601.3 | 566.5 |
| 2002 | 527.1 | 591.6 | 785.9 | 749.6 | 805.9 | 769.2 | 491.8 | 492.7 | 541.6 | 651.3 | 596.7 | 579.6 |
| 2003 | 574.1 | 621.3 | 805.6 | 813.7 | 786.6 | 797.1 | 430.7 | 445.2 | 439.5 | 637.1 | 592.6 | 581.1 |
| | | | | | | | | | | | | |
| Average | 479.9 | 535.5 | 742.8 | 666.6 | 625.0 | 531.2 | 410.0 | 411.1 | 500.0 | 578.0 | 516.5 | 509.2 |
| Critical | 528.9 | 603.6 | 825.4 | 821.7 | 950.8 | 909.3 | 678.2 | 626.7 | 671.7 | 687.2 | 665.6 | 640.8 |
| Dry | 459.4 | 523.2 | 783.9 | 765.3 | 853.2 | 681.7 | 464.9 | 483.1 | 587.4 | 642.8 | 592.1 | 562.8 |
| BN | 498.5 | 538.6 | 780.0 | 726.8 | 613.9 | 549.0 | 408.6 | 367.8 | 505.2 | 621.8 | 520.3 | 543.6 |
| AN | 540.1 | 606.5 | 815.7 | 670.3 | 552.9 | 463.6 | 354.2 | 368.3 | 482.2 | 595.2 | 487.6 | 482.4 |
| Wet | 432.4 | 471.2 | 640.1 | 526.5 | 379.2 | 286.5 | 266.2 | 288.2 | 374.7 | 474.5 | 414.1 | 420.6 |

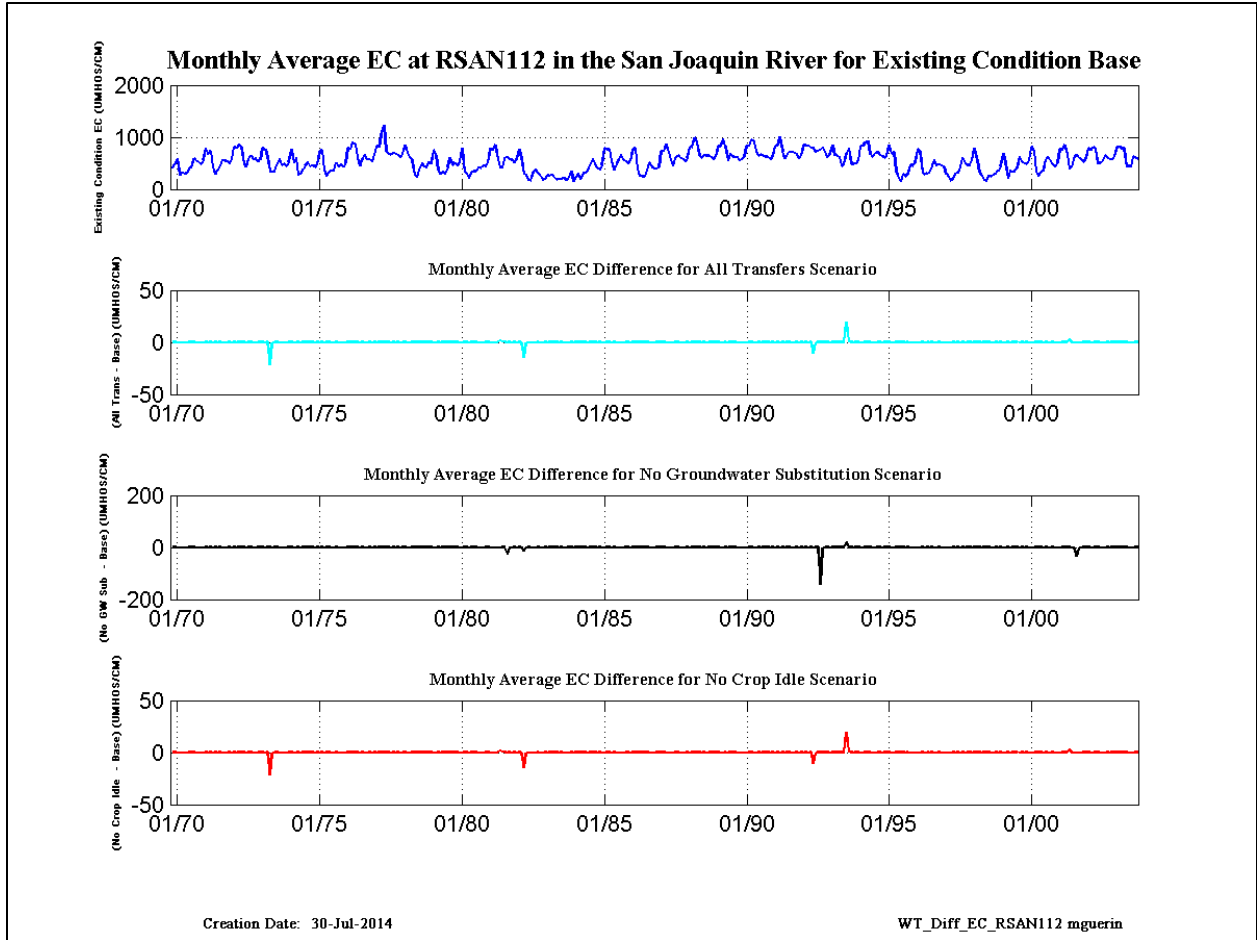


Figure 1-15. San Joaquin River location San Joaquin River location RSAN112 EC for the Base condition and change from Base for the scenarios.

Table 1-95. Mokelumne River location RSMKL008 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 182.4 | 187.3 | 186.3 | 203.2 | 185.5 | 181.4 | 196.9 | 191.5 | 187.6 | 183.6 | 182.7 | 182.8 |
| 1971 | 185.6 | 189.2 | 205.5 | 194.0 | 195.0 | 184.3 | 185.6 | 176.8 | 179.1 | 183.1 | 181.6 | 182.3 |
| 1972 | 185.4 | 187.6 | 186.6 | 216.1 | 208.3 | 192.4 | 194.9 | 198.0 | 189.8 | 183.6 | 182.4 | 181.9 |
| 1973 | 183.7 | 199.5 | 205.4 | 233.6 | 207.2 | 189.7 | 189.5 | 183.2 | 184.9 | 183.0 | 182.2 | 179.5 |
| 1974 | 182.8 | 179.8 | 190.9 | 192.0 | 191.7 | 193.7 | 177.1 | 174.2 | 179.2 | 181.2 | 180.4 | 181.5 |
| 1975 | 184.8 | 189.8 | 189.4 | 219.1 | 211.4 | 200.0 | 185.5 | 173.1 | 179.2 | 181.3 | 179.8 | 180.3 |
| 1976 | 181.7 | 184.7 | 186.3 | 215.6 | 217.2 | 208.9 | 208.8 | 230.4 | 205.4 | 185.3 | 185.7 | 188.7 |
| 1977 | 193.4 | 192.9 | 201.0 | 222.3 | 237.3 | 223.4 | 213.8 | 217.5 | 203.5 | 194.3 | 185.6 | 189.1 |
| 1978 | 193.5 | 195.2 | 208.3 | 246.8 | 222.9 | 223.2 | 194.7 | 184.0 | 185.7 | 184.6 | 183.0 | 180.2 |
| 1979 | 184.2 | 184.4 | 187.0 | 237.1 | 255.6 | 203.8 | 189.6 | 177.2 | 184.7 | 183.5 | 181.9 | 182.4 |
| 1980 | 182.9 | 186.5 | 194.5 | 195.1 | 201.4 | 182.9 | 187.2 | 176.4 | 180.1 | 182.7 | 180.4 | 177.8 |
| 1981 | 184.6 | 186.8 | 189.8 | 210.4 | 209.2 | 207.9 | 202.8 | 201.9 | 191.2 | 184.7 | 184.0 | 183.3 |
| 1982 | 183.8 | 185.6 | 192.9 | 215.5 | 179.8 | 201.6 | 167.8 | 168.1 | 176.6 | 182.9 | 180.2 | 175.1 |
| 1983 | 183.2 | 194.3 | 182.8 | 222.3 | 201.0 | 189.9 | 179.7 | 165.7 | 171.2 | 177.4 | 175.0 | 173.2 |
| 1984 | 184.8 | 174.7 | 192.2 | 185.1 | 184.9 | 182.8 | 189.6 | 187.0 | 185.3 | 182.5 | 181.7 | 183.1 |
| 1985 | 182.4 | 195.9 | 210.0 | 225.2 | 212.5 | 225.0 | 205.1 | 200.6 | 191.4 | 184.7 | 184.3 | 181.6 |
| 1986 | 186.0 | 187.5 | 189.5 | 237.3 | 209.5 | 190.9 | 198.0 | 179.3 | 184.3 | 182.7 | 181.9 | 177.5 |
| 1987 | 185.2 | 186.2 | 188.2 | 226.0 | 227.8 | 231.7 | 220.9 | 209.4 | 191.3 | 186.5 | 188.2 | 187.3 |
| 1988 | 188.8 | 191.6 | 208.4 | 249.7 | 237.9 | 234.4 | 214.7 | 210.9 | 193.6 | 189.2 | 190.1 | 191.4 |
| 1989 | 194.2 | 191.2 | 196.9 | 222.7 | 237.7 | 199.6 | 195.4 | 192.4 | 187.9 | 184.1 | 182.1 | 181.1 |
| 1990 | 184.8 | 190.6 | 201.1 | 217.1 | 242.3 | 223.6 | 205.7 | 204.4 | 196.9 | 187.3 | 186.8 | 189.0 |
| 1991 | 192.9 | 196.8 | 204.4 | 248.9 | 241.9 | 229.9 | 212.9 | 202.4 | 189.1 | 186.7 | 186.0 | 189.8 |
| 1992 | 190.8 | 196.7 | 208.6 | 236.7 | 250.8 | 236.3 | 212.6 | 203.0 | 189.0 | 187.4 | 187.0 | 187.4 |
| 1993 | 190.4 | 196.7 | 204.6 | 263.6 | 230.7 | 202.5 | 182.2 | 177.0 | 180.6 | 182.4 | 181.8 | 179.4 |
| 1994 | 184.9 | 186.4 | 190.0 | 228.2 | 260.3 | 231.6 | 206.1 | 201.8 | 197.7 | 184.6 | 185.0 | 184.6 |
| 1995 | 188.7 | 190.5 | 192.0 | 245.9 | 197.8 | 196.0 | 173.9 | 165.4 | 172.4 | 179.4 | 176.9 | 175.4 |
| 1996 | 183.7 | 189.7 | 198.1 | 225.8 | 200.3 | 189.3 | 185.6 | 171.5 | 179.1 | 182.7 | 182.1 | 181.7 |
| 1997 | 184.5 | 184.9 | 192.9 | 192.0 | 182.2 | 195.3 | 198.6 | 198.6 | 188.9 | 183.4 | 182.4 | 182.8 |
| 1998 | 185.3 | 186.0 | 192.1 | 251.4 | 238.6 | 186.5 | 175.2 | 170.3 | 172.6 | 179.3 | 177.4 | 175.7 |
| 1999 | 185.3 | 188.3 | 187.3 | 209.2 | 194.6 | 183.6 | 182.9 | 176.6 | 180.3 | 181.5 | 180.2 | 181.0 |
| 2000 | 185.2 | 188.5 | 188.6 | 214.5 | 225.4 | 185.7 | 190.3 | 183.9 | 184.3 | 183.3 | 182.3 | 180.3 |
| 2001 | 184.3 | 190.4 | 191.6 | 241.0 | 242.7 | 206.9 | 208.9 | 205.1 | 190.1 | 186.6 | 187.3 | 187.1 |
| 2002 | 191.0 | 192.1 | 199.4 | 208.7 | 212.5 | 199.4 | 196.5 | 211.3 | 191.3 | 184.6 | 184.1 | 184.2 |
| 2003 | 188.3 | 188.3 | 188.8 | 195.8 | 205.3 | 201.7 | 192.6 | 178.2 | 184.6 | 184.0 | 181.2 | 180.9 |
| | | | | | | | | | | | | |
| Average | 186.3 | 189.3 | 195.0 | 222.0 | 216.4 | 203.4 | 194.8 | 189.6 | 186.1 | 183.9 | 182.8 | 182.3 |
| Critical | 188.2 | 191.4 | 200.0 | 231.2 | 241.1 | 226.9 | 210.7 | 210.1 | 196.5 | 187.8 | 186.6 | 188.6 |
| Dry | 186.9 | 190.4 | 196.0 | 222.3 | 223.7 | 211.7 | 205.0 | 203.4 | 190.5 | 185.2 | 185.0 | 184.1 |
| BN | 184.8 | 186.0 | 186.8 | 226.6 | 231.9 | 198.1 | 192.2 | 187.6 | 187.2 | 183.6 | 182.1 | 182.1 |
| AN | 187.3 | 192.4 | 198.4 | 224.9 | 215.5 | 197.6 | 189.4 | 180.5 | 183.4 | 183.3 | 181.8 | 179.7 |
| Wet | 184.7 | 186.7 | 191.7 | 214.8 | 197.9 | 190.4 | 184.3 | 176.8 | 179.7 | 181.6 | 180.2 | 179.4 |

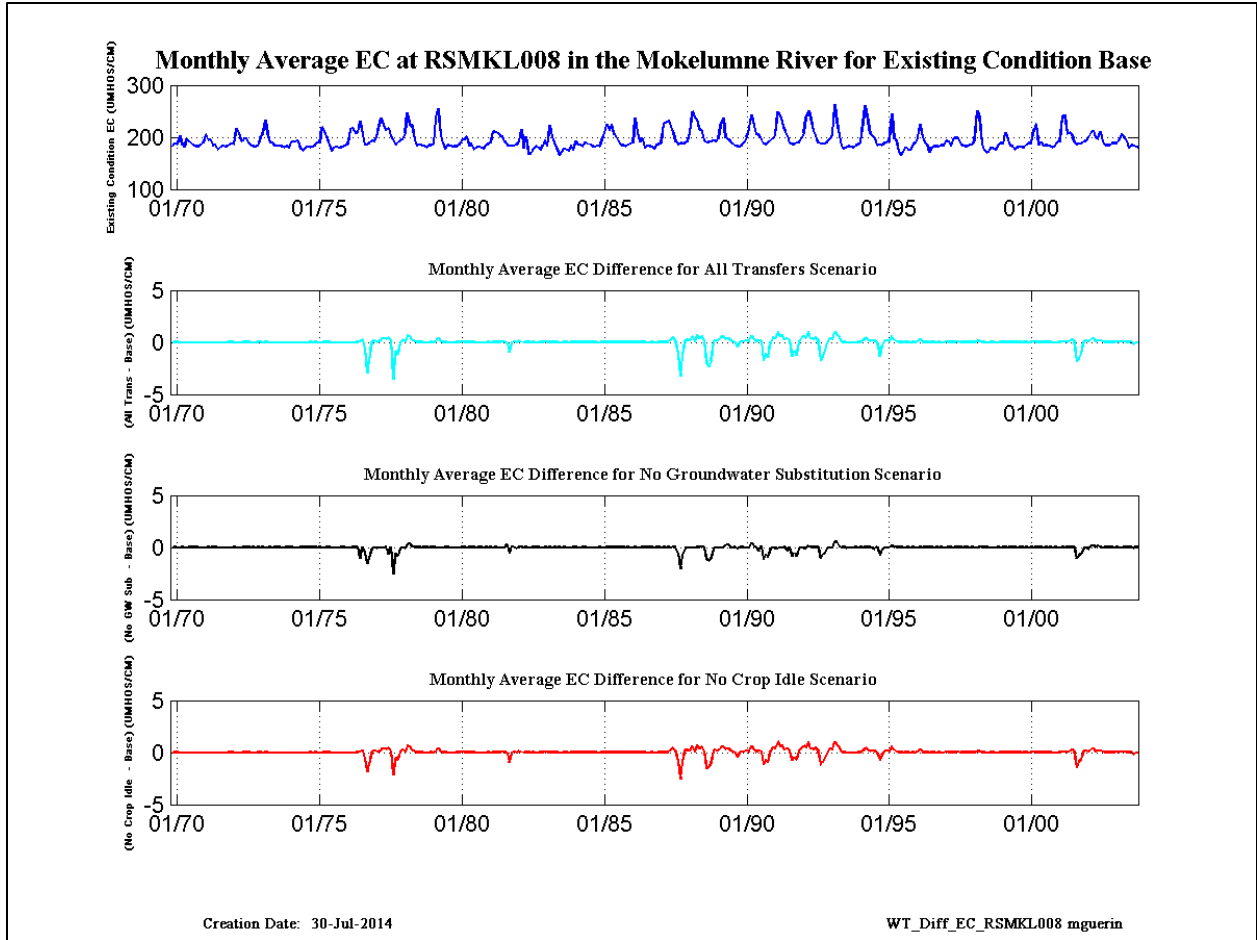


Figure 1-16. Mokelumne River location San Joaquin River location RSMKL008 EC for the Base condition and change from Base for the scenarios.

Table 1-96. Barker Slough location SLBAR002 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 186.1 | 186.4 | 193.8 | 220.8 | 220.1 | 199.7 | 201.4 | 196.4 | 191.9 | 189.4 | 189.1 | 189.4 |
| 1971 | 189.3 | 198.3 | 208.5 | 204.7 | 200.6 | 200.9 | 197.7 | 190.3 | 188.1 | 188.9 | 189.4 | 189.4 |
| 1972 | 190.1 | 192.0 | 195.9 | 201.2 | 204.8 | 206.4 | 206.4 | 198.5 | 192.7 | 189.4 | 187.5 | 187.7 |
| 1973 | 186.6 | 199.8 | 205.0 | 230.3 | 245.7 | 211.4 | 203.1 | 197.2 | 193.2 | 189.4 | 188.9 | 189.8 |
| 1974 | 188.1 | 195.8 | 198.4 | 203.6 | 201.0 | 197.7 | 193.2 | 191.0 | 190.1 | 188.7 | 187.7 | 188.7 |
| 1975 | 188.7 | 189.3 | 189.4 | 197.5 | 218.2 | 212.1 | 198.1 | 192.6 | 189.1 | 188.7 | 189.6 | 189.2 |
| 1976 | 183.8 | 187.2 | 188.0 | 195.9 | 204.2 | 204.9 | 206.4 | 204.6 | 200.5 | 194.6 | 189.2 | 193.6 |
| 1977 | 197.9 | 196.1 | 190.9 | 196.7 | 210.0 | 216.5 | 223.8 | 221.2 | 204.1 | 203.9 | 196.6 | 193.9 |
| 1978 | 202.5 | 203.5 | 211.5 | 244.7 | 255.0 | 222.3 | 206.9 | 195.5 | 192.6 | 190.3 | 189.8 | 189.5 |
| 1979 | 191.1 | 190.9 | 187.7 | 233.9 | 277.2 | 246.4 | 209.4 | 197.2 | 193.3 | 190.7 | 187.7 | 189.8 |
| 1980 | 187.5 | 185.6 | 197.0 | 219.7 | 227.2 | 212.5 | 200.1 | 195.2 | 191.6 | 188.9 | 188.2 | 189.0 |
| 1981 | 189.5 | 191.5 | 187.7 | 205.1 | 221.1 | 204.4 | 206.5 | 201.0 | 195.1 | 191.6 | 187.9 | 188.8 |
| 1982 | 187.8 | 193.2 | 195.7 | 223.8 | 223.5 | 212.2 | 210.3 | 193.1 | 190.7 | 188.9 | 189.3 | 188.2 |
| 1983 | 186.4 | 198.2 | 195.2 | 210.8 | 228.5 | 233.7 | 218.3 | 191.3 | 188.1 | 185.9 | 187.1 | 188.0 |
| 1984 | 188.2 | 187.7 | 193.8 | 197.6 | 194.7 | 199.6 | 199.0 | 194.6 | 192.9 | 189.4 | 188.9 | 190.1 |
| 1985 | 188.3 | 203.4 | 201.7 | 203.0 | 209.5 | 204.5 | 210.0 | 199.0 | 194.5 | 191.2 | 189.5 | 189.0 |
| 1986 | 190.1 | 193.0 | 193.5 | 208.8 | 249.5 | 233.5 | 204.9 | 199.6 | 193.6 | 190.6 | 189.2 | 188.9 |
| 1987 | 189.4 | 191.4 | 186.9 | 198.1 | 212.5 | 212.7 | 214.1 | 220.3 | 205.2 | 199.5 | 195.7 | 198.4 |
| 1988 | 202.4 | 202.4 | 199.9 | 211.5 | 227.4 | 233.5 | 228.7 | 211.1 | 205.0 | 198.4 | 195.5 | 198.5 |
| 1989 | 204.1 | 201.2 | 191.7 | 197.1 | 203.5 | 209.0 | 206.9 | 207.0 | 195.7 | 189.9 | 186.9 | 185.6 |
| 1990 | 187.2 | 190.1 | 194.1 | 204.6 | 213.7 | 221.8 | 220.0 | 206.8 | 197.9 | 203.9 | 197.7 | 198.1 |
| 1991 | 200.4 | 202.4 | 203.1 | 204.2 | 211.3 | 209.0 | 218.5 | 205.5 | 195.8 | 195.5 | 195.0 | 197.4 |
| 1992 | 198.3 | 197.8 | 197.0 | 202.6 | 216.5 | 225.1 | 226.5 | 220.6 | 210.7 | 198.5 | 195.0 | 197.3 |
| 1993 | 194.7 | 195.0 | 213.2 | 257.2 | 276.0 | 226.4 | 200.4 | 192.0 | 188.1 | 188.3 | 189.4 | 190.4 |
| 1994 | 190.9 | 190.9 | 189.5 | 203.7 | 223.7 | 228.5 | 216.5 | 200.2 | 195.1 | 196.1 | 191.0 | 193.3 |
| 1995 | 194.6 | 198.6 | 204.4 | 247.3 | 249.2 | 214.7 | 211.5 | 188.7 | 186.4 | 186.3 | 187.6 | 188.7 |
| 1996 | 189.2 | 190.4 | 202.0 | 209.8 | 215.8 | 206.7 | 194.9 | 189.0 | 189.9 | 190.6 | 190.3 | 189.3 |
| 1997 | 187.4 | 190.2 | 199.9 | 226.8 | 232.2 | 206.6 | 204.8 | 195.8 | 191.8 | 189.1 | 188.5 | 189.0 |
| 1998 | 188.6 | 192.6 | 191.3 | 211.2 | 252.2 | 242.4 | 193.3 | 186.5 | 185.8 | 185.5 | 187.4 | 187.4 |
| 1999 | 187.1 | 186.6 | 184.2 | 195.4 | 209.0 | 200.9 | 196.0 | 192.0 | 190.0 | 189.4 | 189.6 | 189.6 |
| 2000 | 190.3 | 191.6 | 188.5 | 201.8 | 217.7 | 208.7 | 197.7 | 194.1 | 193.7 | 190.0 | 189.4 | 189.5 |
| 2001 | 186.4 | 188.3 | 188.6 | 197.2 | 216.6 | 227.2 | 208.9 | 207.9 | 204.6 | 196.9 | 193.6 | 196.4 |
| 2002 | 199.9 | 195.2 | 210.7 | 226.5 | 215.9 | 210.0 | 207.7 | 208.9 | 201.3 | 190.7 | 187.9 | 190.3 |
| 2003 | 192.7 | 194.6 | 207.3 | 213.6 | 205.7 | 204.1 | 200.8 | 193.5 | 190.0 | 189.0 | 187.0 | 189.1 |
| | | | | | | | | | | | | |
| Average | 191.3 | 193.9 | 196.6 | 212.0 | 223.2 | 214.9 | 207.1 | 199.4 | 194.4 | 191.7 | 190.1 | 190.9 |
| Critical | 194.4 | 195.3 | 194.6 | 202.7 | 215.3 | 219.9 | 220.1 | 210.0 | 201.3 | 198.7 | 194.3 | 196.0 |
| Dry | 192.9 | 195.2 | 194.5 | 204.5 | 213.2 | 211.3 | 209.0 | 207.3 | 199.4 | 193.3 | 190.2 | 191.4 |
| BN | 190.6 | 191.5 | 191.8 | 217.5 | 241.0 | 226.4 | 207.9 | 197.8 | 193.0 | 190.1 | 187.6 | 188.7 |
| AN | 192.4 | 195.0 | 203.7 | 227.9 | 237.9 | 214.2 | 201.5 | 194.6 | 191.6 | 189.3 | 188.8 | 189.5 |
| Wet | 188.6 | 192.3 | 196.2 | 212.2 | 222.7 | 212.4 | 201.8 | 192.4 | 189.9 | 188.6 | 188.7 | 188.9 |

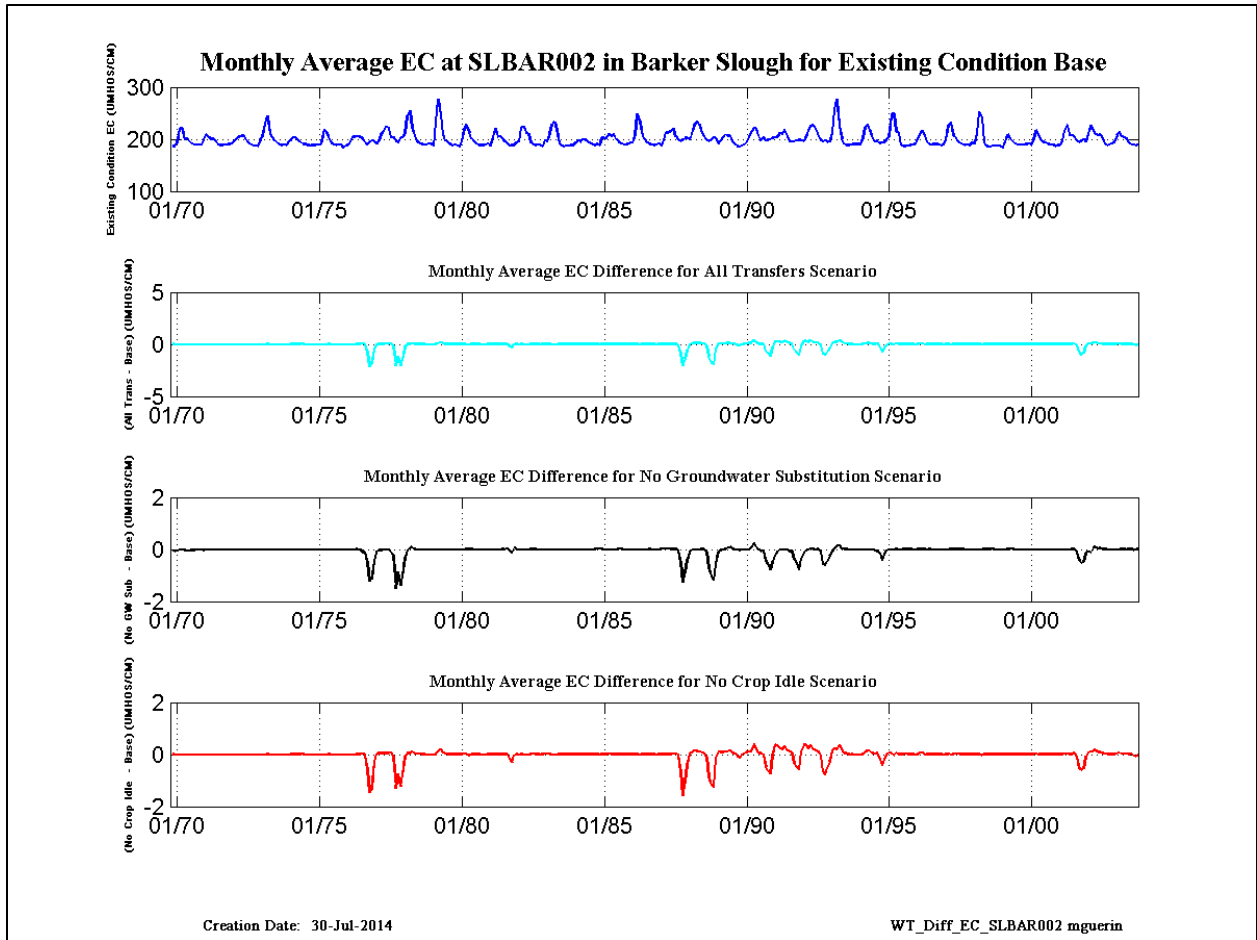


Figure 1-17. Barker Slough location SLBAR002 EC for the Base condition and change from Base for the scenarios.

Table 1-97. Suisun Marsh location SLCBN002 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|
| 1970 | 5164.7 | 5471.1 | 2604.9 | 1186.2 | 1026.0 | 980.1 | 2124.4 | 4396.3 | 6318.3 | 7702.3 | 8852.0 | 8158.9 |
| 1971 | 5559.2 | 5438.9 | 2726.5 | 1632.7 | 1749.0 | 1569.3 | 1460.2 | 1515.8 | 2331.3 | 4922.9 | 8645.7 | 8254.4 |
| 1972 | 5448.9 | 5516.6 | 5840.5 | 6460.9 | 4748.5 | 3010.1 | 3218.1 | 5456.9 | 7813.4 | 9169.2 | 10397.8 | 12605.9 |
| 1973 | 11957.5 | 9649.8 | 5994.5 | 2594.0 | 1493.8 | 1868.5 | 2118.3 | 2729.3 | 4217.8 | 7107.7 | 9531.3 | 10048.1 |
| 1974 | 7939.1 | 4016.2 | 1760.9 | 1246.5 | 1340.3 | 894.5 | 947.4 | 1320.3 | 2635.4 | 5166.1 | 8581.6 | 7946.6 |
| 1975 | 5529.2 | 5440.0 | 5773.9 | 7181.5 | 4271.9 | 1602.3 | 1530.3 | 1606.1 | 1755.0 | 4225.2 | 8300.0 | 8169.8 |
| 1976 | 5347.7 | 5344.0 | 5622.7 | 7633.6 | 7456.7 | 7327.7 | 7709.0 | 9573.8 | 12422.4 | 13948.0 | 14373.6 | 15455.4 |
| 1977 | 14250.0 | 13441.7 | 13000.9 | 11013.6 | 8488.3 | 9908.9 | 10827.8 | 12054.2 | 14260.8 | 15539.0 | 16383.7 | 17056.3 |
| 1978 | 14922.9 | 13701.1 | 11544.7 | 4713.3 | 2513.9 | 2492.8 | 2177.6 | 2403.4 | 3742.1 | 6414.9 | 9709.6 | 10724.6 |
| 1979 | 8221.9 | 7808.8 | 7928.5 | 6928.1 | 3486.9 | 2531.8 | 2924.2 | 3241.6 | 4773.7 | 8332.0 | 10900.9 | 13314.6 |
| 1980 | 12155.2 | 10830.5 | 8647.9 | 3850.7 | 2019.1 | 2054.8 | 2280.5 | 2808.9 | 4026.0 | 6382.9 | 9579.6 | 10399.5 |
| 1981 | 8022.4 | 7450.6 | 7570.5 | 6442.8 | 3958.1 | 3198.4 | 3849.6 | 5543.4 | 7990.6 | 10485.6 | 12319.0 | 13973.0 |
| 1982 | 12997.2 | 7981.9 | 3123.9 | 2002.3 | 1602.3 | 1244.8 | 1198.2 | 1144.3 | 1679.9 | 4214.4 | 8708.6 | 8418.9 |
| 1983 | 5123.5 | 2914.0 | 1504.6 | 1021.4 | 962.8 | 856.5 | 1007.2 | 827.7 | 698.3 | 848.9 | 1953.7 | 2718.8 |
| 1984 | 3238.8 | 1932.1 | 853.4 | 776.3 | 781.6 | 807.6 | 1510.9 | 3213.2 | 5652.5 | 7536.9 | 8817.3 | 8293.3 |
| 1985 | 5620.4 | 4882.8 | 4180.6 | 5098.6 | 4975.3 | 5054.7 | 5234.6 | 5586.5 | 7869.1 | 10298.4 | 12257.7 | 13929.9 |
| 1986 | 12086.7 | 11711.6 | 10005.9 | 5996.4 | 2121.9 | 1860.2 | 1953.3 | 2517.2 | 4296.2 | 7114.4 | 9688.7 | 8892.8 |
| 1987 | 5961.6 | 6154.2 | 6802.0 | 7919.9 | 5968.5 | 3802.1 | 4590.3 | 7638.4 | 9353.8 | 11104.6 | 12947.0 | 14324.0 |
| 1988 | 13270.5 | 12622.1 | 10462.4 | 5498.5 | 4064.4 | 6556.5 | 8960.0 | 9379.9 | 10470.8 | 12170.0 | 14050.1 | 15400.9 |
| 1989 | 14365.3 | 13408.1 | 12512.0 | 11128.9 | 9314.7 | 4878.1 | 3116.4 | 4606.4 | 7782.0 | 10892.9 | 12686.4 | 13316.9 |
| 1990 | 11874.9 | 11915.8 | 12307.5 | 9583.8 | 6810.7 | 7439.8 | 8519.0 | 9411.1 | 11563.5 | 13937.5 | 15051.1 | 15853.3 |
| 1991 | 14447.5 | 14087.2 | 14072.1 | 12633.1 | 10244.5 | 6543.8 | 5597.8 | 8311.5 | 11767.1 | 14106.6 | 15130.5 | 16043.7 |
| 1992 | 14739.3 | 14081.0 | 14027.1 | 12784.4 | 7166.1 | 4496.8 | 6075.0 | 8784.3 | 10865.7 | 12460.5 | 14689.9 | 15819.8 |
| 1993 | 14067.8 | 13095.0 | 12193.9 | 5234.5 | 2779.7 | 2693.3 | 2522.8 | 1964.4 | 2408.6 | 4613.3 | 8946.0 | 10008.3 |
| 1994 | 7828.4 | 7585.2 | 7809.9 | 8375.5 | 6134.9 | 5597.6 | 7282.9 | 7799.1 | 10052.5 | 12860.7 | 14112.7 | 15260.2 |
| 1995 | 13143.3 | 11658.3 | 11552.0 | 4366.9 | 3016.8 | 1717.9 | 2284.1 | 1538.3 | 1453.1 | 1868.6 | 4264.9 | 6077.1 |
| 1996 | 5202.7 | 5096.3 | 4783.9 | 2722.3 | 1171.3 | 1250.4 | 1274.2 | 978.6 | 2193.4 | 6076.1 | 9273.5 | 8190.9 |
| 1997 | 5513.3 | 5449.9 | 2118.3 | 1032.1 | 1306.7 | 1547.9 | 2340.0 | 3381.4 | 5542.8 | 7479.5 | 8783.2 | 8126.3 |
| 1998 | 5826.0 | 5705.8 | 5293.4 | 3405.6 | 1291.8 | 1401.4 | 1203.4 | 891.8 | 745.7 | 1065.6 | 2693.2 | 3988.7 |
| 1999 | 4090.6 | 4064.2 | 2425.0 | 1296.8 | 873.6 | 705.4 | 926.9 | 1580.7 | 3393.4 | 6049.9 | 8965.4 | 8293.7 |
| 2000 | 5352.4 | 5291.7 | 5851.0 | 5416.3 | 1826.4 | 1381.5 | 1501.2 | 2355.9 | 4996.8 | 7569.0 | 8961.1 | 9863.2 |
| 2001 | 7734.4 | 7186.9 | 7316.9 | 7525.3 | 4109.7 | 2666.2 | 3425.4 | 5925.1 | 8138.7 | 10429.3 | 12337.5 | 14113.0 |
| 2002 | 12795.0 | 11869.3 | 7306.8 | 2939.7 | 2894.3 | 3896.9 | 3898.4 | 4598.7 | 7419.6 | 10996.6 | 12510.6 | 14264.8 |
| 2003 | 12796.0 | 12175.8 | 6864.3 | 3103.8 | 2388.4 | 3218.9 | 2702.8 | 1805.0 | 3379.6 | 7003.7 | 9046.5 | 9991.9 |
| | | | | | | | | | | | | |
| Average | 9193.9 | 8381.7 | 7128.9 | 5316.1 | 3657.6 | 3148.7 | 3479.2 | 4320.3 | 6000.3 | 8238.0 | 10395.6 | 11097.0 |
| Critical | 11679.8 | 11296.7 | 11043.2 | 9646.1 | 7195.1 | 6838.7 | 7853.1 | 9330.6 | 11629.0 | 13574.6 | 14827.4 | 15841.4 |
| Dry | 9083.2 | 8492.0 | 7614.8 | 6842.5 | 5203.4 | 3916.0 | 4019.1 | 5649.8 | 8092.3 | 10701.2 | 12509.7 | 13986.9 |
| BN | 6835.4 | 6662.7 | 6884.5 | 6694.5 | 4117.7 | 2771.0 | 3071.1 | 4349.3 | 6293.5 | 10649.3 | 12960.3 | 12960.3 |
| AN | 11875.3 | 10790.6 | 8516.1 | 4152.1 | 2170.2 | 2285.0 | 2217.2 | 2344.5 | 3795.2 | 6515.3 | 9295.7 | 10172.6 |
| Wet | 7031.9 | 5913.9 | 4194.4 | 2605.1 | 1655.1 | 1264.5 | 1520.0 | 1916.3 | 2976.6 | 4943.9 | 7502.1 | 7348.5 |

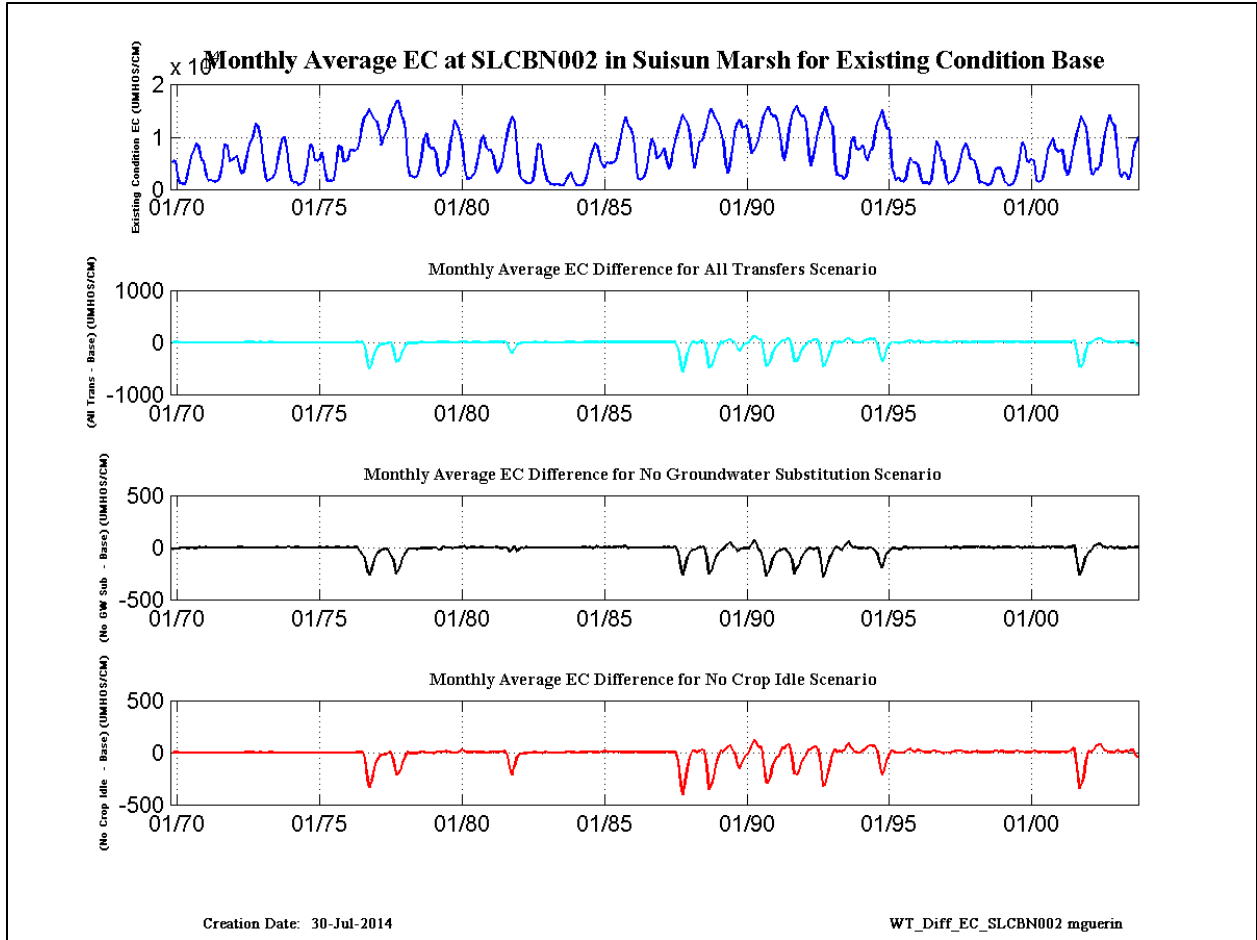


Figure 1-18. Suisun Marsh location SLCBN002 EC for the Base condition and change from Base for the scenarios.

Table 1-98. San Joaquin River location RSAN037 salinity (EC, UMHOS/CM) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|-------|------|------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -10.2 | -6.2 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | 24.1 | -32.5 | -49.2 |
| 1977 | -35.3 | -15.6 | -15.2 | -13.9 | -3.7 | 0.0 | 0.7 | 0.7 | 2.9 | -13.7 | -22.4 | -37.0 |
| 1978 | -32.4 | -11.8 | -8.0 | 0.5 | 0.9 | 0.5 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.1 | 0.3 | 0.4 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.5 | 3.7 | 0.4 | -2.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.2 | 0.2 | 0.1 | 0.0 | 0.2 | 0.5 | 0.4 | -3.6 | 19.9 | 3.9 |
| 1982 | -17.5 | -9.8 | -0.4 | 0.3 | -6.9 | -1.8 | 0.2 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.2 | 0.0 | 0.4 | 0.2 | 0.1 | -0.2 | 0.2 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | -0.2 | -0.3 | -0.5 |
| 1986 | -0.2 | -0.5 | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.2 | 0.1 | 0.0 | 1.1 | 1.7 | 1.0 | 9.9 | -0.1 | -26.4 |
| 1988 | -22.8 | -12.4 | -8.1 | 0.2 | 0.3 | 2.2 | 1.8 | 1.9 | 1.5 | 19.1 | 0.5 | -36.1 |
| 1989 | -34.4 | -18.1 | -5.3 | 5.9 | 1.6 | 2.2 | 1.0 | 1.8 | 0.6 | -0.7 | 9.9 | -3.7 |
| 1990 | -9.6 | -7.8 | -7.3 | -4.0 | 0.7 | 1.5 | 1.3 | 0.8 | 2.0 | 43.6 | 2.9 | -35.6 |
| 1991 | -33.7 | -16.7 | -14.1 | -8.9 | -1.1 | 0.8 | 0.9 | 1.0 | 3.6 | 36.3 | 1.4 | -29.1 |
| 1992 | -27.7 | -13.0 | -11.3 | -12.7 | -1.5 | 0.8 | 0.5 | 1.4 | 1.1 | 19.9 | 2.2 | -30.5 |
| 1993 | -23.9 | -9.5 | -2.7 | 2.8 | 1.5 | 1.0 | 0.6 | 0.8 | -12.2 | -2.1 | 0.7 | 0.3 |
| 1994 | 0.1 | 0.0 | -0.1 | 1.3 | 1.8 | 0.8 | 0.6 | 0.4 | 1.0 | -11.5 | -1.6 | 23.1 |
| 1995 | -5.5 | -3.2 | -4.6 | 1.2 | 0.7 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | -0.1 | 0.1 | 0.3 | 0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.3 | -0.2 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | -0.7 |
| 1998 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | -0.1 | 0.0 | 0.3 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.3 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.6 | -0.3 | 0.1 | 0.1 | 0.7 | 1.0 | 1.2 | 20.2 | 10.7 | -17.2 |
| 2002 | -18.8 | -5.8 | 1.9 | 0.6 | 0.5 | 0.3 | 0.2 | 0.4 | 0.6 | -0.3 | -0.7 | -1.8 |
| 2003 | -1.0 | -0.9 | 0.4 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 4.8 | 0.5 | -3.1 |
| | | | | | | | | | | | | |
| Average | -7.7 | -3.7 | -2.1 | -0.7 | -0.2 | 0.0 | 0.2 | 0.4 | 0.2 | 4.3 | -0.3 | -7.2 |
| Critical | -18.5 | -9.4 | -8.0 | -5.4 | -0.5 | 0.9 | 0.8 | 0.9 | 2.0 | 16.8 | -7.1 | -27.8 |
| Dry | -8.9 | -4.0 | -0.7 | 1.1 | 0.4 | 0.5 | 0.6 | 0.9 | 0.6 | 4.2 | 6.6 | -7.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -9.6 | -3.6 | -1.1 | 0.7 | 0.1 | -1.4 | -0.8 | 0.1 | -2.0 | 0.5 | 0.2 | -0.5 |
| Wet | -1.8 | -1.0 | -0.4 | 0.2 | -0.4 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-99. San Joaquin River location RSAN037 salinity (EC, UMHOS/CM) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -3.4 | -2.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.8 | -6.2 | -10.0 |
| 1977 | -6.3 | -2.9 | -2.3 | -1.9 | -0.9 | 0.0 | 0.2 | 0.2 | 0.8 | -3.2 | -4.4 | -5.6 |
| 1978 | -5.3 | -2.2 | -1.4 | 0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.7 | 0.1 | -0.6 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -1.1 | 4.4 | 0.7 |
| 1982 | -3.1 | -2.1 | -0.2 | 0.1 | -2.5 | -0.6 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.4 | 3.7 | 0.0 | -6.6 |
| 1988 | -4.8 | -2.7 | -1.6 | 0.1 | 0.1 | 0.7 | 0.6 | 0.6 | 0.6 | 6.7 | 0.1 | -7.8 |
| 1989 | -5.9 | -3.3 | -0.8 | 0.8 | 0.3 | 0.6 | 0.4 | 0.7 | 0.3 | -0.2 | 1.9 | -0.8 |
| 1990 | -2.2 | -1.6 | -1.3 | -0.8 | 0.2 | 0.6 | 0.5 | 0.3 | 0.7 | 9.8 | 0.5 | -6.8 |
| 1991 | -5.6 | -2.7 | -2.0 | -1.4 | -0.2 | 0.2 | 0.3 | 0.3 | 1.3 | 7.6 | 0.3 | -5.8 |
| 1992 | -4.8 | -2.3 | -1.7 | -1.9 | -0.3 | 0.2 | 0.2 | 0.5 | 0.4 | 6.7 | 0.5 | -5.9 |
| 1993 | -4.8 | -2.0 | -0.5 | 0.6 | 0.4 | 0.3 | 0.2 | 0.3 | -4.7 | -1.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.3 | 0.2 | 0.2 | 0.4 | -2.2 | -0.3 | 4.2 |
| 1995 | -1.1 | -0.8 | -0.8 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.2 | 0.3 | 0.5 | 7.7 | 3.3 | -4.4 |
| 2002 | -4.1 | -1.3 | 0.5 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | -0.1 | -0.2 | -0.3 |
| 2003 | -0.2 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 2.2 | 0.2 | -1.0 |
| | | | | | | | | | | | | |
| Average | -1.4 | -0.7 | -0.3 | -0.1 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 1.2 | 0.0 | -1.5 |
| Critical | -3.4 | -1.7 | -1.3 | -0.8 | -0.1 | 0.3 | 0.3 | 0.3 | 0.7 | 4.3 | -1.4 | -5.4 |
| Dry | -1.7 | -0.7 | -0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 1.7 | 1.6 | -1.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.7 | -0.7 | -0.2 | 0.2 | 0.0 | -0.5 | -0.3 | 0.1 | -0.8 | 0.2 | 0.1 | -0.1 |
| Wet | -0.3 | -0.2 | -0.1 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-100. RSAN072 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|------|------|------|-------|-------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.2 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.1 | -20.9 | -1.5 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -3.2 | 0.3 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.1 | 0.2 | 0.2 | 0.4 | 0.0 | 0.4 | 0.0 | -0.2 | 0.2 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | 0.3 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.3 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | -0.4 | 0.5 | -0.3 |
| 1988 | -0.4 | 0.3 | 0.0 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | -0.5 | 0.1 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.3 | 0.0 | 0.5 | -0.6 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | -0.3 | -22.6 | -5.0 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.1 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -31.4 | -6.4 | 0.1 |
| 1992 | -0.2 | 0.4 | 0.1 | 0.1 | -0.1 | 0.1 | -8.7 | -1.6 | 0.2 | -84.0 | -34.3 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 17.7 | 1.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.4 | 0.0 | 0.2 | 0.3 | -0.4 | -0.4 | 0.3 | -1.9 | -0.3 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.1 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 2.9 | -0.2 | -0.4 | -0.8 | 0.0 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.4 | 0.0 | 0.2 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -1.4 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 | -0.1 | 0.0 | 0.6 | -4.2 | -1.4 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.2 | -0.3 | 0.0 | -20.2 | -6.7 | 0.1 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.1 | -0.2 | 0.0 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | -3.4 | 0.0 | 0.1 | 3.0 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-101. RSAN072 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -5.9 | -0.4 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -3.4 | -0.8 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.5 | -0.9 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.2 | 0.0 | -12.2 | -4.5 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.6 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.3 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | -0.6 | -0.2 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -2.9 | -0.9 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-102. San Joaquin River location RSAN112 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|-------|------|------|------|------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | -0.4 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.4 | 0.1 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.3 | 0.2 | 0.2 | 0.3 | -0.4 | 0.4 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.4 | 0.0 | 0.2 | -0.3 | 0.2 | -21.8 | -0.9 | 0.4 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.3 | -0.3 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.0 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.1 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | 0.2 | 0.4 | -0.1 | 0.0 | -0.4 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.3 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | 0.0 | -0.2 |
| 1982 | 0.4 | -0.4 | 0.4 | 0.0 | -14.5 | -0.9 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.4 |
| 1983 | -0.4 | 0.1 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.4 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.4 | 0.3 | 0.3 | -0.2 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.4 | 0.2 | -0.2 | 0.4 | 0.0 | -0.5 | -0.4 | -0.4 | 0.4 |
| 1986 | 0.5 | 0.0 | 0.5 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.4 | 0.1 | -0.2 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.3 | 0.1 | -0.5 | 0.4 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.0 | -0.4 | -0.4 | 0.3 | -0.4 | 0.3 | 0.1 | 0.3 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.3 | 0.3 | -0.2 | -0.4 | 0.1 | -0.4 | 0.2 | 0.4 | 0.1 |
| 1991 | -0.2 | 0.3 | -0.4 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -0.4 | -0.5 | 0.2 |
| 1992 | -0.2 | 0.5 | -0.1 | 0.4 | -0.2 | 0.1 | -10.1 | -0.1 | 0.2 | 0.5 | 0.3 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 19.8 | 0.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.5 | -0.5 | 0.3 | 0.3 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.5 | 0.3 | 0.1 | 0.1 | 0.3 | -0.2 | 0.3 | -0.5 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.4 | 0.4 | -0.1 | 0.2 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.5 | -0.1 | 0.1 | -0.5 | 0.4 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | -0.1 | 0.5 | 0.3 | 0.5 | -0.3 | 0.1 | -0.1 |
| 2000 | 0.2 | -0.4 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 3.0 | -0.3 | -0.4 | -0.5 | -0.3 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | -0.1 | -0.4 | -0.1 | 0.3 | -0.1 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.6 | -0.1 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.4 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.8 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 |
| BN | 0.2 | 0.0 | 0.2 | -0.2 | 0.3 | 0.1 | 0.4 | -0.1 | 0.3 | 0.3 | -0.2 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | -0.1 | 0.2 | -3.5 | 0.1 | 0.1 | 3.4 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-103. San Joaquin River location RSAN112 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -6.4 | -0.3 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -5.0 | -0.3 | 0.2 | -0.3 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.9 | 0.1 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.3 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-104. Mokelumne River location RSMKL008 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | -0.6 | -2.9 | -1.8 |
| 1977 | 0.0 | 0.2 | 0.0 | 0.1 | 0.3 | 0.4 | 0.3 | 0.4 | 0.2 | -3.6 | -0.9 | -1.2 |
| 1978 | 0.0 | 0.2 | 0.1 | 0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.9 | 0.0 |
| 1982 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | -1.1 | -3.3 | -1.2 |
| 1988 | 0.2 | 0.2 | 0.2 | 0.6 | 0.1 | 0.7 | 0.3 | 0.6 | 0.2 | -2.1 | -2.4 | -1.8 |
| 1989 | 0.2 | 0.1 | 0.2 | 0.4 | 0.6 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | -0.4 | 0.0 |
| 1990 | 0.1 | 0.1 | 0.2 | 0.1 | 0.6 | 0.3 | 0.0 | 0.2 | 0.2 | -1.8 | -1.1 | -1.4 |
| 1991 | 0.0 | 0.4 | 0.4 | 1.0 | 0.6 | 0.7 | 0.3 | 0.3 | 0.2 | -1.4 | -0.9 | -1.3 |
| 1992 | 0.1 | 0.3 | 0.6 | 0.4 | 1.0 | 0.4 | 0.3 | 0.5 | 0.2 | -1.7 | -1.3 | -0.8 |
| 1993 | -0.1 | 0.4 | 0.3 | 1.0 | 0.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.1 | 0.2 | 0.1 | -0.1 | -1.4 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.1 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | -1.8 | -1.6 | -1.1 |
| 2002 | 0.1 | 0.2 | 0.1 | 0.3 | 0.4 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -0.4 | -0.5 | -0.3 |
| Critical | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.2 | 0.3 | 0.2 | -1.6 | -1.6 | -1.2 |
| Dry | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | -0.5 | -1.0 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-105. Mokelumne River location RSMKL008 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -1.6 | -1.0 |
| 1977 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | -1.9 | -0.5 | -0.6 |
| 1978 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -0.6 | -1.7 | -0.6 |
| 1988 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.3 | 0.2 | 0.3 | 0.1 | -1.1 | -1.3 | -0.9 |
| 1989 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1990 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | -1.0 | -0.6 | -0.7 |
| 1991 | 0.0 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 | 0.1 | 0.2 | 0.1 | -0.7 | -0.5 | -0.7 |
| 1992 | 0.0 | 0.2 | 0.3 | 0.2 | 0.4 | 0.2 | 0.1 | 0.3 | 0.1 | -0.9 | -0.7 | -0.4 |
| 1993 | -0.1 | 0.2 | 0.1 | 0.4 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.8 | -0.2 |
| 1995 | 0.1 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.0 | -0.9 | -0.6 |
| 2002 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | -0.2 | -0.3 | -0.2 |
| Critical | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | -0.8 | -0.8 | -0.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.3 | -0.6 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-106. Barker Slough location SLBAR002 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.8 | -2.1 |
| 1977 | -1.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | -0.1 | -2.0 | -1.2 |
| 1978 | -2.0 | -1.4 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -2.1 |
| 1988 | -1.4 | -0.6 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -1.1 | -1.8 |
| 1989 | -1.9 | -0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | -0.7 | -0.9 |
| 1991 | -1.1 | -0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | -0.6 | -0.8 |
| 1992 | -1.1 | -0.1 | 0.3 | 0.3 | 0.2 | 0.4 | 0.2 | 0.2 | 0.1 | -0.1 | -0.9 | -1.0 |
| 1993 | -0.8 | -0.4 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.3 | -0.7 |
| 1995 | -0.3 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.7 | -1.0 |
| 2002 | -0.8 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 |
| Critical | -0.8 | -0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | -0.9 | -1.2 |
| Dry | -0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-107. Barker Slough location SLBAR002 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -1.1 |
| 1977 | -0.9 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.0 | -0.6 |
| 1978 | -1.0 | -0.7 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -1.0 |
| 1988 | -0.7 | -0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -0.9 |
| 1989 | -0.9 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.3 | -0.5 |
| 1991 | -0.6 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.3 | -0.4 |
| 1992 | -0.5 | -0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | -0.5 | -0.5 |
| 1993 | -0.4 | -0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 |
| 1995 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 |
| 2002 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| Critical | -0.4 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.5 | -0.6 |
| Dry | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-108. Suisun Marsh location SLCBN002 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|-------|-------|-------|-------|-------|------|--------|--------|--------|
| 1970 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.0 | -1.1 | -0.4 | -0.2 | -0.1 | -0.1 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -0.9 | 4.4 | -79.7 | -377.5 | -509.9 |
| 1977 | -392.4 | -213.5 | -122.2 | -69.8 | -37.2 | -35.0 | -23.6 | -11.7 | 7.8 | -134.3 | -378.0 | -363.8 |
| 1978 | -296.1 | -166.4 | -68.8 | -14.7 | -14.9 | -19.5 | -16.9 | -14.5 | -4.5 | 5.2 | -4.7 | -8.6 |
| 1979 | -9.2 | -8.9 | -9.7 | -0.6 | 3.0 | 1.3 | 3.4 | 7.2 | 5.0 | -1.3 | -2.9 | -3.4 |
| 1980 | -2.9 | 5.2 | 23.0 | 7.3 | 1.3 | -1.4 | -0.2 | 4.0 | 3.5 | 0.4 | -0.5 | -0.9 |
| 1981 | -1.1 | -1.0 | 0.4 | 5.0 | 3.3 | 2.9 | 6.6 | 9.4 | 12.0 | -30.2 | -152.5 | -216.8 |
| 1982 | -140.5 | -55.6 | -22.4 | -15.5 | -6.1 | -5.5 | -5.3 | -4.9 | -0.3 | 0.6 | -2.3 | -2.6 |
| 1983 | -6.5 | 5.9 | -0.5 | -1.8 | -1.5 | -1.6 | -2.6 | -1.5 | -1.3 | -0.6 | 2.4 | 6.1 |
| 1984 | 3.7 | 2.1 | -0.2 | -0.5 | -0.1 | 0.0 | 1.4 | 5.4 | 6.1 | 2.3 | 0.8 | 0.2 |
| 1985 | -0.3 | 7.8 | 13.5 | 9.4 | 7.2 | 6.5 | 4.8 | 7.0 | 6.8 | 2.5 | 2.4 | 1.6 |
| 1986 | 1.4 | 1.1 | 3.4 | 9.3 | 1.6 | 1.3 | 1.4 | 2.6 | 2.4 | 1.1 | 0.7 | 0.5 |
| 1987 | 0.4 | 0.4 | 0.5 | 2.6 | 6.4 | 4.4 | 3.0 | 2.4 | 11.6 | -107.8 | -418.3 | -575.1 |
| 1988 | -402.1 | -211.1 | -73.2 | 0.9 | 4.3 | -11.8 | 9.5 | 22.3 | 18.5 | -185.4 | -485.6 | -462.8 |
| 1989 | -344.2 | -191.4 | -68.4 | 2.3 | -11.1 | 22.8 | 39.6 | 65.3 | 17.5 | -9.9 | -115.7 | -160.4 |
| 1990 | -98.4 | -47.8 | -25.6 | 0.5 | 54.4 | 117.7 | 96.3 | 50.5 | 53.5 | -164.1 | -455.5 | -438.2 |
| 1991 | -352.1 | -185.3 | -108.9 | -63.8 | -17.5 | 38.4 | 29.6 | 62.0 | 74.8 | -110.8 | -369.4 | -362.1 |
| 1992 | -287.4 | -161.7 | -88.9 | -52.7 | 16.2 | 16.1 | 41.0 | 52.9 | 34.0 | -178.5 | -455.3 | -436.5 |
| 1993 | -320.0 | -177.0 | -43.5 | 16.3 | -11.1 | 2.5 | -2.3 | 10.7 | 57.8 | 82.6 | 36.4 | 5.8 |
| 1994 | -4.1 | -5.9 | -6.2 | 13.0 | 35.2 | 51.0 | 64.0 | 59.8 | 61.7 | -20.1 | -257.4 | -376.9 |
| 1995 | -283.3 | -121.4 | -46.5 | 9.8 | -7.0 | -7.5 | -10.5 | -9.8 | -5.0 | 4.2 | 25.4 | 30.7 |
| 1996 | 3.6 | -1.3 | 21.1 | 15.2 | 3.4 | -0.1 | -1.9 | -0.6 | 7.3 | 19.8 | 8.3 | 4.2 |
| 1997 | -2.0 | -6.9 | 3.6 | -5.4 | -6.7 | 7.5 | 11.3 | 16.7 | 16.5 | 8.1 | 3.5 | 2.9 |
| 1998 | -0.7 | 0.1 | 7.0 | 12.4 | 1.6 | 2.2 | 1.2 | 0.8 | 0.7 | 2.0 | 8.8 | 17.2 |
| 1999 | 5.6 | 14.0 | 12.9 | 4.4 | 2.1 | 1.3 | 2.2 | 5.3 | 15.8 | 8.1 | 6.9 | -1.4 |
| 2000 | 2.2 | 1.3 | 0.7 | 17.3 | 9.4 | 3.4 | 4.0 | 7.8 | 7.6 | 4.8 | 1.7 | 1.2 |
| 2001 | 1.0 | 0.9 | 0.9 | 5.6 | 2.2 | 4.5 | 7.3 | 28.2 | 47.6 | -172.1 | -466.3 | -475.3 |
| 2002 | -352.1 | -141.6 | -12.4 | -13.3 | 14.7 | 58.8 | 68.0 | 73.2 | 41.2 | 15.8 | 4.3 | 1.3 |
| 2003 | -1.1 | -3.7 | 21.5 | 3.8 | 1.3 | 7.5 | 10.5 | 4.3 | 23.5 | 27.3 | -32.6 | -51.3 |
| Average | -96.4 | -48.9 | -17.3 | -3.0 | 1.6 | 7.9 | 10.1 | 13.3 | 15.5 | -29.7 | -113.9 | -128.7 |
| Critical | -219.5 | -117.9 | -60.7 | -24.5 | 7.9 | 25.2 | 31.1 | 33.6 | 36.4 | -124.7 | -397.0 | -421.4 |
| Dry | -116.0 | -54.1 | -10.9 | 1.9 | 3.8 | 16.6 | 21.5 | 30.9 | 22.8 | -50.3 | -191.0 | -237.5 |
| BN | -4.6 | -4.5 | -4.9 | -0.3 | 1.5 | 0.6 | 1.7 | 3.6 | 2.5 | -0.6 | -1.4 | -1.7 |
| AN | -103.0 | -56.8 | -11.2 | 5.0 | -2.3 | -1.0 | -0.6 | 1.9 | 14.6 | 20.0 | 0.0 | -9.0 |
| Wet | -32.2 | -12.5 | -1.7 | 2.1 | -1.0 | -0.2 | -0.2 | 1.1 | 3.2 | 3.5 | 4.2 | 4.4 |

Table 1-109. Suisun Marsh location SLCBN002 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.6 | -3.3 |
| 1977 | -2.8 | -1.6 | -0.9 | -0.6 | -0.4 | -0.4 | -0.2 | -0.1 | 0.1 | -0.9 | -2.3 | -2.1 |
| 1978 | -2.0 | -1.2 | -0.6 | -0.3 | -0.6 | -0.8 | -0.8 | -0.6 | -0.1 | 0.1 | 0.0 | -0.1 |
| 1979 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | -0.3 | -1.2 | -1.6 |
| 1982 | -1.1 | -0.7 | -0.7 | -0.8 | -0.4 | -0.4 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.2 | 0.0 | -0.2 | -0.2 | -0.2 | -0.3 | -0.2 | -0.2 | -0.1 | 0.1 | 0.2 |
| 1984 | 0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -1.0 | -3.2 | -4.0 |
| 1988 | -3.0 | -1.7 | -0.7 | 0.0 | 0.1 | -0.2 | 0.1 | 0.2 | 0.2 | -1.5 | -3.5 | -3.0 |
| 1989 | -2.4 | -1.4 | -0.5 | 0.0 | -0.1 | 0.5 | 1.3 | 1.4 | 0.2 | -0.1 | -0.9 | -1.2 |
| 1990 | -0.8 | -0.4 | -0.2 | 0.0 | 0.8 | 1.6 | 1.1 | 0.5 | 0.5 | -1.2 | -3.0 | -2.8 |
| 1991 | -2.4 | -1.3 | -0.8 | -0.5 | -0.2 | 0.6 | 0.5 | 0.7 | 0.6 | -0.8 | -2.4 | -2.3 |
| 1992 | -1.9 | -1.1 | -0.6 | -0.4 | 0.2 | 0.4 | 0.7 | 0.6 | 0.3 | -1.4 | -3.1 | -2.8 |
| 1993 | -2.3 | -1.4 | -0.4 | 0.3 | -0.4 | 0.1 | -0.1 | 0.5 | 2.4 | 1.8 | 0.4 | 0.1 |
| 1994 | -0.1 | -0.1 | -0.1 | 0.2 | 0.6 | 0.9 | 0.9 | 0.8 | 0.6 | -0.2 | -1.8 | -2.5 |
| 1995 | -2.2 | -1.0 | -0.4 | 0.2 | -0.2 | -0.4 | -0.5 | -0.6 | -0.3 | 0.2 | 0.6 | 0.5 |
| 1996 | 0.1 | 0.0 | 0.4 | 0.6 | 0.3 | 0.0 | -0.1 | -0.1 | 0.3 | 0.3 | 0.1 | 0.1 |
| 1997 | 0.0 | -0.1 | 0.2 | -0.5 | -0.5 | 0.5 | 0.5 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.4 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 |
| 1999 | 0.1 | 0.3 | 0.5 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.2 | 0.3 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.5 | 0.6 | -1.7 | -3.8 | -3.4 |
| 2002 | -2.8 | -1.2 | -0.2 | -0.5 | 0.5 | 1.5 | 1.7 | 1.6 | 0.6 | 0.1 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.3 | 0.1 | 0.1 | 0.2 | 0.4 | 0.2 | 0.7 | 0.4 | -0.4 | -0.5 |
| | | | | | | | | | | | | |
| Average | -0.7 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | -0.2 | -0.8 | -0.8 |
| Critical | -1.6 | -0.9 | -0.5 | -0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.3 | -0.9 | -2.7 | -2.7 |
| Dry | -0.9 | -0.4 | -0.1 | 0.0 | 0.1 | 0.4 | 0.6 | 0.6 | 0.3 | -0.5 | -1.5 | -1.7 |
| BN | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.4 | -0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.5 | 0.4 | 0.0 | -0.1 |
| Wet | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |

Table 1-110. San Joaquin River location RSAN037 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -2.8 | 25.4 | -9.8 | -26.2 |
| 1977 | -17.1 | -7.3 | -5.0 | -3.1 | -0.9 | -0.3 | -0.1 | -1.4 | -3.1 | -11.8 | -12.2 | -16.8 |
| 1978 | -16.7 | -6.5 | -4.0 | 0.1 | 0.6 | 0.3 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -16.0 | 9.5 | 10.2 |
| 1982 | -7.2 | -6.0 | -0.5 | 0.3 | -7.0 | -1.8 | 0.2 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.2 | 0.0 | 0.4 | 0.2 | 0.1 | -0.2 | 0.2 | -0.1 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 6.0 | 0.6 | -12.5 |
| 1988 | -9.1 | -4.8 | -3.3 | -0.6 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 10.3 | 3.4 | -14.6 |
| 1989 | -14.0 | -6.2 | -3.7 | -2.4 | -0.9 | 0.3 | 0.5 | 0.3 | 0.1 | -2.5 | 2.6 | 2.3 |
| 1990 | -0.8 | -0.2 | -0.2 | -0.2 | 0.5 | 0.9 | 0.6 | -0.2 | -0.5 | 26.3 | 6.8 | -15.1 |
| 1991 | -14.9 | -7.8 | -5.1 | -2.9 | -1.0 | -0.2 | 0.0 | -0.4 | -0.8 | 23.0 | 5.4 | -12.4 |
| 1992 | -12.5 | -6.0 | -4.1 | -2.6 | -0.3 | 0.1 | 0.0 | 0.1 | 0.6 | 8.8 | 0.1 | -11.6 |
| 1993 | -8.4 | -3.7 | -3.5 | 0.5 | 1.0 | 0.3 | 0.1 | 0.5 | -12.4 | -2.2 | 0.5 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -17.6 | -5.8 | 16.1 |
| 1995 | -0.9 | -1.0 | -2.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.3 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.1 | 0.0 | 0.3 | 0.2 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 9.5 | 5.7 | -5.8 |
| 2002 | -6.5 | -3.2 | -2.4 | -0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 1.7 | -2.5 | -3.5 |
| Average | -3.2 | -1.6 | -1.0 | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | -0.5 | 1.8 | 0.1 | -2.6 |
| Critical | -7.8 | -3.7 | -2.5 | -1.3 | -0.3 | 0.1 | 0.1 | -0.5 | -1.0 | 9.2 | -1.7 | -11.5 |
| Dry | -3.4 | -1.6 | -1.0 | -0.4 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.5 | 3.1 | -1.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -4.2 | -1.7 | -1.3 | 0.1 | 0.3 | 0.1 | 0.1 | 0.2 | -2.0 | -0.1 | -0.3 | -0.5 |
| Wet | -0.6 | -0.6 | -0.2 | 0.0 | -0.5 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-111. San Joaquin River location RSAN037 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.8 | 5.1 | -1.9 | -5.3 |
| 1977 | -3.0 | -1.4 | -0.8 | -0.4 | -0.2 | -0.1 | 0.0 | -0.4 | -0.8 | -2.8 | -2.4 | -2.5 |
| 1978 | -2.7 | -1.2 | -0.7 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.8 | 2.1 | 1.9 |
| 1982 | -1.3 | -1.3 | -0.2 | 0.1 | -2.5 | -0.6 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 0.2 | -3.1 |
| 1988 | -1.9 | -1.0 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.6 | 0.9 | -3.2 |
| 1989 | -2.4 | -1.1 | -0.6 | -0.3 | -0.2 | 0.1 | 0.2 | 0.1 | 0.0 | -0.6 | 0.5 | 0.5 |
| 1990 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.2 | -0.1 | -0.2 | 5.9 | 1.3 | -2.9 |
| 1991 | -2.5 | -1.3 | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | -0.2 | -0.3 | 4.8 | 1.0 | -2.5 |
| 1992 | -2.2 | -1.0 | -0.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 2.9 | 0.0 | -2.2 |
| 1993 | -1.7 | -0.8 | -0.6 | 0.1 | 0.3 | 0.1 | 0.0 | 0.2 | -4.8 | -1.1 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -3.4 | -1.0 | 2.9 |
| 1995 | -0.2 | -0.3 | -0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.6 | 1.7 | -1.5 |
| 2002 | -1.4 | -0.7 | -0.7 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | -0.8 | -1.1 |
| Average | -0.6 | -0.3 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.5 | 0.0 | -0.6 |
| Critical | -1.4 | -0.7 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.3 | 2.3 | -0.3 | -2.2 |
| Dry | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.8 | -0.1 | -0.1 | -0.2 |
| Wet | -0.1 | -0.1 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-112. RSAN072 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|-------|-------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.2 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.2 | 0.4 | -0.1 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -2.9 | 0.0 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | -0.3 | 0.4 | 0.0 | -25.2 | -3.1 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.3 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | -0.1 | 0.1 | -0.4 |
| 1988 | -0.4 | 0.3 | 0.0 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | 0.8 | 0.4 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.2 | 0.1 | 0.4 | -0.2 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | -0.3 | -12.4 | -2.7 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -19.7 | -3.9 | 0.1 |
| 1992 | -0.2 | 0.4 | 0.0 | 0.3 | -0.1 | 0.1 | -0.4 | 0.1 | 0.1 | -43.0 | -29.1 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 17.7 | 1.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.4 | 0.0 | 0.2 | 0.3 | -0.4 | -0.4 | 1.9 | -0.1 | -0.3 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.1 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 0.1 | -0.4 | -0.4 | -29.7 | -4.5 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.3 | -0.2 | 0.2 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.6 | 0.1 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.6 | -3.8 | -1.3 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -10.8 | -5.1 | 0.1 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -9.2 | -1.3 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 3.0 | 0.1 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-113. RSAN072 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | -4.0 | -0.5 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -1.9 | -0.4 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.8 | -0.6 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.2 | -3.8 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.6 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.3 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -4.5 | -0.7 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -0.2 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | -0.7 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.2 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-114. San Joaquin River location RSAN112 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|--------|------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | -0.4 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.4 | 0.1 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.3 | 0.2 | 0.2 | 0.3 | -0.4 | 0.4 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.4 | 0.0 | 0.2 | -0.3 | 0.2 | 0.4 | -0.2 | 0.4 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.3 | -0.3 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.0 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.1 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | 0.2 | 0.4 | -0.1 | 0.0 | -0.4 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.3 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | -0.3 | 0.4 | 0.0 | -25.3 | -0.9 | -0.2 |
| 1982 | 0.4 | -0.4 | 0.4 | 0.0 | -14.5 | -0.9 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.4 |
| 1983 | -0.4 | 0.1 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.4 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.4 | 0.3 | 0.3 | -0.2 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.4 | 0.2 | -0.2 | 0.4 | 0.0 | -0.5 | -0.4 | -0.4 | 0.4 |
| 1986 | 0.5 | 0.0 | 0.5 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.4 | 0.1 | -0.2 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.3 | 0.1 | -0.5 | 0.4 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.0 | -0.4 | -0.4 | 0.3 | -0.4 | 0.3 | 0.1 | 0.3 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.3 | 0.3 | -0.2 | -0.4 | 0.1 | -0.4 | 0.2 | 0.4 | 0.1 |
| 1991 | -0.2 | 0.3 | -0.4 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -0.4 | -0.5 | 0.2 |
| 1992 | -0.2 | 0.5 | -0.1 | 0.4 | -0.2 | 0.1 | -0.4 | 0.2 | 0.2 | -143.5 | -4.8 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 19.8 | 0.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.5 | -0.5 | 0.3 | 0.3 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.5 | 0.3 | 0.1 | 0.1 | 0.3 | -0.2 | 0.3 | -0.5 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.4 | 0.4 | -0.1 | 0.2 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.5 | -0.1 | 0.1 | -0.5 | 0.4 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | -0.1 | 0.5 | 0.3 | 0.5 | -0.3 | 0.1 | -0.1 |
| 2000 | 0.2 | -0.4 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 0.1 | -0.4 | -0.4 | -34.3 | -1.4 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | -0.1 | -0.4 | -0.1 | 0.3 | -0.1 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.1 | 0.0 | 0.7 | -6.0 | -0.2 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -20.6 | -0.7 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -10.0 | -0.5 | -0.1 |
| BN | 0.2 | 0.0 | 0.2 | -0.2 | 0.3 | 0.1 | 0.4 | -0.1 | 0.3 | 0.3 | -0.2 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | -0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 3.4 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-115. San Joaquin River location RSAN112 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | -4.1 | -0.1 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -5.0 | -0.3 | 0.2 | -0.3 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -19.1 | -0.6 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.9 | 0.1 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.3 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -5.2 | -0.2 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-116. Mokelumne River location RSMKL008 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | -0.5 | -1.5 | -1.0 |
| 1977 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.1 | -2.5 | -0.6 | -0.8 |
| 1978 | -0.1 | 0.0 | -0.1 | 0.3 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -0.5 | 0.1 |
| 1982 | 0.0 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.1 | -0.7 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.2 | -1.3 | -1.1 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | -0.4 | 0.1 | -1.1 | -0.7 | -0.9 |
| 1991 | -0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | -0.9 | -0.6 | -0.8 |
| 1992 | -0.1 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.7 | -0.5 |
| 1993 | -0.1 | 0.0 | 0.0 | 0.5 | 0.5 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | -0.8 | -0.2 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.8 | -0.6 |
| 2002 | -0.1 | 0.0 | -0.2 | 0.1 | 0.2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.3 | -0.3 | -0.2 |
| Critical | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.3 | 0.0 | -1.0 | -0.9 | -0.8 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.6 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-117. Mokelumne River location RSMKL008 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|-----|-----|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | -0.3 | -0.8 | -0.5 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | -1.3 | -0.3 | -0.4 |
| 1978 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | 0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.1 | -0.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.7 | -0.6 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | -0.2 | 0.1 | -0.6 | -0.4 | -0.5 |
| 1991 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | -0.3 | -0.4 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.4 | -0.3 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.4 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.4 | -0.3 |
| 2002 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | -0.5 | -0.5 | -0.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-118. Barker Slough location SLBAR002 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|
| 1970 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.5 | -1.2 |
| 1977 | -1.1 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -1.5 | -0.8 |
| 1978 | -1.4 | -1.0 | -0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1982 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -1.3 |
| 1988 | -0.9 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -1.0 |
| 1989 | -1.2 | -0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | -0.1 | 0.0 | -0.4 | -0.6 |
| 1991 | -0.8 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.4 | -0.5 |
| 1992 | -0.8 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -0.6 |
| 1993 | -0.5 | -0.2 | -0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.4 |
| 1995 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 |
| 2002 | -0.5 | -0.1 | -0.1 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| Critical | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.6 | -0.7 |
| Dry | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-119. Barker Slough location SLBAR002 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.3 | -0.6 |
| 1977 | -0.6 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.8 | -0.4 |
| 1978 | -0.7 | -0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 |
| 1988 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.5 |
| 1989 | -0.6 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 1991 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 1992 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 |
| 1993 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 2002 | -0.2 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| Critical | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 |
| Dry | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-120. Suisun Marsh location SLCBN002 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1970 | -18.8 | -10.9 | -11.2 | -7.7 | -0.8 | -1.8 | -5.4 | -5.1 | -3.6 | -6.8 | -5.7 | 0.2 |
| 1971 | -1.5 | -2.8 | 0.1 | -4.2 | -4.4 | -2.1 | -1.3 | -4.7 | -1.3 | -1.2 | -1.3 | -1.7 |
| 1972 | -1.5 | -1.5 | -3.5 | -1.7 | 2.3 | 2.3 | -3.4 | -1.7 | -1.6 | -1.3 | -1.2 | -1.1 |
| 1973 | -0.8 | -0.6 | -0.5 | -0.5 | -0.5 | -0.9 | -0.8 | -1.5 | 0.2 | -0.5 | -0.3 | -0.6 |
| 1974 | -0.3 | 5.4 | -1.3 | -1.3 | 1.3 | 2.5 | -0.1 | -1.1 | -0.3 | -0.3 | -0.4 | -0.4 |
| 1975 | -0.2 | -0.2 | 0.2 | -0.2 | -0.5 | 0.2 | -0.2 | -0.2 | 0.0 | 0.1 | 0.0 | -0.4 |
| 1976 | -0.1 | -0.2 | 0.4 | -0.9 | -1.8 | 2.1 | 3.2 | -38.2 | -75.7 | -101.2 | -236.3 | -265.8 |
| 1977 | -203.4 | -114.1 | -68.1 | -42.3 | -20.7 | -19.0 | -14.8 | -39.5 | -77.9 | -117.0 | -251.7 | -224.2 |
| 1978 | -172.5 | -99.1 | -56.6 | -19.6 | -11.8 | -13.8 | -11.6 | -15.1 | -11.1 | -7.3 | -7.8 | -8.4 |
| 1979 | -7.2 | -6.8 | -3.1 | -1.1 | -21.7 | -23.8 | 10.8 | -0.2 | -3.0 | -2.6 | -11.8 | -1.9 |
| 1980 | -3.4 | 1.2 | -1.8 | 11.7 | -8.1 | -3.5 | 0.7 | 0.3 | -2.8 | -0.8 | 3.0 | 4.2 |
| 1981 | -4.6 | -1.8 | -2.0 | -2.4 | 4.8 | 2.8 | -5.5 | -5.3 | -2.8 | -8.6 | -41.8 | -23.0 |
| 1982 | 6.2 | -38.6 | -16.4 | -3.6 | -13.4 | 0.6 | -4.5 | -1.7 | -0.2 | -1.2 | -1.8 | -1.6 |
| 1983 | -1.2 | -0.9 | -0.8 | -0.7 | -0.7 | -0.7 | -1.4 | -0.5 | -0.7 | -0.5 | -0.5 | -0.4 |
| 1984 | -0.4 | -0.6 | -0.4 | -0.4 | -1.0 | 0.3 | 0.1 | -0.3 | 1.1 | -7.1 | -1.6 | 11.8 |
| 1985 | -4.4 | -0.9 | 1.4 | -1.2 | 0.9 | -2.0 | 0.6 | 0.7 | 8.2 | 4.6 | 14.4 | 12.1 |
| 1986 | -12.1 | -2.1 | -3.0 | -1.8 | -0.8 | -1.1 | -1.3 | -0.9 | -0.5 | -0.7 | -0.6 | -1.0 |
| 1987 | -0.5 | -0.7 | -0.2 | 0.5 | -1.0 | 2.5 | -0.3 | -0.4 | 11.2 | -42.1 | -190.3 | -265.6 |
| 1988 | -187.3 | -98.5 | -49.4 | -25.8 | -20.1 | -13.0 | 0.2 | -4.5 | 5.4 | -96.4 | -255.4 | -228.3 |
| 1989 | -159.9 | -91.6 | -56.9 | -28.8 | -16.4 | 3.2 | 28.7 | 49.8 | 13.6 | -5.1 | -39.4 | -18.2 |
| 1990 | -12.0 | -9.9 | -6.2 | -7.1 | 24.5 | 66.4 | 41.3 | -21.1 | -54.7 | -133.6 | -273.2 | -247.0 |
| 1991 | -194.5 | -104.8 | -67.4 | -41.9 | -25.9 | -16.7 | -6.0 | -41.5 | -63.5 | -117.1 | -250.8 | -201.6 |
| 1992 | -175.0 | -100.6 | -58.2 | -37.3 | -9.2 | -6.8 | -15.7 | -11.2 | -0.3 | -116.4 | -284.6 | -242.9 |
| 1993 | -173.0 | -93.0 | -57.9 | -6.5 | 5.0 | -9.6 | -29.5 | 0.7 | 28.7 | 57.2 | 13.3 | -0.6 |
| 1994 | 3.0 | -5.4 | -6.2 | -5.1 | -11.5 | -9.3 | -3.4 | -14.8 | -27.1 | -60.7 | -162.9 | -195.2 |
| 1995 | -122.1 | -59.8 | -39.5 | -6.2 | -10.0 | -10.9 | -18.0 | -19.7 | 0.4 | 1.8 | -5.7 | 2.5 |
| 1996 | -5.7 | -3.1 | -1.2 | -6.8 | -0.9 | -2.2 | -3.8 | -2.5 | -1.5 | -1.5 | -1.6 | -2.2 |
| 1997 | -1.7 | -1.3 | 0.1 | -4.4 | -6.9 | 3.4 | 0.8 | 0.4 | -8.1 | 1.6 | 1.2 | 2.9 |
| 1998 | 1.0 | 0.9 | 0.5 | 6.7 | -3.2 | 1.9 | 3.2 | -2.1 | 0.7 | -0.7 | -5.4 | -0.3 |
| 1999 | 2.5 | -0.4 | 1.7 | 0.9 | 2.7 | 1.4 | -2.9 | -1.2 | 8.3 | -4.8 | -8.1 | 3.9 |
| 2000 | -2.3 | 0.4 | -2.7 | 4.2 | -3.1 | -4.1 | -2.7 | 3.9 | -3.0 | 7.8 | -7.5 | 6.6 |
| 2001 | 4.4 | 1.8 | 1.9 | 1.7 | -13.3 | -0.9 | 3.1 | 4.4 | 20.1 | -121.7 | -260.3 | -243.9 |
| 2002 | -158.2 | -89.9 | -46.2 | -39.4 | 3.6 | 19.6 | 32.3 | 33.1 | 8.8 | 2.8 | -8.1 | 11.1 |
| 2003 | -1.5 | -7.6 | 1.2 | -5.9 | -7.1 | -5.5 | -11.1 | 8.0 | -0.6 | -1.3 | 4.6 | 4.2 |
| | | | | | | | | | | | | |
| Average | -47.3 | -27.6 | -16.3 | -8.2 | -5.0 | -1.1 | -0.6 | -3.9 | -6.9 | -26.0 | -67.0 | -62.3 |
| Critical | -109.9 | -61.9 | -36.4 | -22.9 | -9.3 | 0.5 | 0.7 | -24.4 | -42.0 | -106.1 | -245.0 | -229.3 |
| Dry | -53.9 | -30.5 | -17.0 | -11.6 | -3.5 | 4.2 | 9.8 | 13.7 | 9.9 | -28.4 | -87.6 | -87.9 |
| BN | -4.4 | -4.2 | -3.3 | -1.4 | -9.7 | -10.7 | 3.7 | -1.0 | -2.3 | -1.9 | -6.5 | -1.5 |
| AN | -58.9 | -33.1 | -19.7 | -2.8 | -4.3 | -6.2 | -9.1 | -0.6 | 1.9 | 9.2 | 0.9 | 0.9 |
| Wet | -11.9 | -8.8 | -5.5 | -2.3 | -3.0 | -0.7 | -2.7 | -3.0 | -0.4 | -1.6 | -2.4 | 1.0 |

Table 1-121. Suisun Marsh location SLCBN002 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | -0.4 | -0.2 | -0.4 | -0.6 | -0.1 | -0.2 | -0.3 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | -0.3 | -0.2 | -0.1 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.1 | -0.1 | -0.1 | 0.1 | 0.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.6 | -0.7 | -1.6 | -1.7 |
| 1977 | -1.4 | -0.8 | -0.5 | -0.4 | -0.2 | -0.2 | -0.1 | -0.3 | -0.5 | -0.8 | -1.5 | -1.3 |
| 1978 | -1.2 | -0.7 | -0.5 | -0.4 | -0.5 | -0.6 | -0.5 | -0.6 | -0.3 | -0.1 | -0.1 | -0.1 |
| 1979 | -0.1 | -0.1 | 0.0 | 0.0 | -0.6 | -0.9 | 0.4 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.3 | -0.4 | -0.2 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.3 | -0.2 |
| 1982 | 0.0 | -0.5 | -0.5 | -0.2 | -0.8 | 0.0 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 |
| 1985 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1986 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.4 | -1.5 | -1.9 |
| 1988 | -1.4 | -0.8 | -0.5 | -0.5 | -0.5 | -0.2 | 0.0 | 0.0 | 0.1 | -0.8 | -1.8 | -1.5 |
| 1989 | -1.1 | -0.7 | -0.5 | -0.3 | -0.2 | 0.1 | 0.9 | 1.1 | 0.2 | 0.0 | -0.3 | -0.1 |
| 1990 | -0.1 | -0.1 | -0.1 | -0.1 | 0.4 | 0.9 | 0.5 | -0.2 | -0.5 | -1.0 | -1.8 | -1.6 |
| 1991 | -1.3 | -0.7 | -0.5 | -0.3 | -0.3 | -0.3 | -0.1 | -0.5 | -0.5 | -0.8 | -1.7 | -1.3 |
| 1992 | -1.2 | -0.7 | -0.4 | -0.3 | -0.1 | -0.2 | -0.3 | -0.1 | 0.0 | -0.9 | -1.9 | -1.5 |
| 1993 | -1.2 | -0.7 | -0.5 | -0.1 | 0.2 | -0.4 | -1.2 | 0.0 | 1.2 | 1.2 | 0.1 | 0.0 |
| 1994 | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | 0.0 | -0.2 | -0.3 | -0.5 | -1.2 | -1.3 |
| 1995 | -0.9 | -0.5 | -0.3 | -0.1 | -0.3 | -0.6 | -0.8 | -1.3 | 0.0 | 0.1 | -0.1 | 0.0 |
| 1996 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | -0.2 | -0.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.4 | -0.5 | 0.2 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.2 | -0.3 | 0.1 | 0.3 | -0.2 | 0.1 | -0.1 | -0.2 | 0.0 |
| 1999 | 0.1 | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | -0.3 | -0.1 | 0.2 | -0.1 | -0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | -0.3 | -0.2 | 0.2 | -0.1 | 0.1 | -0.1 | 0.1 |
| 2001 | 0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.1 | 0.2 | -1.2 | -2.1 | -1.7 |
| 2002 | -1.2 | -0.8 | -0.6 | -1.3 | 0.1 | 0.5 | 0.8 | 0.7 | 0.1 | 0.0 | -0.1 | 0.1 |
| 2003 | 0.0 | -0.1 | 0.0 | -0.2 | -0.3 | -0.2 | -0.4 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.2 | -0.2 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.5 | -0.4 |
| Critical | -0.8 | -0.5 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | -0.3 | -0.3 | -0.8 | -1.7 | -1.4 |
| Dry | -0.4 | -0.2 | -0.2 | -0.3 | 0.0 | 0.1 | 0.3 | 0.3 | 0.1 | -0.3 | -0.7 | -0.6 |
| BN | -0.1 | -0.1 | 0.0 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| AN | -0.4 | -0.2 | -0.2 | -0.1 | -0.2 | -0.3 | -0.4 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 |
| Wet | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-122. San Joaquin River location RSAN037 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|------|-------|------|------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -10.2 | -6.2 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.4 | 28.3 | -17.7 | -39.6 |
| 1977 | -27.8 | -11.9 | -12.4 | -12.1 | -3.2 | 0.2 | 0.8 | 0.7 | 1.9 | -10.1 | -18.2 | -26.5 |
| 1978 | -21.1 | -7.3 | -5.3 | 0.8 | 0.9 | 0.5 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 1979 | 0.0 | 0.0 | -0.1 | 0.3 | 0.4 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.5 | 3.7 | 0.4 | -2.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.2 | 0.2 | 0.1 | 0.0 | 0.2 | 0.5 | 0.4 | -3.2 | 20.1 | 3.6 |
| 1982 | -17.3 | -9.7 | -0.3 | 0.3 | -6.9 | -1.8 | 0.2 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.2 | 0.0 | 0.4 | 0.2 | 0.1 | -0.2 | 0.2 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | -0.2 | -0.3 | -0.5 |
| 1986 | -0.2 | -0.5 | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | -0.2 | 0.1 | 0.0 | 1.1 | 1.6 | 0.8 | 6.3 | -3.0 | -23.3 |
| 1988 | -18.2 | -9.7 | -6.2 | 0.5 | 0.4 | 2.2 | 1.8 | 1.9 | 1.3 | 11.5 | -1.6 | -26.6 |
| 1989 | -25.1 | -13.9 | -2.9 | 7.5 | 2.1 | 2.2 | 1.0 | 1.8 | 0.6 | -0.7 | 9.9 | -3.7 |
| 1990 | -9.6 | -7.8 | -7.3 | -4.0 | 0.7 | 1.5 | 1.3 | 0.8 | 1.5 | 25.0 | -1.5 | -27.2 |
| 1991 | -25.1 | -12.1 | -11.0 | -7.1 | -0.5 | 0.9 | 0.9 | 1.0 | 3.0 | 17.0 | -2.6 | -20.8 |
| 1992 | -18.9 | -8.7 | -8.5 | -11.0 | -1.2 | 0.8 | 0.5 | 1.4 | 0.8 | 10.6 | -2.4 | -25.1 |
| 1993 | -18.8 | -7.1 | -0.8 | 3.0 | 1.5 | 1.0 | 0.6 | 0.8 | -12.2 | -2.1 | 0.7 | 0.3 |
| 1994 | 0.1 | 0.0 | -0.1 | 1.3 | 1.8 | 0.8 | 0.6 | 0.4 | 1.0 | -3.5 | -4.5 | 7.8 |
| 1995 | -4.3 | -2.1 | -2.9 | 1.4 | 0.7 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | -0.1 | 0.1 | 0.3 | 0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.3 | -0.2 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | -0.7 |
| 1998 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | -0.1 | 0.0 | 0.3 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.3 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.6 | -0.3 | 0.1 | 0.1 | 0.7 | 1.0 | 1.1 | 14.4 | 7.4 | -13.6 |
| 2002 | -14.3 | -3.3 | 2.8 | 0.6 | 0.5 | 0.3 | 0.2 | 0.4 | 0.6 | -0.3 | -0.7 | -1.8 |
| 2003 | -1.0 | -0.9 | 0.4 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 4.8 | 0.5 | -3.1 |
| | | | | | | | | | | | | |
| Average | -5.9 | -2.8 | -1.5 | -0.5 | -0.1 | 0.0 | 0.2 | 0.4 | 0.1 | 2.9 | -0.4 | -5.9 |
| Critical | -14.2 | -7.2 | -6.5 | -4.6 | -0.3 | 0.9 | 0.8 | 0.9 | 1.5 | 11.3 | -6.9 | -22.6 |
| Dry | -6.6 | -2.8 | -0.1 | 1.3 | 0.5 | 0.5 | 0.6 | 0.9 | 0.6 | 2.7 | 5.5 | -6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -6.9 | -2.5 | -0.4 | 0.7 | 0.1 | -1.4 | -0.8 | 0.1 | -2.0 | 0.5 | 0.2 | -0.5 |
| Wet | -1.7 | -0.9 | -0.2 | 0.2 | -0.4 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-123. San Joaquin River location RSAN037 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -3.4 | -2.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 5.7 | -3.4 | -8.1 |
| 1977 | -4.9 | -2.2 | -1.9 | -1.7 | -0.7 | 0.1 | 0.3 | 0.2 | 0.5 | -2.4 | -3.5 | -4.0 |
| 1978 | -3.4 | -1.4 | -0.9 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.7 | 0.1 | -0.6 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -0.9 | 4.4 | 0.7 |
| 1982 | -3.1 | -2.0 | -0.2 | 0.1 | -2.5 | -0.6 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1984 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 |
| 1986 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.3 | 2.3 | -0.9 | -5.8 |
| 1988 | -3.9 | -2.1 | -1.2 | 0.2 | 0.1 | 0.7 | 0.6 | 0.6 | 0.5 | 4.0 | -0.4 | -5.7 |
| 1989 | -4.3 | -2.5 | -0.4 | 1.0 | 0.5 | 0.7 | 0.4 | 0.7 | 0.3 | -0.2 | 1.9 | -0.8 |
| 1990 | -2.2 | -1.6 | -1.3 | -0.8 | 0.2 | 0.6 | 0.5 | 0.3 | 0.5 | 5.6 | -0.3 | -5.2 |
| 1991 | -4.2 | -1.9 | -1.6 | -1.1 | -0.1 | 0.2 | 0.3 | 0.4 | 1.0 | 3.5 | -0.5 | -4.1 |
| 1992 | -3.3 | -1.5 | -1.3 | -1.6 | -0.3 | 0.2 | 0.2 | 0.5 | 0.3 | 3.5 | -0.5 | -4.9 |
| 1993 | -3.8 | -1.5 | -0.1 | 0.7 | 0.4 | 0.3 | 0.2 | 0.3 | -4.7 | -1.0 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.3 | 0.2 | 0.2 | 0.4 | -0.7 | -0.8 | 1.4 |
| 1995 | -0.9 | -0.5 | -0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.2 | 0.3 | 0.4 | 5.5 | 2.2 | -3.5 |
| 2002 | -3.1 | -0.7 | 0.8 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | -0.1 | -0.2 | -0.3 |
| 2003 | -0.2 | -0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 2.2 | 0.2 | -1.0 |
| | | | | | | | | | | | | |
| Average | -1.1 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.8 | 0.0 | -1.2 |
| Critical | -2.6 | -1.3 | -1.0 | -0.7 | 0.0 | 0.3 | 0.3 | 0.3 | 0.5 | 2.8 | -1.3 | -4.4 |
| Dry | -1.2 | -0.5 | 0.0 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 1.1 | 1.2 | -1.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.2 | -0.5 | -0.1 | 0.2 | 0.0 | -0.5 | -0.3 | 0.1 | -0.8 | 0.2 | 0.1 | -0.1 |
| Wet | -0.3 | -0.2 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-124. RSAN072 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|------|------|------|-------|-------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 | -0.3 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.3 | 0.0 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.2 | 0.2 | 0.2 | 0.3 | -0.3 | 0.3 | 0.3 | -0.2 | -0.4 |
| 1973 | 0.3 | 0.1 | 0.2 | -0.2 | 0.1 | -20.9 | -1.5 | 0.3 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.2 | -0.2 | 0.1 | 0.3 | 0.3 | 0.3 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.1 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -3.2 | 0.0 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.1 | 0.2 | 0.2 | 0.4 | 0.0 | 0.4 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.2 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | 0.3 | -0.2 |
| 1982 | 0.3 | -0.3 | 0.3 | 0.0 | -13.9 | -1.1 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.3 |
| 1983 | -0.4 | 0.0 | -0.3 | 0.1 | 0.5 | 0.3 | 0.1 | -0.3 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.3 | 0.3 | 0.3 | -0.1 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.3 | 0.2 | -0.2 | 0.4 | 0.0 | -0.4 | -0.4 | -0.4 | 0.3 |
| 1986 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.3 | -0.2 | 0.2 | -0.4 |
| 1988 | -0.4 | 0.3 | 0.0 | 0.0 | 0.4 | 0.1 | 0.4 | -0.2 | 0.1 | 0.8 | 0.3 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.1 | -0.4 | -0.4 | 0.3 | -0.4 | 0.3 | 0.0 | 0.5 | -0.6 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.2 | 0.3 | -0.2 | -0.4 | 0.0 | -0.3 | -12.6 | -2.8 | 0.1 |
| 1991 | -0.1 | 0.3 | -0.3 | 0.1 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -15.4 | -3.1 | 0.1 |
| 1992 | -0.2 | 0.4 | 0.1 | 0.1 | -0.1 | 0.1 | -8.7 | -1.6 | 0.2 | -58.0 | -20.7 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 17.7 | 1.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.3 | -0.4 | 0.0 | 0.2 | 0.3 | -0.4 | -0.4 | -0.3 | -0.5 | -0.3 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.4 | 0.3 | 0.2 | 0.1 | 0.3 | -0.2 | 0.3 | -0.4 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.3 | 0.4 | -0.1 | 0.1 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.4 | 0.0 | 0.1 | -0.4 | 0.3 |
| 1998 | 0.2 | -0.3 | 0.1 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | 0.0 | 0.4 | 0.3 | 0.5 | -0.3 | 0.0 | -0.1 |
| 2000 | 0.2 | -0.3 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.2 | 0.0 | 0.3 | 2.9 | -0.2 | -0.4 | -0.7 | -0.1 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.4 | 0.0 | 0.2 | 0.0 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -1.4 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 | -0.1 | 0.0 | 0.6 | -2.6 | -0.8 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.2 | -0.3 | 0.0 | -12.7 | -3.8 | 0.1 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.7 | 0.1 | -0.1 | -0.2 | -0.1 | -0.1 |
| BN | 0.2 | 0.0 | 0.1 | -0.1 | 0.3 | 0.1 | 0.3 | -0.1 | 0.3 | 0.3 | -0.1 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | -3.4 | 0.0 | 0.1 | 3.0 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-125. RSAN072 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -5.9 | -0.4 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -4.7 | -0.4 | 0.2 | -0.2 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -1.9 | -0.4 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -0.4 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.2 | 0.0 | -8.4 | -2.7 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.6 | 0.2 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | -0.4 | -0.1 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -1.8 | -0.5 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-126. San Joaquin River location RSAN112 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|-------|-------|------|------|------|------|------|
| 1970 | 0.2 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | -0.4 | -0.1 |
| 1971 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | -0.4 | 0.1 | -0.1 | 0.2 | -0.3 | -0.2 | -0.2 |
| 1972 | 0.2 | -0.4 | 0.3 | -0.3 | 0.2 | 0.2 | 0.3 | -0.4 | 0.4 | 0.3 | -0.3 | -0.4 |
| 1973 | 0.4 | 0.0 | 0.2 | -0.3 | 0.2 | -21.8 | -0.9 | 0.4 | 0.1 | -0.4 | -0.2 | -0.4 |
| 1974 | -0.5 | 0.4 | 0.1 | -0.2 | 0.0 | 0.3 | -0.3 | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 |
| 1975 | -0.2 | 0.2 | -0.2 | 0.4 | -0.1 | 0.2 | 0.1 | -0.4 | 0.0 | 0.3 | -0.1 | 0.0 |
| 1976 | -0.1 | -0.3 | 0.2 | 0.0 | 0.2 | 0.3 | 0.0 | -0.2 | 0.0 | -0.2 | -0.1 | 0.1 |
| 1977 | -0.2 | 0.1 | -0.2 | 0.3 | 0.1 | 0.3 | 0.2 | 0.4 | -0.1 | 0.0 | -0.4 | 0.0 |
| 1978 | -0.4 | 0.3 | 0.1 | -0.4 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 |
| 1979 | 0.2 | 0.4 | 0.0 | -0.1 | 0.4 | -0.1 | 0.4 | 0.2 | 0.3 | 0.3 | 0.0 | 0.2 |
| 1980 | 0.2 | -0.3 | -0.2 | 0.1 | 0.2 | -0.4 | 0.3 | 0.2 | 0.1 | -0.3 | -0.3 | -0.1 |
| 1981 | 0.4 | 0.0 | -0.1 | -0.2 | -0.1 | -0.4 | 1.6 | 0.5 | 0.0 | -0.2 | 0.0 | -0.2 |
| 1982 | 0.4 | -0.4 | 0.4 | 0.0 | -14.5 | -0.9 | 0.4 | -0.4 | -0.3 | -0.3 | 0.4 | -0.4 |
| 1983 | -0.4 | 0.1 | -0.3 | 0.1 | 0.5 | 0.2 | 0.1 | -0.4 | 0.3 | -0.1 | -0.5 | 0.0 |
| 1984 | 0.4 | -0.3 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | -0.2 | 0.4 | 0.3 | 0.3 | -0.2 |
| 1985 | 0.0 | -0.2 | -0.2 | 0.4 | 0.2 | -0.2 | 0.4 | 0.0 | -0.5 | -0.4 | -0.4 | 0.4 |
| 1986 | 0.5 | 0.0 | 0.5 | 0.5 | 0.1 | 0.4 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | -0.3 |
| 1987 | 0.3 | 0.3 | 0.1 | 0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.4 | 0.1 | -0.2 | -0.4 |
| 1988 | -0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.1 | 0.4 | -0.3 | 0.1 | -0.5 | 0.4 | 0.3 |
| 1989 | 0.1 | 0.3 | 0.0 | -0.4 | -0.4 | 0.3 | -0.4 | 0.3 | 0.1 | 0.3 | -0.3 | -0.2 |
| 1990 | -0.2 | -0.2 | 0.0 | 0.3 | 0.3 | -0.2 | -0.4 | 0.1 | -0.4 | 0.2 | 0.4 | 0.1 |
| 1991 | -0.2 | 0.3 | -0.4 | 0.2 | -0.3 | 0.0 | -0.3 | 0.1 | 0.1 | -0.4 | -0.5 | 0.2 |
| 1992 | -0.2 | 0.5 | -0.1 | 0.4 | -0.2 | 0.1 | -10.1 | -0.1 | 0.2 | 0.5 | 0.3 | 0.1 |
| 1993 | 0.1 | -0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 19.8 | 0.7 | 0.4 | -0.1 |
| 1994 | 0.0 | 0.0 | -0.4 | -0.4 | 0.1 | 0.2 | 0.3 | -0.5 | -0.5 | 0.3 | 0.3 | -0.4 |
| 1995 | 0.1 | 0.2 | 0.3 | -0.1 | -0.5 | 0.3 | 0.1 | 0.1 | 0.3 | -0.2 | 0.3 | -0.5 |
| 1996 | -0.4 | -0.2 | -0.2 | -0.3 | 0.2 | -0.4 | 0.4 | -0.1 | 0.2 | -0.1 | -0.1 | 0.2 |
| 1997 | -0.4 | -0.1 | -0.2 | -0.4 | -0.2 | 0.1 | -0.1 | 0.5 | -0.1 | 0.1 | -0.5 | 0.4 |
| 1998 | 0.2 | -0.3 | 0.2 | 0.4 | 0.3 | -0.3 | 0.0 | 0.4 | 0.1 | -0.2 | -0.4 | 0.2 |
| 1999 | -0.4 | 0.0 | -0.3 | -0.4 | 0.1 | -0.1 | 0.5 | 0.3 | 0.5 | -0.3 | 0.1 | -0.1 |
| 2000 | 0.2 | -0.4 | -0.3 | -0.2 | 0.3 | 0.3 | 0.4 | -0.4 | 0.2 | -0.1 | -0.1 | 0.1 |
| 2001 | -0.1 | -0.2 | -0.3 | 0.3 | 0.0 | 0.3 | 3.0 | -0.3 | -0.4 | -0.5 | -0.3 | -0.3 |
| 2002 | 0.2 | 0.1 | 0.4 | -0.1 | -0.1 | 0.2 | 0.1 | -0.1 | -0.4 | -0.1 | 0.3 | -0.1 |
| 2003 | 0.1 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.3 | -0.1 | -0.2 | -0.1 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.6 | -0.1 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| Critical | -0.2 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | -1.4 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.8 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 |
| BN | 0.2 | 0.0 | 0.2 | -0.2 | 0.3 | 0.1 | 0.4 | -0.1 | 0.3 | 0.3 | -0.2 | -0.1 |
| AN | 0.1 | -0.1 | 0.0 | -0.1 | 0.2 | -3.5 | 0.1 | 0.1 | 3.4 | 0.0 | 0.0 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 |

Table 1-127. San Joaquin River location RSAN112 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 |
| 1972 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1973 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -6.4 | -0.3 | 0.1 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1974 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| 1979 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.1 | -0.1 | 0.0 | 0.0 | -5.0 | -0.3 | 0.2 | -0.3 | -0.1 | -0.1 | 0.1 | -0.1 |
| 1983 | -0.2 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | -0.3 | 0.0 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.1 |
| 1986 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1988 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 2.9 | 0.1 | 0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.1 | 0.1 | -0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.1 |
| 1998 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.3 | 0.1 | -0.1 | -0.2 | 0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-128. Mokelumne River location RSMKL008 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.6 | -1.9 | -1.2 |
| 1977 | 0.1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.4 | 0.3 | 0.4 | 0.1 | -2.2 | -0.5 | -0.7 |
| 1978 | 0.1 | 0.2 | 0.1 | 0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.9 | 0.0 |
| 1982 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.1 | -0.9 | -2.5 | -0.8 |
| 1988 | 0.2 | 0.2 | 0.2 | 0.6 | 0.1 | 0.7 | 0.3 | 0.5 | 0.1 | -1.5 | -1.4 | -1.1 |
| 1989 | 0.3 | 0.2 | 0.2 | 0.4 | 0.6 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | -0.4 | 0.0 |
| 1990 | 0.1 | 0.1 | 0.2 | 0.1 | 0.6 | 0.3 | 0.0 | 0.2 | 0.1 | -1.2 | -0.7 | -0.9 |
| 1991 | 0.1 | 0.5 | 0.4 | 1.1 | 0.6 | 0.7 | 0.3 | 0.4 | 0.2 | -0.7 | -0.5 | -0.7 |
| 1992 | 0.2 | 0.3 | 0.6 | 0.4 | 1.0 | 0.4 | 0.3 | 0.5 | 0.2 | -1.2 | -1.0 | -0.5 |
| 1993 | -0.1 | 0.4 | 0.3 | 1.0 | 0.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | -0.7 | -0.2 |
| 1995 | 0.1 | 0.2 | 0.1 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | -1.5 | -0.9 | -0.7 |
| 2002 | 0.1 | 0.2 | 0.1 | 0.3 | 0.4 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | -0.3 | -0.3 | -0.2 |
| Critical | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.2 | 0.3 | 0.2 | -1.1 | -1.0 | -0.7 |
| Dry | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | -0.4 | -0.8 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-129. Mokelumne River location RSMKL008 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -1.0 | -0.6 |
| 1977 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | -1.1 | -0.3 | -0.3 |
| 1978 | 0.0 | 0.1 | 0.0 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -0.5 | -1.3 | -0.4 |
| 1988 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.3 | 0.2 | 0.3 | 0.1 | -0.8 | -0.8 | -0.6 |
| 1989 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1990 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | -0.6 | -0.4 | -0.5 |
| 1991 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 | 0.1 | 0.2 | 0.1 | -0.4 | -0.3 | -0.4 |
| 1992 | 0.1 | 0.2 | 0.3 | 0.2 | 0.4 | 0.2 | 0.1 | 0.3 | 0.1 | -0.6 | -0.5 | -0.3 |
| 1993 | 0.0 | 0.2 | 0.1 | 0.4 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.4 | -0.1 |
| 1995 | 0.1 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.8 | -0.5 | -0.4 |
| 2002 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | -0.2 | -0.2 | -0.1 |
| Critical | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | -0.6 | -0.5 | -0.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.2 | -0.4 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-130. Barker Slough location SLBAR002 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.5 |
| 1977 | -1.3 | -0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -1.3 | -0.8 |
| 1978 | -1.2 | -0.8 | -0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -1.6 |
| 1988 | -1.0 | -0.4 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.9 | -1.2 |
| 1989 | -1.3 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | -0.5 | -0.6 |
| 1991 | -0.7 | 0.0 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | -0.3 | -0.5 |
| 1992 | -0.6 | 0.1 | 0.4 | 0.4 | 0.2 | 0.4 | 0.2 | 0.2 | 0.1 | 0.0 | -0.7 | -0.8 |
| 1993 | -0.5 | -0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | -0.4 |
| 1995 | -0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.6 |
| 2002 | -0.5 | -0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| Critical | -0.5 | -0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | -0.6 | -0.8 |
| Dry | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.3 | -0.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-131. Barker Slough location SLBAR002 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.8 |
| 1977 | -0.7 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.4 |
| 1978 | -0.6 | -0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.8 |
| 1988 | -0.5 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.6 |
| 1989 | -0.6 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| 1991 | -0.4 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.2 | -0.3 |
| 1992 | -0.3 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | -0.3 | -0.4 |
| 1993 | -0.3 | -0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 |
| 2002 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| Critical | -0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 |
| Dry | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-132. Suisun Marsh location SLCBN002 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|------|------|--------|--------|--------|
| 1970 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.0 | -1.1 | -0.4 | -0.2 | -0.1 | -0.1 |
| 1974 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.1 | 4.5 | -55.3 | -258.6 | -335.2 |
| 1977 | -266.5 | -144.6 | -82.1 | -46.1 | -21.7 | -22.7 | -15.7 | -5.2 | 9.6 | -72.0 | -208.6 | -207.5 |
| 1978 | -173.6 | -96.6 | -31.4 | 1.2 | -5.3 | -9.6 | -8.3 | -6.5 | 2.9 | 10.2 | 0.5 | -3.4 |
| 1979 | -4.6 | -4.7 | -5.5 | 2.4 | 6.4 | 4.6 | 6.8 | 10.1 | 7.5 | 1.1 | -0.6 | -1.3 |
| 1980 | -1.0 | 7.0 | 24.5 | 8.5 | 2.5 | 0.3 | 1.4 | 5.2 | 4.5 | 1.3 | 0.4 | 0.0 |
| 1981 | -0.2 | -0.1 | 1.1 | 5.6 | 4.0 | 3.5 | 7.2 | 9.9 | 12.4 | -25.2 | -142.9 | -210.5 |
| 1982 | -135.9 | -53.4 | -21.3 | -14.7 | -5.4 | -5.0 | -4.9 | -4.5 | 0.1 | 1.0 | -2.0 | -2.3 |
| 1983 | -6.2 | 6.1 | -0.3 | -1.6 | -1.3 | -1.4 | -2.3 | -1.3 | -1.2 | -0.5 | 2.6 | 6.2 |
| 1984 | 3.9 | 2.2 | -0.1 | -0.4 | 0.0 | 0.1 | 1.5 | 5.5 | 6.2 | 2.4 | 0.9 | 0.3 |
| 1985 | -0.2 | 7.9 | 13.6 | 9.4 | 7.2 | 6.6 | 4.9 | 7.0 | 6.8 | 2.5 | 2.4 | 1.6 |
| 1986 | 1.5 | 1.1 | 3.4 | 9.3 | 1.7 | 1.3 | 1.5 | 2.6 | 2.4 | 1.1 | 0.7 | 0.5 |
| 1987 | 0.5 | 0.4 | 0.5 | 2.6 | 6.4 | 4.4 | 3.0 | 1.4 | 7.0 | -86.6 | -308.3 | -403.9 |
| 1988 | -281.4 | -150.7 | -43.5 | 16.0 | 12.7 | -5.2 | 14.5 | 25.7 | 16.8 | -137.9 | -350.0 | -313.2 |
| 1989 | -234.2 | -128.6 | -30.6 | 24.8 | 0.0 | 31.0 | 46.1 | 71.1 | 22.0 | -5.6 | -111.7 | -156.4 |
| 1990 | -94.1 | -44.2 | -22.5 | 3.6 | 57.5 | 120.8 | 98.5 | 53.6 | 52.3 | -95.5 | -289.0 | -287.7 |
| 1991 | -235.1 | -121.0 | -72.9 | -42.0 | -2.8 | 48.3 | 39.0 | 69.7 | 76.6 | -45.2 | -202.8 | -213.1 |
| 1992 | -172.8 | -95.3 | -50.3 | -27.8 | 29.0 | 25.5 | 51.2 | 59.2 | 34.2 | -117.7 | -324.8 | -309.6 |
| 1993 | -226.4 | -123.5 | -12.8 | 29.9 | -1.5 | 12.1 | 6.9 | 16.8 | 63.5 | 87.7 | 41.6 | 10.9 |
| 1994 | 0.4 | -1.5 | -2.1 | 16.6 | 38.4 | 54.6 | 67.3 | 62.5 | 63.9 | 11.0 | -136.7 | -215.8 |
| 1995 | -166.5 | -73.2 | -18.1 | 20.0 | 2.6 | -1.9 | -2.4 | -4.5 | -0.3 | 8.2 | 29.2 | 34.5 |
| 1996 | 7.5 | 2.3 | 23.9 | 18.1 | 5.4 | 2.5 | 0.9 | 1.4 | 9.2 | 21.4 | 9.9 | 5.7 |
| 1997 | -0.4 | -5.4 | 4.7 | -4.6 | -5.3 | 8.7 | 12.4 | 17.5 | 17.2 | 8.8 | 4.1 | 3.6 |
| 1998 | -0.1 | 0.6 | 7.5 | 12.8 | 2.0 | 2.8 | 1.7 | 1.2 | 1.0 | 2.3 | 9.1 | 17.5 |
| 1999 | 5.9 | 14.3 | 13.2 | 4.6 | 2.3 | 1.5 | 2.4 | 5.5 | 15.9 | 8.2 | 7.1 | -1.3 |
| 2000 | 2.4 | 1.4 | 0.8 | 17.4 | 9.5 | 3.4 | 4.1 | 7.9 | 7.6 | 4.8 | 1.7 | 1.2 |
| 2001 | 1.1 | 1.0 | 1.0 | 5.6 | 2.3 | 4.5 | 7.3 | 27.0 | 43.1 | -138.0 | -344.7 | -312.9 |
| 2002 | -236.8 | -80.6 | 12.5 | -1.7 | 22.9 | 64.8 | 72.9 | 77.2 | 44.4 | 18.7 | 7.3 | 4.0 |
| 2003 | 1.6 | -1.3 | 23.3 | 6.0 | 3.3 | 9.9 | 12.3 | 5.9 | 24.9 | 28.6 | -31.4 | -50.0 |
| | | | | | | | | | | | | |
| Average | -65.0 | -31.8 | -7.8 | 2.2 | 5.1 | 10.8 | 12.7 | 15.3 | 16.3 | -16.5 | -76.3 | -86.4 |
| Critical | -149.9 | -79.6 | -39.1 | -11.4 | 16.2 | 31.6 | 36.5 | 37.9 | 36.9 | -73.3 | -252.9 | -268.9 |
| Dry | -78.3 | -33.3 | -0.3 | 7.7 | 7.1 | 19.2 | 23.6 | 32.3 | 22.6 | -39.0 | -149.7 | -179.7 |
| BN | -2.3 | -2.3 | -2.7 | 1.2 | 3.2 | 2.3 | 3.4 | 5.0 | 3.8 | 0.5 | -0.3 | -0.7 |
| AN | -66.2 | -35.5 | 0.7 | 10.5 | 1.4 | 2.9 | 2.9 | 4.7 | 17.2 | 22.1 | 2.1 | -6.9 |
| Wet | -22.3 | -8.1 | 1.0 | 3.3 | 0.1 | 0.7 | 0.8 | 1.8 | 3.9 | 4.1 | 4.7 | 5.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-133. Suisun Marsh location SLCBN002 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -1.8 | -2.2 |
| 1977 | -1.9 | -1.1 | -0.6 | -0.4 | -0.3 | -0.2 | -0.1 | 0.0 | 0.1 | -0.5 | -1.3 | -1.2 |
| 1978 | -1.2 | -0.7 | -0.3 | 0.0 | -0.2 | -0.4 | -0.4 | -0.3 | 0.1 | 0.2 | 0.0 | 0.0 |
| 1979 | -0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | -0.2 | -1.2 | -1.5 |
| 1982 | -1.0 | -0.7 | -0.7 | -0.7 | -0.3 | -0.4 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.2 | 0.0 | -0.2 | -0.1 | -0.2 | -0.2 | -0.2 | -0.2 | -0.1 | 0.1 | 0.2 |
| 1984 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.8 | -2.4 | -2.8 |
| 1988 | -2.1 | -1.2 | -0.4 | 0.3 | 0.3 | -0.1 | 0.2 | 0.3 | 0.2 | -1.1 | -2.5 | -2.0 |
| 1989 | -1.6 | -1.0 | -0.2 | 0.2 | 0.0 | 0.6 | 1.5 | 1.5 | 0.3 | -0.1 | -0.9 | -1.2 |
| 1990 | -0.8 | -0.4 | -0.2 | 0.0 | 0.8 | 1.6 | 1.2 | 0.6 | 0.5 | -0.7 | -1.9 | -1.8 |
| 1991 | -1.6 | -0.9 | -0.5 | -0.3 | 0.0 | 0.7 | 0.7 | 0.8 | 0.7 | -0.3 | -1.3 | -1.3 |
| 1992 | -1.2 | -0.7 | -0.4 | -0.2 | 0.4 | 0.6 | 0.8 | 0.7 | 0.3 | -0.9 | -2.2 | -2.0 |
| 1993 | -1.6 | -0.9 | -0.1 | 0.6 | -0.1 | 0.4 | 0.3 | 0.9 | 2.6 | 1.9 | 0.5 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 1.0 | 0.9 | 0.8 | 0.6 | 0.1 | -1.0 | -1.4 |
| 1995 | -1.3 | -0.6 | -0.2 | 0.5 | 0.1 | -0.1 | -0.1 | -0.3 | 0.0 | 0.4 | 0.7 | 0.6 |
| 1996 | 0.1 | 0.0 | 0.5 | 0.7 | 0.5 | 0.2 | 0.1 | 0.1 | 0.4 | 0.4 | 0.1 | 0.1 |
| 1997 | 0.0 | -0.1 | 0.2 | -0.4 | -0.4 | 0.6 | 0.5 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 |
| 1999 | 0.1 | 0.4 | 0.5 | 0.4 | 0.3 | 0.2 | 0.3 | 0.3 | 0.5 | 0.1 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.2 | 0.3 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.5 | 0.5 | -1.3 | -2.8 | -2.2 |
| 2002 | -1.9 | -0.7 | 0.2 | -0.1 | 0.8 | 1.7 | 1.9 | 1.7 | 0.6 | 0.2 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | 0.3 | 0.5 | 0.3 | 0.7 | 0.4 | -0.3 | -0.5 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | -0.1 | -0.5 | -0.6 |
| Critical | -1.1 | -0.6 | -0.3 | -0.1 | 0.3 | 0.5 | 0.5 | 0.4 | 0.3 | -0.6 | -1.7 | -1.7 |
| Dry | -0.6 | -0.2 | 0.0 | 0.1 | 0.2 | 0.5 | 0.7 | 0.7 | 0.3 | -0.4 | -1.2 | -1.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.3 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.6 | 0.4 | 0.0 | -0.1 |
| Wet | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |

Table 1-134. Upper Cache Slough location SLCCH016 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 188.1 | 188.5 | 244.3 | 763.2 | 711.4 | 419.3 | 242.3 | 202.5 | 194.1 | 191.5 | 188.9 | 188.5 |
| 1971 | 188.4 | 190.9 | 428.5 | 390.7 | 289.1 | 234.3 | 204.4 | 193.7 | 188.8 | 188.9 | 188.6 | 188.3 |
| 1972 | 188.3 | 189.7 | 189.9 | 195.9 | 205.9 | 205.1 | 199.9 | 194.8 | 192.0 | 190.7 | 188.4 | 188.0 |
| 1973 | 187.7 | 204.2 | 214.5 | 759.9 | 806.3 | 623.4 | 309.0 | 210.0 | 194.7 | 191.5 | 189.2 | 189.2 |
| 1974 | 189.0 | 190.8 | 326.2 | 472.8 | 397.9 | 290.2 | 249.1 | 205.2 | 192.7 | 190.1 | 189.1 | 189.0 |
| 1975 | 188.5 | 189.1 | 189.7 | 195.5 | 410.2 | 376.5 | 273.7 | 207.4 | 191.5 | 189.8 | 188.9 | 188.9 |
| 1976 | 187.5 | 187.1 | 188.5 | 193.6 | 202.8 | 204.6 | 202.0 | 197.1 | 197.1 | 194.5 | 189.0 | 190.3 |
| 1977 | 194.3 | 197.5 | 196.1 | 198.6 | 207.9 | 210.2 | 204.1 | 197.2 | 194.7 | 195.4 | 193.5 | 191.4 |
| 1978 | 195.9 | 198.8 | 224.7 | 754.5 | 762.7 | 718.2 | 499.2 | 246.7 | 198.3 | 192.0 | 189.8 | 189.4 |
| 1979 | 189.9 | 191.3 | 190.2 | 563.3 | 762.9 | 573.3 | 297.3 | 212.7 | 194.6 | 191.6 | 189.3 | 189.6 |
| 1980 | 190.3 | 189.9 | 222.9 | 577.6 | 782.5 | 635.5 | 314.1 | 214.0 | 195.9 | 191.8 | 189.8 | 189.4 |
| 1981 | 190.0 | 191.9 | 191.2 | 222.0 | 227.3 | 217.1 | 207.5 | 198.4 | 193.7 | 191.9 | 189.5 | 189.3 |
| 1982 | 189.5 | 190.3 | 278.0 | 745.6 | 675.3 | 700.4 | 572.8 | 288.1 | 201.5 | 191.9 | 190.7 | 189.7 |
| 1983 | 188.2 | 190.5 | 200.7 | 685.0 | 807.8 | 790.2 | 661.3 | 310.4 | 201.8 | 189.5 | 188.9 | 188.7 |
| 1984 | 188.8 | 189.6 | 324.6 | 305.3 | 253.5 | 225.4 | 206.0 | 197.2 | 192.8 | 191.1 | 188.9 | 188.9 |
| 1985 | 188.2 | 191.5 | 202.7 | 211.3 | 218.1 | 217.1 | 216.8 | 200.3 | 193.2 | 191.7 | 189.2 | 189.1 |
| 1986 | 189.5 | 191.9 | 193.4 | 299.3 | 783.9 | 767.2 | 455.2 | 230.1 | 198.1 | 192.8 | 189.9 | 189.6 |
| 1987 | 189.6 | 191.5 | 190.6 | 195.6 | 209.1 | 214.6 | 209.0 | 198.2 | 192.6 | 190.6 | 190.0 | 192.1 |
| 1988 | 193.3 | 194.5 | 195.0 | 383.6 | 351.5 | 258.6 | 218.5 | 200.6 | 193.4 | 192.0 | 191.5 | 193.9 |
| 1989 | 197.0 | 200.3 | 197.3 | 198.9 | 206.7 | 208.1 | 203.3 | 195.6 | 191.4 | 190.0 | 188.2 | 187.3 |
| 1990 | 187.2 | 189.6 | 192.7 | 198.9 | 210.8 | 223.4 | 212.6 | 199.3 | 193.9 | 194.6 | 190.6 | 191.9 |
| 1991 | 195.2 | 199.7 | 202.4 | 204.7 | 212.3 | 213.7 | 218.7 | 205.3 | 192.3 | 189.6 | 189.8 | 191.9 |
| 1992 | 195.0 | 197.4 | 198.7 | 202.9 | 270.2 | 272.3 | 251.3 | 210.5 | 195.5 | 191.3 | 190.7 | 192.1 |
| 1993 | 193.3 | 195.0 | 270.4 | 786.5 | 812.0 | 561.7 | 262.9 | 203.7 | 190.9 | 188.8 | 189.1 | 189.4 |
| 1994 | 189.7 | 190.3 | 190.2 | 219.9 | 372.1 | 306.3 | 220.0 | 197.6 | 192.8 | 193.2 | 189.5 | 190.3 |
| 1995 | 191.6 | 193.9 | 197.5 | 784.5 | 701.3 | 732.7 | 550.8 | 251.6 | 198.1 | 189.6 | 189.4 | 189.2 |
| 1996 | 189.8 | 191.1 | 245.8 | 397.9 | 682.9 | 520.0 | 261.8 | 204.9 | 192.6 | 191.4 | 189.8 | 189.1 |
| 1997 | 188.1 | 189.4 | 298.4 | 769.9 | 699.9 | 368.8 | 227.0 | 201.2 | 193.8 | 191.9 | 189.0 | 188.7 |
| 1998 | 188.5 | 190.0 | 190.7 | 503.3 | 811.0 | 676.9 | 326.1 | 220.0 | 195.3 | 188.5 | 189.0 | 188.6 |
| 1999 | 188.6 | 189.4 | 189.4 | 231.2 | 408.3 | 342.1 | 236.4 | 199.0 | 191.2 | 190.0 | 188.7 | 188.3 |
| 2000 | 188.7 | 190.6 | 190.1 | 196.4 | 370.2 | 336.8 | 238.0 | 204.6 | 194.6 | 192.1 | 189.3 | 189.1 |
| 2001 | 188.4 | 189.3 | 190.9 | 195.5 | 301.0 | 283.2 | 225.3 | 201.7 | 194.8 | 191.9 | 190.4 | 191.9 |
| 2002 | 193.7 | 195.0 | 330.4 | 332.3 | 289.2 | 246.0 | 213.8 | 205.0 | 201.9 | 193.0 | 189.6 | 190.1 |
| 2003 | 191.7 | 193.8 | 367.1 | 376.0 | 304.6 | 249.0 | 220.0 | 200.9 | 190.7 | 190.8 | 188.6 | 188.5 |
| | | | | | | | | | | | | |
| Average | 190.3 | 192.5 | 230.7 | 403.3 | 462.3 | 394.8 | 282.6 | 211.9 | 194.4 | 191.4 | 189.6 | 189.7 |
| Critical | 191.7 | 193.7 | 194.8 | 228.9 | 261.1 | 241.3 | 218.2 | 201.1 | 194.2 | 192.9 | 190.7 | 191.7 |
| Dry | 191.2 | 193.2 | 217.2 | 225.9 | 241.9 | 231.0 | 212.6 | 199.9 | 194.6 | 191.5 | 189.5 | 190.0 |
| BN | 189.1 | 190.5 | 190.1 | 379.6 | 484.4 | 389.2 | 248.6 | 203.8 | 193.3 | 191.2 | 188.8 | 188.8 |
| AN | 191.2 | 195.4 | 248.3 | 575.1 | 639.7 | 520.8 | 307.2 | 213.3 | 194.2 | 191.2 | 189.3 | 189.2 |
| Wet | 189.0 | 190.4 | 254.4 | 503.4 | 587.1 | 495.7 | 343.6 | 223.9 | 194.8 | 190.5 | 189.2 | 188.9 |

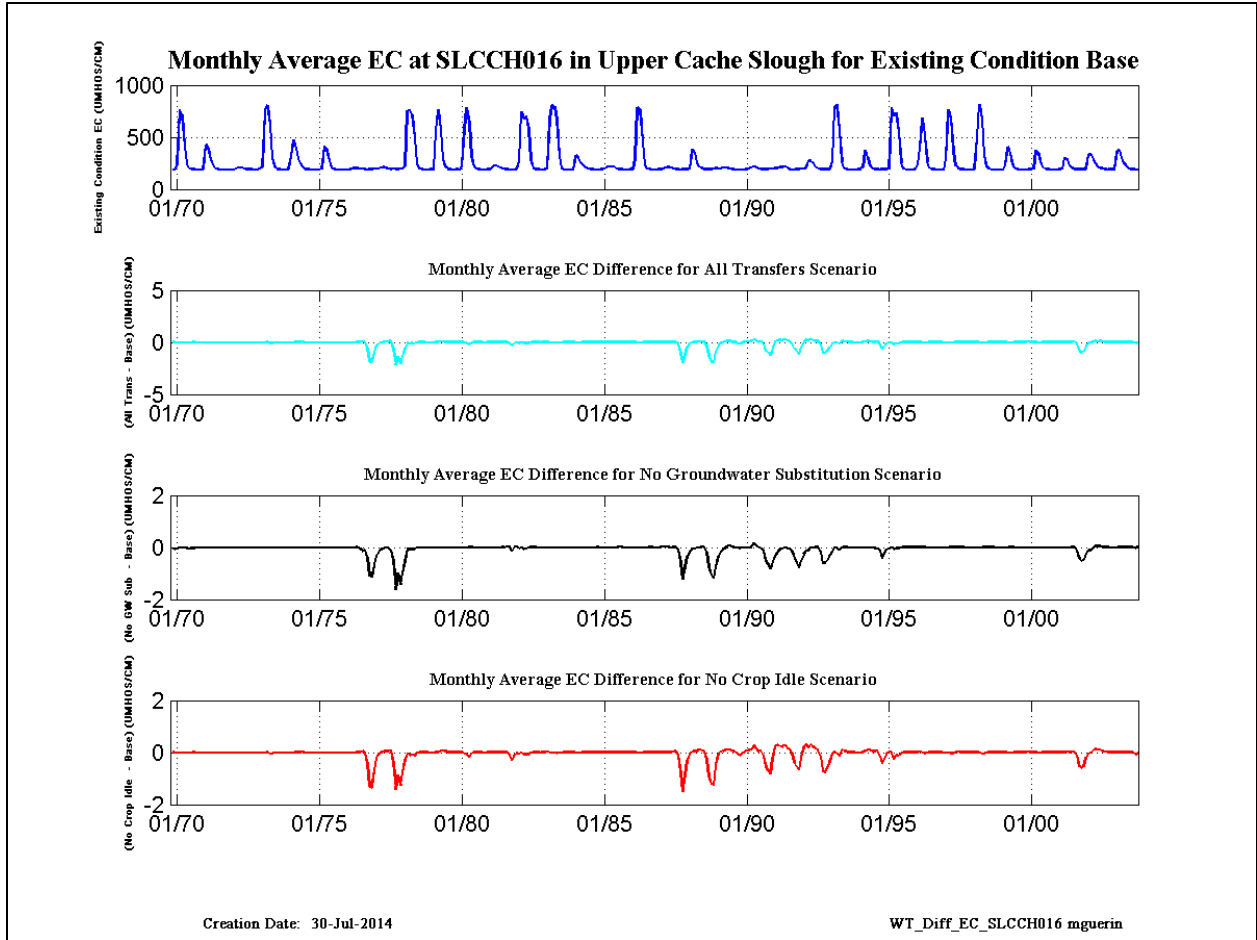


Figure 1-19. Cache Slough location SLCCH016 EC for the Base condition and change from Base for the scenarios.

Table 1-135. Montezuma Slough location SLMZU011 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 1970 | 2620.5 | 2489.3 | 849.7 | 192.4 | 200.7 | 254.1 | 1205.4 | 3358.9 | 5314.3 | 6641.3 | 7975.5 | 7087.5 |
| 1971 | 2564.7 | 2273.7 | 755.8 | 268.2 | 473.2 | 539.7 | 595.0 | 714.8 | 1373.3 | 3939.2 | 8056.0 | 7221.5 |
| 1972 | 2477.3 | 2362.0 | 2682.4 | 2851.0 | 1759.8 | 1197.5 | 1852.1 | 4196.4 | 6780.4 | 8260.3 | 9521.5 | 12164.0 |
| 1973 | 8639.2 | 4659.2 | 1924.0 | 459.0 | 227.8 | 234.5 | 682.2 | 1455.4 | 2939.2 | 5948.6 | 8831.1 | 9512.2 |
| 1974 | 4048.4 | 1611.1 | 266.2 | 189.6 | 247.5 | 197.3 | 197.5 | 477.3 | 1648.7 | 4141.7 | 8073.2 | 6936.9 |
| 1975 | 2610.6 | 2239.7 | 2683.9 | 3555.8 | 1431.4 | 241.6 | 395.3 | 587.1 | 831.3 | 3019.6 | 7955.0 | 7041.7 |
| 1976 | 2367.7 | 2290.7 | 2606.4 | 4299.8 | 3551.7 | 5340.8 | 6252.7 | 8537.8 | 11890.2 | 13237.7 | 13857.8 | 15356.8 |
| 1977 | 10863.7 | 9951.1 | 9330.3 | 5365.7 | 3224.1 | 7286.5 | 9259.0 | 10783.5 | 13336.1 | 14958.6 | 15780.2 | 16567.5 |
| 1978 | 10564.9 | 9757.1 | 5732.4 | 984.4 | 307.4 | 252.4 | 290.4 | 550.0 | 1815.8 | 4793.5 | 8794.0 | 9712.1 |
| 1979 | 4012.1 | 3365.1 | 3783.1 | 2816.5 | 954.1 | 652.0 | 1177.0 | 1653.3 | 3281.9 | 7115.3 | 10244.5 | 13053.9 |
| 1980 | 8471.9 | 6163.9 | 3523.5 | 686.5 | 212.6 | 241.1 | 610.3 | 1418.6 | 2631.7 | 4963.8 | 8738.6 | 9607.4 |
| 1981 | 3866.0 | 3222.1 | 3765.1 | 2555.6 | 1369.3 | 1368.1 | 2202.0 | 4201.2 | 6826.6 | 9468.6 | 11784.8 | 13888.1 |
| 1982 | 9495.1 | 3135.4 | 417.0 | 230.2 | 207.2 | 209.5 | 190.0 | 222.5 | 668.5 | 3114.0 | 7804.3 | 7219.5 |
| 1983 | 2309.3 | 969.1 | 249.0 | 219.2 | 204.4 | 194.0 | 198.1 | 192.1 | 194.7 | 312.5 | 1232.3 | 1842.7 |
| 1984 | 1610.5 | 626.1 | 187.9 | 206.1 | 248.1 | 310.2 | 866.9 | 2353.5 | 4759.0 | 6503.1 | 7974.1 | 7337.1 |
| 1985 | 2595.1 | 2219.7 | 1783.3 | 2227.5 | 1926.2 | 3385.5 | 3912.8 | 4244.2 | 6683.6 | 9434.7 | 11806.3 | 13778.4 |
| 1986 | 8306.1 | 8117.1 | 4768.3 | 1816.1 | 257.0 | 200.0 | 412.8 | 1149.1 | 2915.5 | 5934.6 | 9013.9 | 7683.4 |
| 1987 | 2595.2 | 2489.8 | 3507.4 | 3947.5 | 2179.3 | 1519.8 | 2709.2 | 6274.7 | 8331.4 | 10174.3 | 12531.6 | 14283.7 |
| 1988 | 9715.9 | 9067.0 | 4666.6 | 1484.0 | 1340.6 | 4620.6 | 7699.1 | 7988.1 | 9122.5 | 10925.3 | 13509.2 | 15165.7 |
| 1989 | 11041.8 | 9205.3 | 7799.7 | 5421.5 | 4021.1 | 1746.4 | 873.8 | 2622.7 | 6081.1 | 9735.4 | 11715.5 | 12045.2 |
| 1990 | 7594.2 | 8175.6 | 8533.8 | 3817.7 | 1885.0 | 4613.4 | 6586.0 | 7692.9 | 10270.6 | 13106.5 | 14459.2 | 15222.0 |
| 1991 | 10753.4 | 10599.3 | 10047.0 | 7330.2 | 4576.4 | 2804.0 | 2100.0 | 6154.9 | 10433.0 | 13285.0 | 14507.5 | 15441.0 |
| 1992 | 10876.1 | 10230.3 | 10040.2 | 7371.0 | 2362.3 | 1535.1 | 3427.3 | 6853.8 | 9385.5 | 11107.6 | 14052.9 | 15444.4 |
| 1993 | 9739.2 | 9098.3 | 6915.8 | 1432.6 | 337.8 | 413.4 | 374.2 | 459.5 | 872.2 | 3006.8 | 7863.3 | 8947.9 |
| 1994 | 3783.3 | 3325.5 | 3793.7 | 4157.5 | 2172.0 | 3206.8 | 5613.8 | 6174.5 | 8841.2 | 12227.8 | 13638.4 | 14811.2 |
| 1995 | 8321.5 | 7568.4 | 6351.5 | 848.5 | 323.5 | 195.4 | 232.2 | 198.8 | 260.8 | 718.1 | 3017.3 | 4849.1 |
| 1996 | 2157.6 | 1944.6 | 1858.6 | 787.3 | 209.8 | 206.6 | 237.1 | 240.0 | 1317.6 | 5112.3 | 8846.6 | 7167.0 |
| 1997 | 2637.0 | 2249.3 | 511.5 | 195.8 | 209.6 | 559.7 | 1334.0 | 2311.5 | 4576.0 | 6550.7 | 7868.5 | 7181.7 |
| 1998 | 2908.6 | 2519.8 | 2236.7 | 1197.0 | 213.0 | 215.1 | 209.2 | 205.3 | 192.5 | 390.2 | 1867.3 | 2979.4 |
| 1999 | 1948.2 | 1788.2 | 933.9 | 411.5 | 211.5 | 197.9 | 335.2 | 891.9 | 2528.0 | 5225.7 | 8601.8 | 7149.8 |
| 2000 | 2388.6 | 2217.1 | 2884.0 | 2367.7 | 401.4 | 220.7 | 527.6 | 1350.1 | 3980.1 | 6805.0 | 8216.0 | 9205.6 |
| 2001 | 3981.3 | 3314.7 | 3704.7 | 3415.6 | 1465.9 | 1020.9 | 1921.4 | 4579.0 | 7135.6 | 9561.1 | 12046.2 | 14069.3 |
| 2002 | 9409.9 | 7976.9 | 2638.1 | 505.2 | 843.2 | 2024.7 | 2263.7 | 3016.9 | 6045.5 | 10184.6 | 12019.8 | 13958.0 |
| 2003 | 9044.5 | 8603.6 | 2576.3 | 389.3 | 507.5 | 1229.8 | 1157.6 | 457.3 | 2089.0 | 5655.8 | 7891.0 | 8985.0 |
| | | | | | | | | | | | | |
| Average | 5774.1 | 4877.2 | 3656.1 | 2176.6 | 1178.3 | 1424.6 | 1997.1 | 3046.1 | 4863.3 | 7222.3 | 9708.7 | 10379.9 |
| Critical | 7993.5 | 7662.8 | 7002.6 | 4832.3 | 2730.3 | 4201.0 | 5848.3 | 7740.8 | 10468.4 | 12692.6 | 14257.9 | 15429.8 |
| Dry | 5581.6 | 4738.1 | 3866.4 | 3012.2 | 1967.5 | 1844.3 | 2313.8 | 4156.4 | 6850.6 | 9759.8 | 11984.0 | 13670.4 |
| BN | 3244.7 | 2863.5 | 3232.8 | 2833.7 | 1357.0 | 924.7 | 1514.6 | 2924.8 | 5031.1 | 7687.8 | 9883.0 | 12609.0 |
| AN | 8141.4 | 6749.9 | 3926.0 | 1053.2 | 332.4 | 432.0 | 607.0 | 948.5 | 2388.0 | 5195.6 | 8389.0 | 9328.3 |
| Wet | 3964.5 | 2887.1 | 1697.7 | 778.3 | 341.3 | 270.9 | 493.0 | 992.5 | 2044.6 | 3969.5 | 6791.2 | 6284.4 |

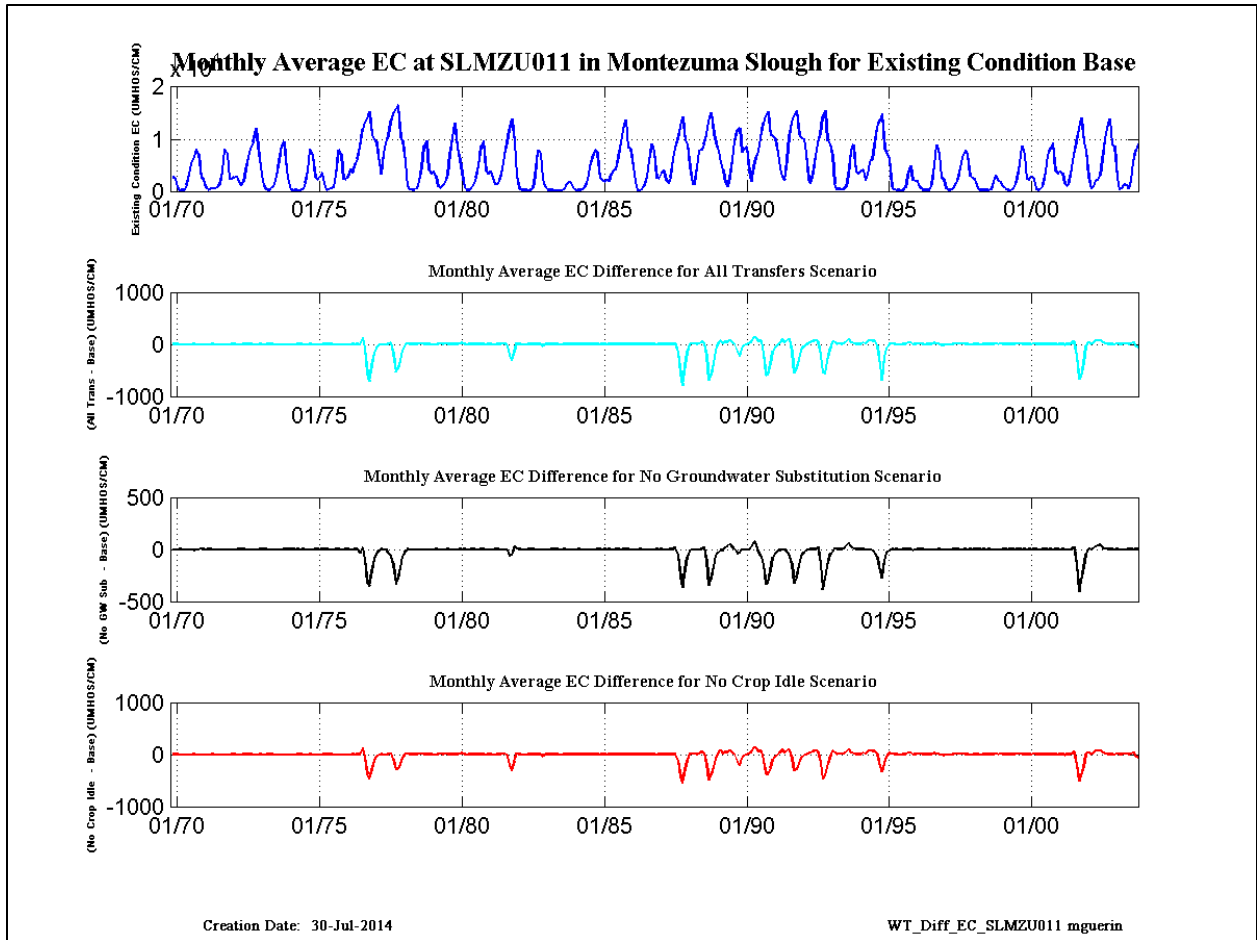


Figure 1-20. Montezuma Slough location SLMZU011 EC for the Base condition and change from Base for the scenarios.

Table 1-136. Montezuma Slough location SLMZU025 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 1970 | 1718.1 | 1507.9 | 262.7 | 186.4 | 186.2 | 189.8 | 516.8 | 1477.7 | 3032.9 | 3334.2 | 5153.3 | 2807.3 |
| 1971 | 1478.4 | 1272.2 | 271.1 | 189.7 | 221.1 | 216.5 | 260.0 | 266.5 | 563.6 | 2028.1 | 5386.2 | 2928.2 |
| 1972 | 1492.1 | 1296.6 | 2329.3 | 2101.7 | 735.9 | 337.9 | 765.8 | 2116.3 | 4192.1 | 4551.9 | 6304.9 | 8670.5 |
| 1973 | 8123.4 | 3795.7 | 814.0 | 218.8 | 201.0 | 193.3 | 285.6 | 511.6 | 1472.9 | 3223.1 | 5832.5 | 4992.7 |
| 1974 | 3242.5 | 509.4 | 186.4 | 182.7 | 189.9 | 183.9 | 186.4 | 243.1 | 662.7 | 2227.2 | 5180.9 | 2740.5 |
| 1975 | 1537.5 | 1200.5 | 2495.9 | 3086.5 | 512.5 | 189.9 | 220.7 | 243.5 | 317.1 | 1617.3 | 5251.2 | 2793.6 |
| 1976 | 1417.9 | 1098.0 | 2321.3 | 4076.0 | 2936.6 | 2608.7 | 3217.9 | 5673.6 | 8756.2 | 9253.6 | 10078.5 | 11872.0 |
| 1977 | 10330.1 | 9664.6 | 9358.6 | 4558.0 | 2908.8 | 4124.5 | 5286.3 | 7315.9 | 9956.1 | 11347.6 | 12009.4 | 13015.5 |
| 1978 | 9835.3 | 9692.8 | 4860.4 | 352.6 | 211.6 | 203.3 | 219.1 | 258.5 | 753.2 | 2554.4 | 5800.4 | 5072.3 |
| 1979 | 3183.2 | 2669.9 | 3746.9 | 1468.5 | 316.8 | 272.0 | 415.0 | 554.8 | 1668.8 | 4225.0 | 6832.9 | 9399.6 |
| 1980 | 7853.6 | 5567.2 | 2988.9 | 304.0 | 201.0 | 202.3 | 266.4 | 500.7 | 1127.8 | 2676.5 | 5806.3 | 5080.8 |
| 1981 | 3056.4 | 2501.9 | 3534.2 | 1453.7 | 375.3 | 428.1 | 821.8 | 2088.1 | 4069.2 | 6160.0 | 8190.2 | 10187.3 |
| 1982 | 8947.6 | 1555.0 | 197.1 | 200.4 | 188.6 | 198.4 | 183.6 | 182.8 | 296.8 | 1716.8 | 5489.7 | 3027.3 |
| 1983 | 787.2 | 291.2 | 189.9 | 210.8 | 201.5 | 193.4 | 188.3 | 182.0 | 185.0 | 207.4 | 498.9 | 616.6 |
| 1984 | 873.5 | 246.8 | 183.5 | 193.3 | 196.1 | 195.0 | 355.8 | 1000.5 | 2680.0 | 3350.8 | 5295.4 | 3064.8 |
| 1985 | 1574.9 | 874.7 | 884.8 | 1551.5 | 1041.2 | 1398.0 | 1544.2 | 1990.6 | 4134.1 | 6213.7 | 8445.6 | 9935.0 |
| 1986 | 7806.3 | 8101.7 | 3924.9 | 792.0 | 198.0 | 193.5 | 239.6 | 439.3 | 1481.1 | 3329.2 | 6079.3 | 3300.1 |
| 1987 | 1700.0 | 1580.8 | 3457.6 | 3437.2 | 1033.7 | 453.4 | 1315.6 | 3737.7 | 5138.7 | 6874.7 | 9191.9 | 10907.1 |
| 1988 | 9219.9 | 8944.4 | 3636.9 | 518.5 | 614.7 | 2634.3 | 4257.3 | 4681.6 | 5588.5 | 7777.1 | 10125.1 | 11726.8 |
| 1989 | 10671.5 | 8694.3 | 7682.3 | 4983.0 | 3686.8 | 599.0 | 331.9 | 1169.5 | 3817.9 | 6552.3 | 7892.7 | 8358.1 |
| 1990 | 7092.3 | 8201.2 | 8501.1 | 2720.1 | 1182.8 | 2290.7 | 3450.2 | 4612.1 | 7329.2 | 9696.6 | 10810.4 | 11894.4 |
| 1991 | 10242.6 | 10524.2 | 10013.7 | 6885.2 | 4206.4 | 985.2 | 945.4 | 3764.4 | 7523.4 | 9816.7 | 10747.1 | 11962.5 |
| 1992 | 10317.5 | 10102.8 | 10059.4 | 6904.7 | 945.1 | 578.0 | 1576.5 | 4250.4 | 5916.3 | 7930.0 | 10699.7 | 11937.8 |
| 1993 | 9143.8 | 8977.4 | 6425.3 | 531.5 | 223.4 | 218.0 | 205.3 | 223.0 | 322.3 | 1595.4 | 5263.4 | 4542.5 |
| 1994 | 2942.5 | 2655.8 | 3655.6 | 3675.1 | 949.6 | 1480.6 | 2626.4 | 3230.4 | 6036.0 | 8581.0 | 9685.1 | 11032.5 |
| 1995 | 7387.6 | 7621.6 | 5837.0 | 374.4 | 203.9 | 185.9 | 195.1 | 178.9 | 184.5 | 300.2 | 1477.0 | 2013.7 |
| 1996 | 1024.0 | 1085.9 | 862.5 | 250.8 | 192.9 | 189.1 | 194.2 | 196.1 | 635.3 | 2776.1 | 5887.5 | 2748.5 |
| 1997 | 1591.5 | 1180.6 | 220.6 | 195.2 | 191.6 | 245.0 | 446.9 | 894.4 | 2615.7 | 3240.3 | 5136.3 | 2873.6 |
| 1998 | 1850.9 | 1440.4 | 1511.9 | 449.4 | 202.7 | 195.9 | 187.3 | 181.9 | 181.3 | 222.1 | 816.5 | 1029.0 |
| 1999 | 1208.5 | 674.5 | 281.2 | 203.2 | 189.7 | 184.4 | 209.7 | 353.6 | 1176.1 | 2782.1 | 5655.6 | 2780.1 |
| 2000 | 1576.9 | 1152.4 | 2628.5 | 1196.0 | 211.0 | 191.3 | 240.9 | 486.6 | 2374.4 | 3596.4 | 5311.1 | 4777.7 |
| 2001 | 3268.4 | 2595.0 | 3602.5 | 2501.6 | 451.6 | 336.4 | 732.8 | 2460.7 | 4223.3 | 6408.5 | 8626.9 | 10631.5 |
| 2002 | 8786.6 | 7723.3 | 1243.9 | 217.0 | 363.4 | 687.1 | 776.4 | 1270.1 | 3875.7 | 6808.0 | 8267.9 | 10385.6 |
| 2003 | 8485.3 | 8456.2 | 1125.7 | 199.3 | 231.4 | 400.4 | 337.8 | 213.3 | 1249.4 | 2948.1 | 5096.4 | 4652.3 |
| | | | | | | | | | | | | |
| Average | 4993.2 | 4219.3 | 3214.6 | 1657.9 | 761.8 | 681.9 | 970.7 | 1675.0 | 3045.2 | 4585.9 | 6715.5 | 6581.1 |
| Critical | 7366.1 | 7313.0 | 6792.4 | 4191.1 | 1963.4 | 2100.3 | 3051.5 | 4789.8 | 7300.8 | 9200.4 | 10593.6 | 11920.2 |
| Dry | 4843.0 | 3995.0 | 3400.9 | 2357.3 | 1158.7 | 650.3 | 920.5 | 2119.5 | 4209.8 | 6502.8 | 8435.9 | 10067.4 |
| BN | 2337.6 | 1983.2 | 3038.1 | 1785.1 | 526.3 | 305.0 | 590.4 | 1335.6 | 2930.4 | 4388.5 | 6568.9 | 9035.1 |
| AN | 7503.0 | 6273.6 | 3140.4 | 467.0 | 213.2 | 234.7 | 259.2 | 365.6 | 1216.7 | 2765.7 | 5518.3 | 4853.0 |
| Wet | 3034.9 | 2052.9 | 1263.4 | 501.1 | 221.1 | 197.0 | 260.4 | 449.3 | 1077.9 | 2087.1 | 4408.3 | 2517.2 |

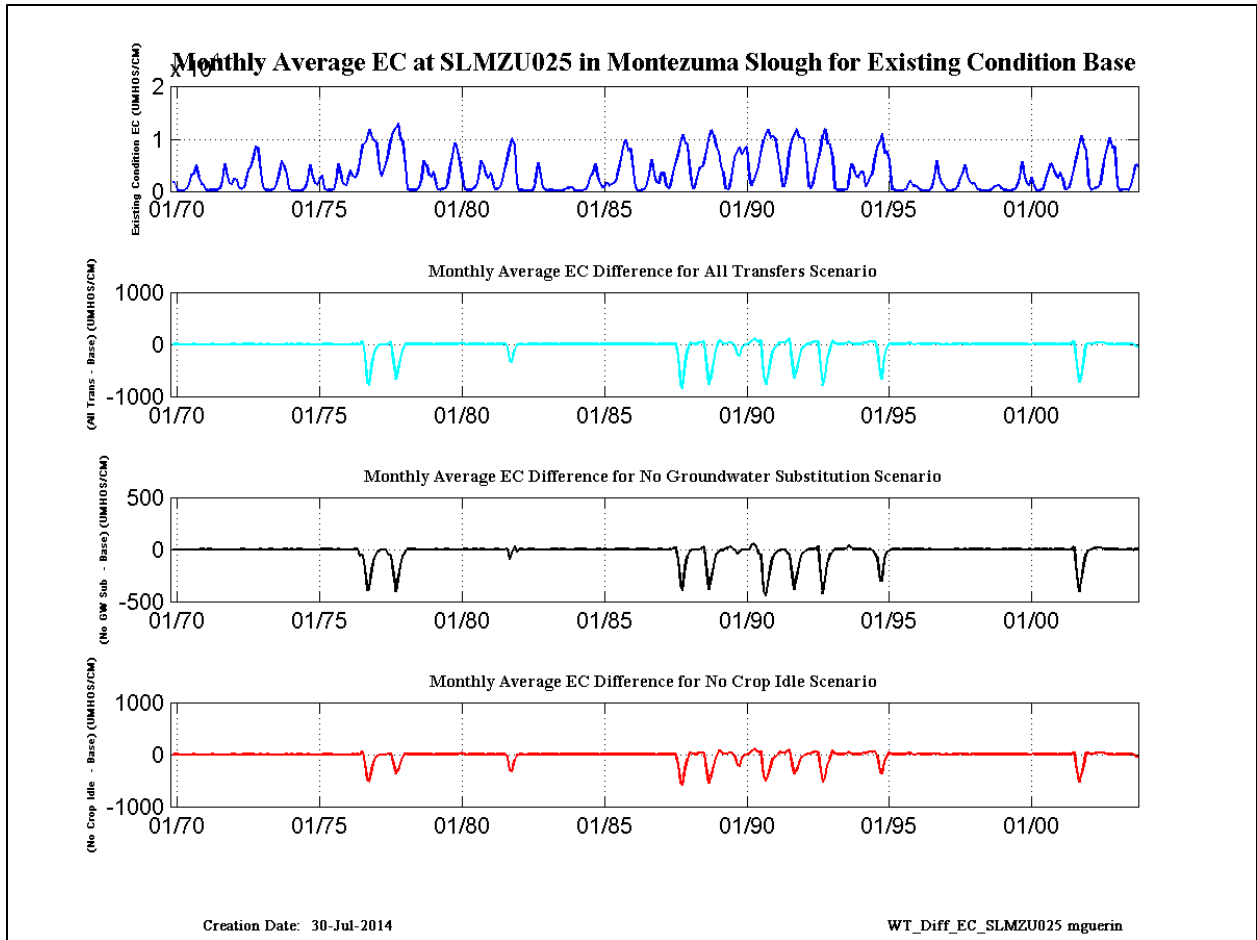


Figure 1-21. Montezuma Slough location SLMZU025 EC for the Base condition and change from Base for the scenarios.

Table 1-137. Suisun Slough location SLSUS012 Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|
| 1970 | 4798.7 | 5011.1 | 2301.3 | 727.3 | 535.3 | 545.8 | 1721.0 | 4292.2 | 6359.5 | 7971.0 | 9145.3 | 8814.9 |
| 1971 | 5195.7 | 4868.6 | 2281.5 | 938.6 | 1053.6 | 1105.5 | 1040.0 | 1227.4 | 1985.6 | 4847.5 | 8999.3 | 8880.6 |
| 1972 | 5119.4 | 4978.1 | 5062.5 | 5829.3 | 4255.9 | 2535.1 | 2732.1 | 5222.7 | 7834.4 | 9547.6 | 10724.2 | 13295.6 |
| 1973 | 11794.0 | 8980.5 | 5107.1 | 1892.7 | 862.6 | 821.2 | 1281.3 | 2249.4 | 3867.0 | 7085.9 | 9873.5 | 10856.5 |
| 1974 | 7593.3 | 3703.8 | 1063.6 | 613.5 | 629.0 | 484.0 | 454.2 | 829.7 | 2315.3 | 5064.2 | 8970.1 | 8565.3 |
| 1975 | 5160.0 | 4890.0 | 5053.5 | 6541.0 | 3755.2 | 1023.4 | 888.5 | 1106.0 | 1373.6 | 3960.4 | 8766.7 | 8739.5 |
| 1976 | 4998.5 | 4814.5 | 4909.9 | 6971.2 | 6837.0 | 7266.1 | 7808.4 | 9732.3 | 12954.2 | 14429.7 | 15042.4 | 16241.4 |
| 1977 | 14201.4 | 12946.8 | 12262.5 | 9916.4 | 6983.1 | 9340.6 | 10790.7 | 12121.2 | 14486.2 | 15962.1 | 16884.2 | 17609.2 |
| 1978 | 14647.2 | 12752.8 | 10384.3 | 3718.9 | 1381.7 | 1145.4 | 995.4 | 1264.3 | 2770.5 | 5925.8 | 9792.3 | 11184.9 |
| 1979 | 7647.4 | 6827.2 | 6685.5 | 6086.4 | 2592.7 | 1573.1 | 2026.9 | 2609.7 | 4296.5 | 8282.4 | 11345.0 | 14016.7 |
| 1980 | 11996.8 | 10053.3 | 7459.5 | 3066.5 | 1093.7 | 898.4 | 1271.8 | 2207.7 | 3583.3 | 6154.4 | 9789.9 | 11052.0 |
| 1981 | 7544.6 | 6650.2 | 6630.6 | 5722.2 | 3160.6 | 2529.2 | 3266.5 | 5263.2 | 8026.4 | 10657.7 | 12910.1 | 14863.1 |
| 1982 | 13057.9 | 7468.2 | 2120.8 | 985.3 | 744.0 | 591.3 | 541.0 | 547.5 | 1130.7 | 3864.1 | 8914.0 | 8999.3 |
| 1983 | 4786.9 | 2561.0 | 935.7 | 578.7 | 494.9 | 420.1 | 504.6 | 439.8 | 394.5 | 549.8 | 1702.9 | 2637.6 |
| 1984 | 3036.4 | 1794.6 | 554.6 | 438.0 | 460.3 | 547.9 | 1288.1 | 3126.9 | 5673.2 | 7765.2 | 9115.5 | 8983.3 |
| 1985 | 5215.8 | 4527.3 | 3634.0 | 4506.2 | 4481.8 | 4886.9 | 5193.8 | 5486.8 | 7831.2 | 10589.3 | 12948.8 | 14760.7 |
| 1986 | 12112.2 | 11124.5 | 9009.8 | 5031.8 | 1532.7 | 876.0 | 998.2 | 1856.5 | 3812.4 | 7028.3 | 9998.2 | 9439.5 |
| 1987 | 5418.2 | 5319.0 | 5861.1 | 7082.0 | 5295.3 | 3095.2 | 3820.4 | 7383.1 | 9511.7 | 11360.7 | 13465.1 | 15105.1 |
| 1988 | 13127.5 | 11969.5 | 9296.0 | 4371.9 | 2992.4 | 5938.3 | 8944.4 | 9360.4 | 10555.0 | 12246.5 | 14534.1 | 16065.5 |
| 1989 | 14251.2 | 12733.8 | 11359.5 | 9814.9 | 7906.8 | 4014.2 | 1976.4 | 3725.3 | 7253.2 | 10892.7 | 12992.8 | 13751.2 |
| 1990 | 11446.8 | 11008.6 | 11355.0 | 8440.4 | 5334.6 | 6529.4 | 8142.5 | 9125.9 | 11489.5 | 14161.3 | 15532.0 | 16389.6 |
| 1991 | 14165.6 | 13367.1 | 13159.7 | 11414.7 | 8789.7 | 5526.6 | 3741.9 | 7476.6 | 11581.2 | 14339.5 | 15627.0 | 16485.9 |
| 1992 | 14304.0 | 13195.0 | 13036.3 | 11508.5 | 6151.3 | 3238.3 | 4878.0 | 8175.4 | 10714.9 | 12420.2 | 15014.6 | 16414.8 |
| 1993 | 13682.0 | 12052.6 | 10954.3 | 4331.0 | 1574.4 | 1364.1 | 1190.8 | 1092.5 | 1612.0 | 3985.7 | 8881.8 | 10517.0 |
| 1994 | 7242.3 | 6602.5 | 6669.6 | 7397.4 | 5275.9 | 4775.8 | 7029.3 | 7583.4 | 10018.3 | 13249.3 | 14806.3 | 16010.4 |
| 1995 | 12748.7 | 10635.6 | 10369.8 | 3681.6 | 1601.5 | 846.5 | 934.6 | 676.4 | 693.7 | 1243.7 | 3824.4 | 6105.8 |
| 1996 | 4753.2 | 4424.7 | 4155.8 | 2126.9 | 699.9 | 588.4 | 593.2 | 517.3 | 1799.2 | 6021.4 | 9739.5 | 8935.7 |
| 1997 | 5047.0 | 4919.3 | 1818.9 | 573.3 | 584.3 | 994.9 | 2005.0 | 3167.8 | 5506.2 | 7800.2 | 9016.3 | 8854.7 |
| 1998 | 5443.3 | 5161.9 | 4642.9 | 2950.5 | 834.2 | 702.4 | 577.7 | 476.0 | 401.2 | 689.5 | 2480.3 | 4010.7 |
| 1999 | 3899.1 | 3832.9 | 2040.6 | 962.4 | 511.0 | 383.5 | 573.8 | 1325.7 | 3247.2 | 6227.1 | 9577.9 | 9022.3 |
| 2000 | 5002.2 | 4840.1 | 5167.6 | 5097.5 | 1535.0 | 714.6 | 991.9 | 2042.3 | 4785.6 | 7929.8 | 9370.8 | 10622.4 |
| 2001 | 7423.5 | 6603.7 | 6509.2 | 6760.9 | 3647.7 | 2058.1 | 2862.3 | 5642.8 | 8296.8 | 10736.2 | 13048.4 | 14957.3 |
| 2002 | 12963.4 | 11286.5 | 6404.1 | 1949.8 | 1822.1 | 3248.5 | 3400.3 | 4138.8 | 7153.6 | 11273.1 | 13145.9 | 14947.0 |
| 2003 | 12648.7 | 11495.8 | 6244.7 | 1883.3 | 1362.5 | 2209.6 | 2112.0 | 1124.3 | 2778.0 | 6905.4 | 9144.1 | 10529.7 |
| | | | | | | | | | | | | |
| Average | 8896.3 | 7747.1 | 6308.9 | 4526.8 | 2846.3 | 2435.8 | 2840.5 | 3900.5 | 5767.4 | 8269.6 | 10738.9 | 11696.0 |
| Critical | 11355.2 | 10557.7 | 10098.4 | 8574.4 | 6052.0 | 6087.8 | 7333.6 | 9082.2 | 11685.6 | 13829.8 | 15348.7 | 16459.5 |
| Dry | 8802.8 | 7853.4 | 6733.1 | 5972.7 | 4385.7 | 3305.4 | 3419.9 | 5273.3 | 8012.2 | 10918.3 | 13085.2 | 14730.7 |
| BN | 6383.4 | 5902.6 | 5874.0 | 5957.9 | 3424.3 | 2054.1 | 2379.5 | 3916.2 | 6065.5 | 8915.0 | 11034.6 | 13656.1 |
| AN | 11628.5 | 10029.2 | 7552.9 | 3331.7 | 1301.7 | 1192.2 | 1307.2 | 1663.4 | 3232.7 | 6331.2 | 9475.4 | 10793.8 |
| Wet | 6741.0 | 5415.1 | 3565.3 | 2011.5 | 1033.5 | 700.7 | 932.3 | 1506.9 | 2668.6 | 4848.6 | 7711.6 | 7845.3 |

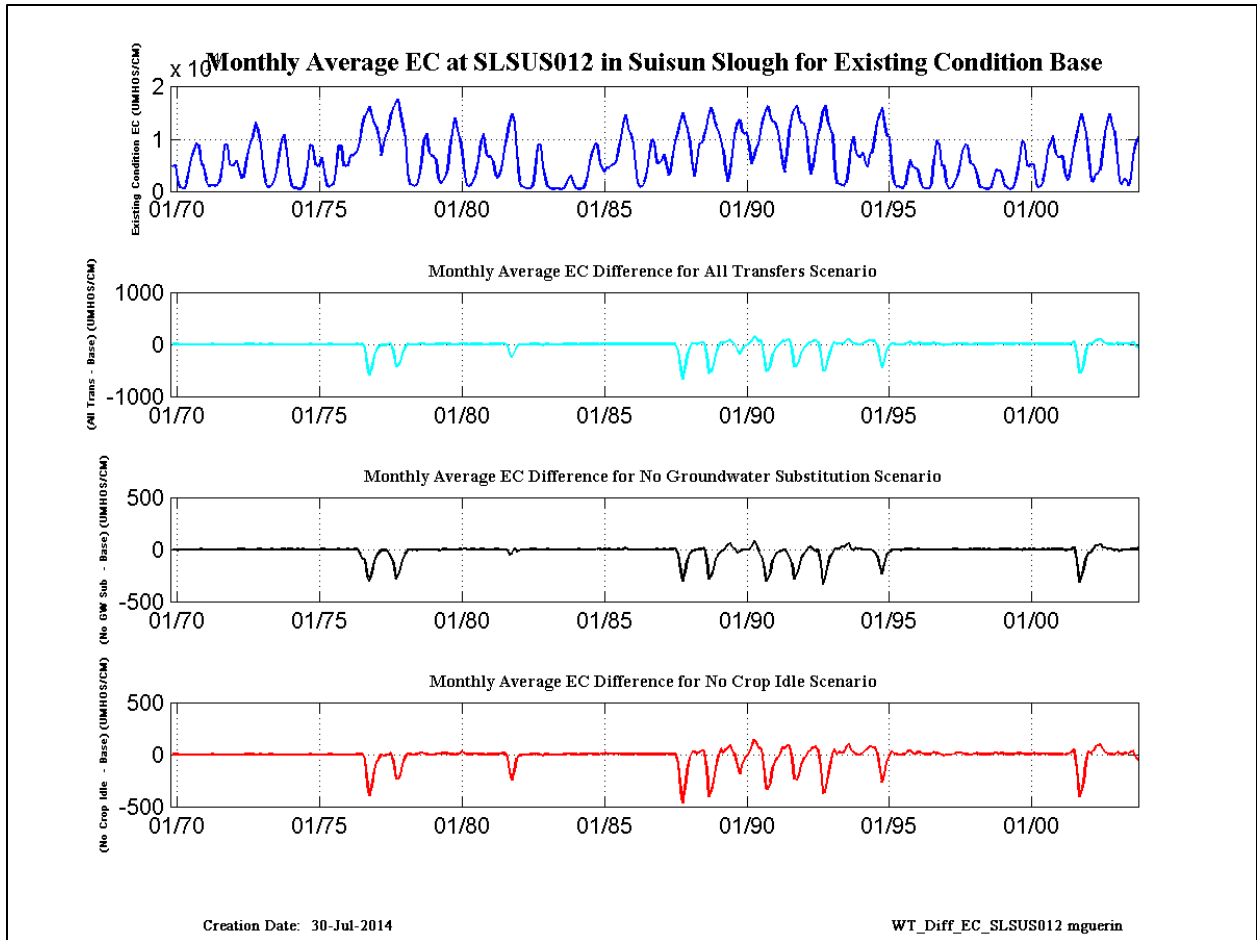


Figure 1-22. Suisun Slough location SLMZU012EC for the Base condition and change from Base for the scenarios.

Table 1-138. CCWD Intake location in Victoria Canal Base salinity (EC).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 310.0 | 341.7 | 340.9 | 387.2 | 334.2 | 307.6 | 329.5 | 382.1 | 340.3 | 259.8 | 268.5 | 431.3 |
| 1971 | 356.2 | 337.5 | 354.3 | 399.1 | 392.9 | 414.5 | 366.3 | 381.8 | 309.3 | 238.1 | 280.2 | 443.7 |
| 1972 | 352.3 | 359.9 | 305.4 | 399.5 | 455.7 | 451.8 | 458.6 | 451.2 | 358.4 | 273.3 | 316.2 | 452.8 |
| 1973 | 506.7 | 630.9 | 516.9 | 562.1 | 531.6 | 401.7 | 351.5 | 378.3 | 337.2 | 259.4 | 294.7 | 335.2 |
| 1974 | 315.0 | 305.9 | 352.6 | 467.9 | 421.4 | 346.0 | 302.0 | 379.7 | 367.2 | 300.0 | 283.4 | 356.4 |
| 1975 | 333.1 | 334.9 | 300.3 | 471.9 | 486.3 | 322.4 | 327.9 | 383.6 | 352.0 | 298.1 | 286.6 | 377.6 |
| 1976 | 324.1 | 328.3 | 282.4 | 456.2 | 503.1 | 466.5 | 467.3 | 462.1 | 449.9 | 431.3 | 564.2 | 517.9 |
| 1977 | 570.4 | 587.8 | 611.3 | 791.3 | 650.8 | 541.2 | 466.5 | 428.2 | 460.1 | 485.1 | 475.4 | 593.2 |
| 1978 | 709.7 | 611.8 | 626.5 | 653.4 | 585.1 | 548.4 | 308.2 | 247.9 | 343.5 | 320.0 | 302.4 | 334.5 |
| 1979 | 308.9 | 332.8 | 331.9 | 610.3 | 487.9 | 353.5 | 339.7 | 317.9 | 310.0 | 261.5 | 350.0 | 449.1 |
| 1980 | 483.2 | 436.8 | 479.5 | 465.0 | 363.0 | 225.0 | 311.0 | 357.9 | 366.7 | 347.9 | 299.6 | 317.4 |
| 1981 | 321.2 | 336.0 | 351.7 | 562.5 | 462.1 | 473.5 | 494.8 | 459.5 | 359.8 | 309.1 | 413.3 | 467.2 |
| 1982 | 526.6 | 481.1 | 335.7 | 483.2 | 371.2 | 376.7 | 192.1 | 175.3 | 288.9 | 338.7 | 290.4 | 259.0 |
| 1983 | 214.4 | 224.5 | 287.3 | 397.6 | 297.3 | 248.0 | 181.6 | 200.1 | 207.4 | 236.9 | 215.4 | 210.6 |
| 1984 | 254.5 | 203.8 | 233.2 | 338.6 | 295.6 | 282.4 | 327.2 | 391.9 | 336.9 | 264.2 | 277.9 | 384.6 |
| 1985 | 330.1 | 309.6 | 280.6 | 354.5 | 431.5 | 472.9 | 474.4 | 436.5 | 355.6 | 314.6 | 420.1 | 456.1 |
| 1986 | 497.1 | 460.0 | 586.7 | 541.7 | 500.8 | 347.9 | 252.4 | 253.1 | 337.8 | 295.6 | 299.9 | 327.4 |
| 1987 | 321.3 | 335.3 | 293.4 | 501.7 | 491.4 | 509.5 | 550.7 | 456.0 | 357.7 | 295.9 | 360.8 | 419.9 |
| 1988 | 504.5 | 511.1 | 551.1 | 507.5 | 576.7 | 521.2 | 503.6 | 462.6 | 416.0 | 321.9 | 404.4 | 478.6 |
| 1989 | 567.4 | 591.1 | 585.5 | 759.4 | 680.9 | 644.8 | 528.2 | 403.9 | 296.6 | 333.2 | 452.4 | 432.5 |
| 1990 | 444.9 | 508.4 | 580.7 | 607.1 | 470.5 | 425.1 | 400.9 | 388.9 | 397.0 | 399.8 | 531.9 | 515.6 |
| 1991 | 610.7 | 640.2 | 717.0 | 836.2 | 735.0 | 667.9 | 577.2 | 437.5 | 356.6 | 412.3 | 540.4 | 506.6 |
| 1992 | 596.4 | 620.4 | 685.1 | 765.7 | 774.5 | 594.0 | 465.4 | 391.9 | 335.7 | 294.7 | 416.2 | 487.7 |
| 1993 | 573.9 | 544.9 | 580.7 | 720.2 | 621.1 | 519.1 | 516.2 | 503.7 | 420.6 | 319.5 | 296.5 | 331.0 |
| 1994 | 311.6 | 357.2 | 362.8 | 618.8 | 547.6 | 467.5 | 434.0 | 413.0 | 396.3 | 424.7 | 565.3 | 484.1 |
| 1995 | 594.7 | 476.2 | 523.0 | 709.5 | 501.0 | 437.6 | 231.2 | 157.7 | 267.3 | 286.9 | 251.9 | 245.4 |
| 1996 | 304.6 | 323.1 | 307.4 | 483.3 | 480.3 | 346.6 | 318.0 | 333.3 | 357.6 | 286.8 | 304.6 | 411.8 |
| 1997 | 353.1 | 324.3 | 352.9 | 256.0 | 199.9 | 232.6 | 315.3 | 343.2 | 343.0 | 269.6 | 270.6 | 395.4 |
| 1998 | 359.0 | 344.5 | 299.4 | 549.4 | 558.5 | 349.3 | 196.9 | 174.1 | 257.8 | 279.9 | 251.4 | 246.3 |
| 1999 | 269.7 | 292.0 | 306.3 | 453.3 | 354.9 | 303.0 | 344.4 | 385.7 | 329.4 | 250.5 | 291.8 | 422.2 |
| 2000 | 367.5 | 345.2 | 285.7 | 520.8 | 588.3 | 343.1 | 331.0 | 385.5 | 342.2 | 274.9 | 273.6 | 337.1 |
| 2001 | 326.9 | 351.3 | 340.0 | 574.4 | 513.2 | 466.2 | 494.7 | 476.2 | 362.9 | 288.3 | 350.9 | 410.7 |
| 2002 | 494.5 | 469.6 | 511.3 | 541.7 | 442.9 | 435.6 | 489.9 | 507.4 | 391.5 | 343.1 | 432.6 | 447.4 |
| 2003 | 572.2 | 493.4 | 541.8 | 438.0 | 376.8 | 367.1 | 458.0 | 441.2 | 305.1 | 241.0 | 270.1 | 339.6 |
| | | | | | | | | | | | | |
| Average | 420.2 | 416.2 | 423.6 | 534.9 | 484.8 | 417.9 | 385.5 | 375.0 | 347.5 | 310.5 | 350.1 | 400.8 |
| Critical | 480.4 | 507.6 | 541.5 | 654.7 | 608.3 | 526.2 | 473.6 | 426.3 | 401.7 | 395.7 | 499.7 | 512.0 |
| Dry | 393.6 | 398.8 | 393.8 | 549.0 | 503.7 | 500.4 | 505.5 | 456.6 | 354.0 | 314.0 | 405.0 | 439.0 |
| BN | 330.6 | 346.3 | 318.7 | 504.9 | 471.8 | 402.6 | 399.2 | 384.5 | 334.2 | 267.4 | 333.1 | 450.9 |
| AN | 535.5 | 510.5 | 505.2 | 559.9 | 511.0 | 400.7 | 379.3 | 385.7 | 352.6 | 293.8 | 289.5 | 332.4 |
| Wet | 360.6 | 342.3 | 352.3 | 456.8 | 399.6 | 331.9 | 283.5 | 303.2 | 315.0 | 277.3 | 274.8 | 347.1 |

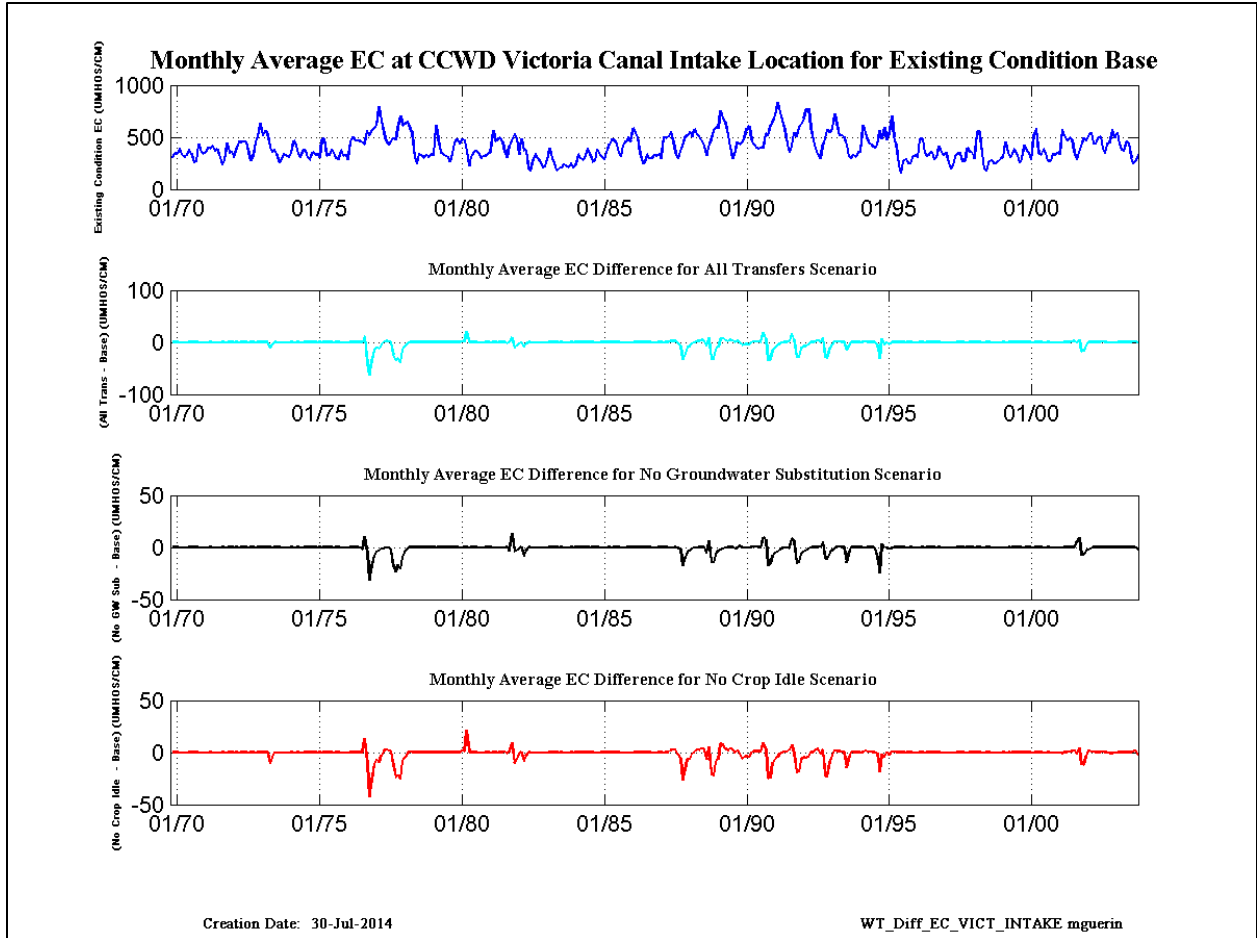


Figure 1-23. CCWD Intake location in Victoria Canal EC for the Base condition and change from Base for the scenarios.

Table 1-139. Upper Cache Slough location SLCCH016 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.5 | -1.9 |
| 1977 | -1.9 | -1.0 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | -0.6 | -2.2 | -1.4 |
| 1978 | -2.1 | -1.3 | -0.5 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 |
| 1982 | -0.1 | 0.0 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.0 | -2.0 |
| 1988 | -1.2 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.3 | -1.2 | -1.9 |
| 1989 | -1.9 | -0.9 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1990 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0.0 | 0.1 | -0.2 | -0.8 | -1.0 |
| 1991 | -1.2 | -0.5 | 0.0 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 | -0.1 | -0.6 | -0.9 |
| 1992 | -1.1 | -0.5 | 0.0 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | -0.2 | -1.0 | -1.0 |
| 1993 | -0.8 | -0.5 | -0.1 | 0.0 | 0.0 | -0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | -0.7 |
| 1995 | -0.4 | -0.1 | 0.0 | 0.0 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.7 | -1.0 |
| 2002 | -0.8 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 |
| Critical | -0.8 | -0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -0.9 | -1.2 |
| Dry | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-140. Upper Cache Slough location SLCCH016 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.0 |
| 1977 | -1.0 | -0.5 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -1.1 | -0.7 |
| 1978 | -1.1 | -0.7 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1982 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -1.0 |
| 1988 | -0.6 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.6 | -1.0 |
| 1989 | -1.0 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 |
| 1991 | -0.6 | -0.3 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.3 | -0.5 |
| 1992 | -0.6 | -0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.5 | -0.5 |
| 1993 | -0.4 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 |
| 1995 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 |
| 2002 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| Critical | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.5 | -0.7 |
| Dry | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-141. Montezuma Slough location SLMZU011 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.9 | -1.3 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -0.8 | 122.0 | -78.7 | -548.8 | -710.7 |
| 1977 | -414.0 | -156.6 | -69.9 | -15.5 | -3.1 | -7.5 | -6.3 | 2.9 | 39.6 | -172.3 | -530.7 | -474.6 |
| 1978 | -307.4 | -113.8 | -5.6 | 11.5 | 0.9 | 0.5 | 0.1 | 2.4 | 11.6 | 15.9 | 5.7 | 1.5 |
| 1979 | 0.2 | 0.0 | -0.8 | -6.4 | 6.3 | 10.2 | 8.9 | 11.7 | 8.5 | 2.9 | 0.8 | 0.1 |
| 1980 | 1.3 | 16.1 | 22.0 | 0.4 | -0.2 | 0.0 | 1.4 | 4.9 | 4.4 | 1.2 | 0.3 | 0.1 |
| 1981 | -0.1 | 0.3 | 2.1 | -0.4 | -6.2 | 2.2 | 6.4 | 11.1 | 13.1 | -36.1 | -219.5 | -312.2 |
| 1982 | -127.2 | 20.8 | 4.0 | -0.1 | -0.1 | -0.4 | 0.0 | 0.5 | 3.0 | 4.7 | 1.8 | 0.0 |
| 1983 | -32.6 | 1.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.3 | 6.9 |
| 1984 | 1.2 | 1.9 | 0.0 | 0.0 | 0.2 | 0.4 | 1.8 | 8.6 | 6.8 | 2.3 | 0.7 | 0.1 |
| 1985 | -0.3 | 1.0 | 9.7 | -0.1 | 1.6 | 6.3 | 4.6 | 7.2 | 7.2 | 2.9 | 1.6 | 1.1 |
| 1986 | 1.2 | 1.0 | 2.3 | 6.2 | 0.3 | 0.0 | 0.4 | 1.7 | 1.8 | 0.6 | 0.2 | 0.1 |
| 1987 | 0.0 | 0.1 | 0.5 | 3.2 | 5.3 | 3.0 | 2.5 | 2.7 | 16.5 | -141.1 | -577.4 | -792.1 |
| 1988 | -392.5 | -145.2 | 9.6 | 17.1 | 16.4 | 3.8 | 26.8 | 43.1 | 39.8 | -239.9 | -685.8 | -591.5 |
| 1989 | -347.2 | -116.5 | 37.3 | 66.1 | 10.4 | 46.9 | 46.9 | 75.5 | 26.8 | -8.9 | -136.7 | -220.3 |
| 1990 | -71.9 | -21.9 | -6.2 | 17.1 | 47.5 | 140.4 | 112.0 | 56.3 | 68.8 | -174.0 | -592.0 | -580.5 |
| 1991 | -370.3 | -138.3 | -62.0 | -20.4 | 26.6 | 97.1 | 32.0 | 71.9 | 100.2 | -152.8 | -541.5 | -473.7 |
| 1992 | -290.4 | -109.7 | -47.6 | -15.6 | 16.1 | 40.3 | 66.4 | 75.5 | 54.8 | -208.1 | -539.8 | -565.0 |
| 1993 | -317.5 | -109.0 | 60.0 | 33.4 | 5.2 | 12.4 | 9.8 | 16.6 | 57.3 | 91.2 | 35.6 | 12.8 |
| 1994 | 0.2 | 0.5 | -0.7 | 29.5 | 9.9 | 51.0 | 77.5 | 67.1 | 69.3 | -30.4 | -410.6 | -685.7 |
| 1995 | -255.5 | -76.4 | 9.5 | 17.7 | 1.8 | 0.0 | -0.7 | -0.2 | 1.6 | 7.9 | 32.1 | 39.8 |
| 1996 | -2.8 | 0.2 | 19.7 | 14.9 | 0.4 | 0.0 | 0.3 | 0.4 | 8.8 | 28.0 | 17.1 | 7.4 |
| 1997 | -10.2 | -19.4 | -0.2 | -0.1 | -0.2 | 3.3 | 11.3 | 16.9 | 19.1 | 12.9 | 3.5 | 5.0 |
| 1998 | -6.7 | -0.5 | 5.5 | 8.6 | -0.4 | -0.4 | 0.0 | 0.1 | 0.1 | 1.1 | 9.7 | 20.2 |
| 1999 | -1.9 | 10.8 | 5.4 | 1.3 | 0.1 | 0.1 | 0.8 | 3.7 | 10.1 | 11.8 | 4.3 | 1.4 |
| 2000 | 0.1 | 0.0 | -0.2 | 9.9 | 3.1 | 0.2 | 1.8 | 5.6 | 6.5 | 2.9 | 1.1 | 0.3 |
| 2001 | 0.0 | -0.1 | 1.3 | 2.7 | -10.7 | 3.0 | 6.4 | 28.7 | 54.7 | -227.8 | -676.0 | -630.5 |
| 2002 | -344.9 | -21.0 | 36.5 | 4.3 | 20.5 | 73.4 | 75.6 | 70.5 | 45.6 | 18.8 | 6.7 | 4.5 |
| 2003 | 1.5 | -1.3 | 13.9 | 3.2 | 2.5 | 11.5 | 11.6 | 3.7 | 19.9 | 32.0 | -43.0 | -63.8 |
| Average | -96.7 | -28.7 | 1.4 | 5.5 | 4.5 | 14.6 | 14.7 | 17.3 | 24.0 | -36.2 | -158.2 | -176.5 |
| Critical | -219.8 | -81.6 | -25.3 | 1.7 | 16.2 | 46.4 | 44.2 | 45.2 | 70.6 | -150.9 | -549.9 | -583.1 |
| Dry | -115.4 | -22.7 | 14.6 | 12.6 | 3.5 | 22.4 | 23.7 | 32.6 | 27.3 | -65.4 | -266.9 | -324.9 |
| BN | 0.1 | 0.0 | -0.4 | -3.2 | 3.2 | 5.1 | 4.4 | 5.9 | 4.3 | 1.5 | 0.4 | 0.0 |
| AN | -103.7 | -34.7 | 15.0 | 9.7 | 1.9 | 4.2 | 4.3 | 5.3 | 16.6 | 23.9 | 0.0 | -8.2 |
| Wet | -33.4 | -4.7 | 3.6 | 3.7 | 0.2 | 0.2 | 1.1 | 2.4 | 3.9 | 5.4 | 5.6 | 6.2 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-142. Montezuma Slough location SLMZU011 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | -0.6 | -4.0 | -4.6 |
| 1977 | -3.8 | -1.6 | -0.7 | -0.3 | -0.1 | -0.1 | -0.1 | 0.0 | 0.3 | -1.2 | -3.4 | -2.9 |
| 1978 | -2.9 | -1.2 | -0.1 | 1.2 | 0.3 | 0.2 | 0.0 | 0.4 | 0.6 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.2 | 0.7 | 1.6 | 0.8 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 0.6 | 0.1 | -0.1 | 0.0 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.1 | 0.0 | -0.5 | 0.2 | 0.3 | 0.3 | 0.2 | -0.4 | -1.9 | -2.2 |
| 1982 | -1.3 | 0.7 | 1.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.2 | 0.4 | 0.2 | 0.0 | 0.0 |
| 1983 | -1.4 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 |
| 1984 | 0.1 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.5 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.2 | -1.4 | -4.6 | -5.5 |
| 1988 | -4.0 | -1.6 | 0.2 | 1.2 | 1.2 | 0.1 | 0.3 | 0.5 | 0.4 | -2.2 | -5.1 | -3.9 |
| 1989 | -3.1 | -1.3 | 0.5 | 1.2 | 0.3 | 2.7 | 5.4 | 2.9 | 0.4 | -0.1 | -1.2 | -1.8 |
| 1990 | -0.9 | -0.3 | -0.1 | 0.4 | 2.5 | 3.0 | 1.7 | 0.7 | 0.7 | -1.3 | -4.1 | -3.8 |
| 1991 | -3.4 | -1.3 | -0.6 | -0.3 | 0.6 | 3.5 | 1.5 | 1.2 | 1.0 | -1.2 | -3.7 | -3.1 |
| 1992 | -2.7 | -1.1 | -0.5 | -0.2 | 0.7 | 2.6 | 1.9 | 1.1 | 0.6 | -1.9 | -3.8 | -3.7 |
| 1993 | -3.3 | -1.2 | 0.9 | 2.3 | 1.5 | 3.0 | 2.6 | 3.6 | 6.6 | 3.0 | 0.5 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.7 | 0.5 | 1.6 | 1.4 | 1.1 | 0.8 | -0.2 | -3.0 | -4.6 |
| 1995 | -3.1 | -1.0 | 0.1 | 2.1 | 0.5 | 0.0 | -0.3 | -0.1 | 0.6 | 1.1 | 1.1 | 0.8 |
| 1996 | -0.1 | 0.0 | 1.1 | 1.9 | 0.2 | 0.0 | 0.1 | 0.2 | 0.7 | 0.5 | 0.2 | 0.1 |
| 1997 | -0.4 | -0.9 | 0.0 | -0.1 | -0.1 | 0.6 | 0.8 | 0.7 | 0.4 | 0.2 | 0.0 | 0.1 |
| 1998 | -0.2 | 0.0 | 0.2 | 0.7 | -0.2 | -0.2 | 0.0 | 0.1 | 0.0 | 0.3 | 0.5 | 0.7 |
| 1999 | -0.1 | 0.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.1 | 0.3 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | 0.3 | 0.3 | 0.6 | 0.8 | -2.4 | -5.6 | -4.5 |
| 2002 | -3.7 | -0.3 | 1.4 | 0.8 | 2.4 | 3.6 | 3.3 | 2.3 | 0.8 | 0.2 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.5 | 0.8 | 0.5 | 0.9 | 1.0 | 0.8 | 1.0 | 0.6 | -0.5 | -0.7 |
| | | | | | | | | | | | | |
| Average | -1.0 | -0.3 | 0.2 | 0.4 | 0.3 | 0.7 | 0.7 | 0.6 | 0.6 | -0.2 | -1.1 | -1.2 |
| Critical | -2.1 | -0.8 | -0.2 | 0.2 | 0.8 | 1.5 | 1.0 | 0.7 | 0.7 | -1.2 | -3.9 | -3.8 |
| Dry | -1.1 | -0.2 | 0.4 | 0.4 | 0.3 | 1.2 | 1.6 | 1.1 | 0.4 | -0.7 | -2.2 | -2.3 |
| BN | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | 0.8 | 0.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -1.0 | -0.4 | 0.3 | 0.8 | 0.5 | 0.7 | 0.7 | 0.9 | 1.4 | 0.7 | 0.0 | -0.1 |
| Wet | -0.5 | 0.0 | 0.2 | 0.4 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table 1-143. Montezuma Slough location SLMZU025 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|------|------|-------|--------|--------|--------|
| 1970 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -1.5 | -1.1 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -1.2 | 56.2 | -216.8 | -744.1 | -788.5 |
| 1977 | -375.3 | -142.8 | -64.7 | -14.7 | -10.0 | -5.1 | -3.3 | 9.5 | 46.4 | -339.5 | -666.4 | -517.3 |
| 1978 | -282.7 | -104.4 | 0.6 | 3.7 | 0.6 | 0.3 | 0.2 | 0.8 | 6.2 | 9.6 | 4.1 | 1.1 |
| 1979 | 0.2 | 0.1 | -0.7 | 5.8 | 2.1 | 1.4 | 3.0 | 4.2 | 4.3 | 1.8 | 0.6 | 0.1 |
| 1980 | 1.5 | 17.9 | 27.1 | 1.8 | -0.5 | 0.1 | 0.4 | 1.7 | 1.9 | 0.6 | 0.2 | 0.1 |
| 1981 | -0.1 | 0.5 | 2.0 | 2.9 | -1.2 | 0.9 | 3.1 | 8.0 | 10.1 | -53.0 | -319.0 | -335.7 |
| 1982 | -110.2 | -14.8 | 0.0 | 0.1 | -0.4 | -0.3 | 0.0 | 0.1 | 0.9 | 2.5 | 1.3 | 0.0 |
| 1983 | 2.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.6 | 1.8 |
| 1984 | 4.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 4.0 | 4.0 | 1.3 | 0.4 | 0.0 |
| 1985 | -0.3 | 5.1 | 4.9 | 4.8 | 4.5 | 3.0 | 2.5 | 4.7 | 5.1 | 2.3 | 1.6 | 1.5 |
| 1986 | 1.2 | 1.1 | 7.4 | 3.1 | 0.0 | 0.0 | 0.2 | 0.6 | 0.9 | 0.3 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.7 | 0.3 | 3.6 | 2.5 | 0.9 | 1.3 | 3.7 | 21.6 | -235.6 | -762.9 | -842.9 |
| 1988 | -349.7 | -135.3 | 26.3 | 12.6 | 4.9 | 3.1 | 30.1 | 33.4 | 41.9 | -426.6 | -775.2 | -625.0 |
| 1989 | -320.0 | -102.3 | 55.0 | 62.5 | 9.1 | 15.0 | 16.6 | 35.1 | 17.9 | -21.4 | -204.9 | -215.4 |
| 1990 | -59.8 | -16.3 | -6.7 | 21.2 | 58.8 | 104.4 | 69.3 | 46.7 | 73.5 | -583.5 | -768.8 | -620.8 |
| 1991 | -339.5 | -123.9 | -58.8 | -19.8 | 36.5 | 30.1 | 24.9 | 67.0 | 104.8 | -353.4 | -652.2 | -503.1 |
| 1992 | -267.1 | -100.2 | -44.1 | -15.5 | 9.7 | 16.2 | 44.3 | 56.4 | 55.6 | -444.9 | -785.1 | -600.9 |
| 1993 | -282.4 | -100.4 | 78.3 | 16.0 | 1.3 | 3.1 | 1.2 | 3.1 | 18.4 | 46.6 | 22.8 | 6.8 |
| 1994 | 0.6 | 0.7 | -0.7 | 41.4 | 12.0 | 34.8 | 52.0 | 48.8 | 64.2 | -83.4 | -590.2 | -672.2 |
| 1995 | -221.9 | -74.8 | 18.4 | 5.5 | 0.5 | 0.0 | 0.1 | 0.0 | 0.2 | 2.2 | 22.1 | 20.9 |
| 1996 | -0.5 | 0.0 | 14.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.1 | 5.4 | 16.3 | 10.7 | 2.8 |
| 1997 | -1.7 | -0.6 | 0.2 | 0.0 | 0.0 | 0.9 | 3.7 | 8.4 | 11.1 | 6.6 | 1.8 | 2.0 |
| 1998 | -0.1 | 0.1 | 9.9 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 5.4 | 9.0 |
| 1999 | 2.9 | 5.4 | 1.2 | 0.1 | 0.0 | 0.0 | 0.1 | 1.3 | 6.2 | 7.0 | 2.7 | 0.5 |
| 2000 | 0.1 | 0.0 | -0.1 | 9.8 | 0.3 | 0.0 | 0.4 | 2.0 | 3.8 | 1.8 | 0.6 | 0.1 |
| 2001 | 0.0 | -0.1 | 1.7 | 7.2 | 2.0 | 0.8 | 3.1 | 25.7 | 52.9 | -390.6 | -729.9 | -654.2 |
| 2002 | -308.2 | -1.0 | 21.3 | 1.1 | 11.9 | 29.0 | 34.7 | 37.4 | 30.4 | 13.1 | 6.6 | 5.3 |
| 2003 | 1.1 | -1.1 | 7.0 | 0.3 | 0.5 | 3.7 | 2.7 | 0.5 | 21.3 | 1.6 | -45.6 | -49.5 |
| Average | -85.4 | -26.0 | 2.9 | 4.7 | 4.3 | 7.1 | 8.5 | 11.8 | 19.6 | -89.3 | -204.8 | -187.5 |
| Critical | -198.7 | -74.0 | -21.2 | 3.6 | 16.0 | 26.2 | 31.1 | 37.2 | 63.2 | -349.7 | -711.7 | -618.3 |
| Dry | -104.8 | -16.2 | 14.2 | 13.7 | 4.8 | 8.3 | 10.2 | 19.1 | 23.0 | -114.2 | -334.8 | -340.2 |
| BN | 0.1 | 0.0 | -0.4 | 2.9 | 1.0 | 0.7 | 1.5 | 2.1 | 2.1 | 0.9 | 0.3 | 0.0 |
| AN | -93.7 | -31.3 | 18.8 | 5.3 | 0.4 | 1.1 | 0.6 | 1.2 | 8.6 | 10.0 | -3.0 | -6.9 |
| Wet | -24.9 | -6.3 | 4.0 | 1.1 | 0.0 | 0.1 | 0.4 | 1.1 | 2.2 | 2.8 | 3.5 | 2.8 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-144. Montezuma Slough location SLMZU025 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -2.3 | -7.4 | -6.6 |
| 1977 | -3.6 | -1.5 | -0.7 | -0.3 | -0.3 | -0.1 | -0.1 | 0.1 | 0.5 | -3.0 | -5.5 | -4.0 |
| 1978 | -2.9 | -1.1 | 0.0 | 1.0 | 0.3 | 0.1 | 0.1 | 0.3 | 0.8 | 0.4 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7 | 0.5 | 0.7 | 0.8 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 0.9 | 0.6 | -0.2 | 0.0 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.1 | 0.2 | -0.3 | 0.2 | 0.4 | 0.4 | 0.2 | -0.9 | -3.9 | -3.3 |
| 1982 | -1.2 | -1.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1983 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 |
| 1984 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.6 | 0.6 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.4 | -3.4 | -8.3 | -7.7 |
| 1988 | -3.8 | -1.5 | 0.7 | 2.4 | 0.8 | 0.1 | 0.7 | 0.7 | 0.8 | -5.5 | -7.7 | -5.3 |
| 1989 | -3.0 | -1.2 | 0.7 | 1.3 | 0.2 | 2.5 | 5.0 | 3.0 | 0.5 | -0.3 | -2.6 | -2.6 |
| 1990 | -0.8 | -0.2 | -0.1 | 0.8 | 5.0 | 4.6 | 2.0 | 1.0 | 1.0 | -6.0 | -7.1 | -5.2 |
| 1991 | -3.3 | -1.2 | -0.6 | -0.3 | 0.9 | 3.1 | 2.6 | 1.8 | 1.4 | -3.6 | -6.1 | -4.2 |
| 1992 | -2.6 | -1.0 | -0.4 | -0.2 | 1.0 | 2.8 | 2.8 | 1.3 | 0.9 | -5.6 | -7.3 | -5.0 |
| 1993 | -3.1 | -1.1 | 1.2 | 3.0 | 0.6 | 1.4 | 0.6 | 1.4 | 5.7 | 2.9 | 0.4 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.1 | 1.3 | 2.4 | 2.0 | 1.5 | 1.1 | -1.0 | -6.1 | -6.1 |
| 1995 | -3.0 | -1.0 | 0.3 | 1.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 1.5 | 1.0 |
| 1996 | 0.0 | 0.0 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.6 | 0.2 | 0.1 |
| 1997 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.4 | 0.8 | 0.9 | 0.4 | 0.2 | 0.0 | 0.1 |
| 1998 | 0.0 | 0.0 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.9 |
| 1999 | 0.2 | 0.8 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.5 | 0.3 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.8 | 0.1 | 0.0 | 0.2 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.2 | 0.4 | 1.0 | 1.3 | -6.1 | -8.5 | -6.2 |
| 2002 | -3.5 | 0.0 | 1.7 | 0.5 | 3.3 | 4.2 | 4.5 | 2.9 | 0.8 | 0.2 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.6 | 0.2 | 0.2 | 0.9 | 0.8 | 0.2 | 1.7 | 0.1 | -0.9 | -1.1 |
| | | | | | | | | | | | | |
| Average | -0.9 | -0.2 | 0.2 | 0.5 | 0.4 | 0.7 | 0.7 | 0.6 | 0.6 | -0.9 | -2.0 | -1.6 |
| Critical | -2.0 | -0.8 | -0.2 | 0.5 | 1.2 | 1.8 | 1.4 | 0.9 | 0.9 | -3.9 | -6.7 | -5.2 |
| Dry | -1.1 | -0.1 | 0.5 | 0.4 | 0.7 | 1.3 | 1.8 | 1.3 | 0.5 | -1.7 | -3.9 | -3.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.2 | 0.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -1.0 | -0.3 | 0.5 | 0.9 | 0.2 | 0.4 | 0.2 | 0.4 | 1.4 | 0.6 | -0.1 | -0.1 |
| Wet | -0.3 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |

Table 1-145. Suisun Slough location SLSUS012 salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|-------|-------|-------|-------|------|------|--------|--------|--------|
| 1970 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 2.3 | -0.9 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -0.7 | 2.7 | -68.5 | -424.4 | -595.7 |
| 1977 | -449.7 | -219.4 | -109.7 | -49.2 | -12.6 | -16.9 | -11.5 | -2.3 | 17.6 | -130.8 | -422.7 | -411.4 |
| 1978 | -328.3 | -162.2 | -50.8 | 2.4 | -2.7 | -6.4 | -5.9 | -2.2 | 8.4 | 14.0 | 3.5 | -1.2 |
| 1979 | -2.6 | -2.5 | -3.3 | 0.1 | 8.6 | 7.4 | 9.3 | 12.8 | 9.4 | 2.4 | 0.0 | -0.9 |
| 1980 | -0.3 | 9.2 | 25.0 | 5.5 | 1.4 | -0.1 | 1.2 | 5.4 | 5.0 | 1.3 | 0.2 | -0.2 |
| 1981 | -0.4 | -0.2 | 1.6 | 3.8 | 1.9 | 3.2 | 7.2 | 11.4 | 12.9 | -29.6 | -170.9 | -256.9 |
| 1982 | -158.5 | -38.0 | -9.5 | -7.0 | -3.1 | -2.2 | -1.7 | 1.3 | 2.7 | 5.1 | 0.8 | -0.7 |
| 1983 | -12.5 | 3.1 | 0.8 | -0.7 | -0.5 | -0.5 | -1.2 | -0.6 | -0.5 | 0.1 | 3.3 | 7.2 |
| 1984 | 4.2 | 2.7 | 0.2 | -0.1 | 0.1 | 0.5 | 2.1 | 6.3 | 7.0 | 2.8 | 1.0 | 0.3 |
| 1985 | -0.2 | 5.7 | 14.6 | 8.0 | 5.5 | 6.4 | 5.0 | 7.4 | 7.3 | 2.8 | 1.8 | 1.2 |
| 1986 | 1.1 | 0.9 | 1.6 | 9.4 | 2.5 | 0.7 | 0.9 | 2.3 | 2.3 | 0.9 | 0.5 | 0.3 |
| 1987 | 0.2 | 0.1 | 0.3 | 2.5 | 6.7 | 4.5 | 3.1 | 2.3 | 12.1 | -109.8 | -464.8 | -667.9 |
| 1988 | -453.1 | -212.6 | -51.1 | 19.0 | 19.3 | 1.5 | 19.5 | 37.3 | 30.3 | -181.2 | -554.0 | -525.9 |
| 1989 | -382.7 | -182.0 | -37.0 | 41.3 | 8.3 | 39.4 | 54.7 | 85.4 | 29.0 | -4.7 | -111.1 | -187.5 |
| 1990 | -102.3 | -34.9 | -17.4 | 10.9 | 59.3 | 143.8 | 115.9 | 58.5 | 61.1 | -161.8 | -511.6 | -503.3 |
| 1991 | -396.3 | -185.6 | -94.7 | -43.4 | 0.4 | 63.8 | 53.1 | 79.2 | 90.2 | -104.1 | -423.6 | -412.7 |
| 1992 | -317.1 | -157.0 | -74.8 | -35.2 | 23.1 | 35.6 | 61.8 | 71.3 | 47.3 | -177.6 | -506.2 | -500.3 |
| 1993 | -352.2 | -165.6 | -14.6 | 43.4 | 4.1 | 17.5 | 13.1 | 18.0 | 68.3 | 102.9 | 40.5 | 14.7 |
| 1994 | 1.7 | -2.0 | -1.9 | 16.5 | 36.6 | 59.1 | 77.4 | 68.7 | 69.2 | -16.7 | -292.7 | -447.1 |
| 1995 | -316.7 | -110.1 | -31.8 | 19.5 | 2.3 | -0.6 | -2.8 | -3.2 | -0.5 | 8.6 | 31.5 | 40.9 |
| 1996 | 6.4 | 0.6 | 22.3 | 21.1 | 4.4 | 0.6 | 0.1 | 0.4 | 8.6 | 23.3 | 10.9 | 5.7 |
| 1997 | -2.8 | -10.4 | -1.9 | -2.3 | -3.7 | 4.4 | 12.6 | 17.8 | 18.2 | 9.3 | 3.4 | 2.9 |
| 1998 | -2.0 | -0.4 | 5.8 | 13.0 | 1.5 | 0.6 | 0.5 | 0.4 | 0.4 | 1.6 | 9.2 | 19.0 |
| 1999 | 4.0 | 13.6 | 13.2 | 4.0 | 1.3 | 0.6 | 1.5 | 5.0 | 13.3 | 11.8 | 6.9 | 1.2 |
| 2000 | 0.7 | 0.5 | 0.0 | 14.8 | 10.0 | 2.2 | 2.8 | 7.3 | 7.7 | 4.1 | 1.6 | 0.7 |
| 2001 | 0.4 | 0.2 | 0.5 | 4.7 | -2.7 | 4.0 | 7.5 | 28.3 | 53.3 | -173.3 | -542.8 | -550.0 |
| 2002 | -397.8 | -134.2 | 15.9 | 2.2 | 27.1 | 76.9 | 84.8 | 90.1 | 50.3 | 20.3 | 6.9 | 3.6 |
| 2003 | 1.3 | -1.6 | 21.7 | 7.8 | 3.1 | 11.4 | 14.2 | 6.2 | 24.4 | 34.7 | -34.1 | -58.9 |
| Average | -107.5 | -46.5 | -11.0 | 3.3 | 5.9 | 13.5 | 15.5 | 18.0 | 19.3 | -26.8 | -127.6 | -147.7 |
| Critical | -245.3 | -115.9 | -49.9 | -11.6 | 18.0 | 41.0 | 45.2 | 44.5 | 45.5 | -120.1 | -447.9 | -485.2 |
| Dry | -130.1 | -51.7 | -0.7 | 10.4 | 7.8 | 22.4 | 27.0 | 37.5 | 27.5 | -49.1 | -213.5 | -276.2 |
| BN | -1.3 | -1.3 | -1.7 | 0.1 | 4.3 | 3.7 | 4.6 | 6.4 | 4.7 | 1.2 | 0.0 | -0.5 |
| AN | -113.1 | -53.3 | -3.1 | 12.3 | 2.7 | 4.4 | 4.6 | 5.6 | 18.9 | 26.1 | 1.9 | -7.5 |
| Wet | -36.7 | -10.6 | 0.0 | 4.4 | 0.4 | 0.3 | 0.9 | 2.3 | 4.0 | 4.9 | 5.2 | 5.9 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-146. Suisun Slough location SLSUS012 salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -2.8 | -3.7 |
| 1977 | -3.2 | -1.7 | -0.9 | -0.5 | -0.2 | -0.2 | -0.1 | 0.0 | 0.1 | -0.8 | -2.5 | -2.3 |
| 1978 | -2.2 | -1.3 | -0.5 | 0.1 | -0.2 | -0.6 | -0.6 | -0.2 | 0.3 | 0.2 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | -0.3 | -1.3 | -1.7 |
| 1982 | -1.2 | -0.5 | -0.4 | -0.7 | -0.4 | -0.4 | -0.3 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1983 | -0.3 | 0.1 | 0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.3 |
| 1984 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -1.0 | -3.5 | -4.4 |
| 1988 | -3.5 | -1.8 | -0.5 | 0.4 | 0.6 | 0.0 | 0.2 | 0.4 | 0.3 | -1.5 | -3.8 | -3.3 |
| 1989 | -2.7 | -1.4 | -0.3 | 0.4 | 0.1 | 1.0 | 2.8 | 2.3 | 0.4 | 0.0 | -0.9 | -1.4 |
| 1990 | -0.9 | -0.3 | -0.2 | 0.1 | 1.1 | 2.2 | 1.4 | 0.6 | 0.5 | -1.1 | -3.3 | -3.1 |
| 1991 | -2.8 | -1.4 | -0.7 | -0.4 | 0.0 | 1.2 | 1.4 | 1.1 | 0.8 | -0.7 | -2.7 | -2.5 |
| 1992 | -2.2 | -1.2 | -0.6 | -0.3 | 0.4 | 1.1 | 1.3 | 0.9 | 0.4 | -1.4 | -3.4 | -3.0 |
| 1993 | -2.6 | -1.4 | -0.1 | 1.0 | 0.3 | 1.3 | 1.1 | 1.7 | 4.2 | 2.6 | 0.5 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | 1.2 | 1.1 | 0.9 | 0.7 | -0.1 | -2.0 | -2.8 |
| 1995 | -2.5 | -1.0 | -0.3 | 0.5 | 0.1 | -0.1 | -0.3 | -0.5 | -0.1 | 0.7 | 0.8 | 0.7 |
| 1996 | 0.1 | 0.0 | 0.5 | 1.0 | 0.6 | 0.1 | 0.0 | 0.1 | 0.5 | 0.4 | 0.1 | 0.1 |
| 1997 | -0.1 | -0.2 | -0.1 | -0.4 | -0.6 | 0.4 | 0.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.4 | 0.5 |
| 1999 | 0.1 | 0.4 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.2 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.2 | 0.3 | 0.5 | 0.6 | -1.6 | -4.2 | -3.7 |
| 2002 | -3.1 | -1.2 | 0.2 | 0.1 | 1.5 | 2.4 | 2.5 | 2.2 | 0.7 | 0.2 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.7 | 0.5 | 0.9 | 0.5 | -0.4 | -0.6 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.4 | -0.1 | 0.1 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | -0.1 | -0.8 | -0.9 |
| Critical | -1.8 | -0.9 | -0.4 | -0.1 | 0.4 | 0.8 | 0.8 | 0.5 | 0.4 | -0.9 | -2.9 | -3.0 |
| Dry | -1.0 | -0.4 | 0.1 | 0.1 | 0.3 | 0.7 | 1.0 | 0.9 | 0.4 | -0.4 | -1.6 | -1.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.4 | 0.0 | 0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 1.0 | 0.6 | 0.0 | -0.1 |
| Wet | -0.3 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table 1-147. CCWD Intake location in Victoria Canal salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | -10.6 | -4.4 | 0.0 | -0.4 | 0.0 | 0.0 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 11.9 | -40.5 | -63.2 |
| 1977 | -34.5 | -14.5 | -9.7 | -11.5 | -3.7 | 1.0 | 2.8 | 1.7 | 1.2 | -23.6 | -35.1 | -31.4 |
| 1978 | -38.5 | -13.8 | -7.4 | -1.6 | 0.7 | 0.4 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 2.0 | 1.0 | 21.8 | 0.4 | 0.2 | 0.3 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.5 | 0.9 | -1.3 | 0.4 | 9.6 |
| 1982 | -10.1 | -6.7 | -1.2 | 0.4 | -8.0 | -3.4 | 0.4 | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 |
| 1983 | -0.2 | -0.1 | -0.3 | 0.0 | 0.5 | 0.3 | 0.1 | -0.3 | 0.2 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | -0.1 | -0.2 | -0.3 |
| 1986 | 0.0 | 0.0 | -0.2 | 0.4 | 0.1 | 0.3 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.0 | 0.2 | 0.1 | -0.2 | 0.1 | 0.0 | 2.5 | 2.9 | 2.5 | -2.2 | -6.7 | -32.9 |
| 1988 | -21.0 | -8.7 | -7.8 | -1.3 | 0.2 | 2.6 | 2.4 | 4.1 | 3.0 | -7.5 | 8.9 | -31.2 |
| 1989 | -31.5 | -13.0 | -8.2 | 6.4 | 7.2 | 3.5 | 1.5 | 4.2 | 3.0 | -0.4 | 2.5 | -0.9 |
| 1990 | -5.9 | -4.5 | -3.9 | -4.2 | -0.3 | 1.2 | 1.4 | 1.1 | 0.8 | 18.6 | 7.2 | -34.1 |
| 1991 | -33.3 | -14.4 | -9.9 | -6.5 | -2.3 | -0.5 | 0.6 | 0.6 | 2.9 | 16.1 | 5.1 | -28.9 |
| 1992 | -27.5 | -11.3 | -7.7 | -7.1 | -4.7 | 0.1 | 0.5 | 2.9 | 3.3 | 0.6 | 8.5 | -28.7 |
| 1993 | -30.3 | -11.1 | -4.4 | 1.6 | 1.3 | 1.0 | 0.7 | 0.7 | -14.5 | -6.9 | 0.6 | 0.3 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.4 | 1.5 | 0.8 | 0.6 | 0.5 | 0.4 | -4.8 | -30.5 | 6.0 |
| 1995 | -4.9 | -0.4 | -4.1 | 0.0 | 0.7 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.0 | 0.1 |
| 1996 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | -0.1 | 0.3 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | -0.1 | -0.3 |
| 1998 | 0.3 | 0.4 | 0.2 | 0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.2 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.3 | 0.1 | 0.3 | 0.3 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | -0.1 | -0.1 | -0.6 | 0.1 | 0.1 | 0.9 | 1.0 | 2.1 | -0.9 | 4.3 | -17.7 |
| 2002 | -16.5 | -5.8 | 0.8 | 0.7 | 0.6 | 0.3 | 0.2 | 0.1 | 1.2 | 0.1 | -0.1 | -0.8 |
| 2003 | -0.9 | -0.1 | -0.1 | 0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 1.1 | 1.5 | -2.6 |
| | | | | | | | | | | | | |
| Average | -7.5 | -3.1 | -1.8 | -0.6 | 0.5 | 0.0 | 0.4 | 0.7 | 0.3 | 0.0 | -2.2 | -7.6 |
| Critical | -17.5 | -7.6 | -5.6 | -4.3 | -1.3 | 0.7 | 1.2 | 1.6 | 1.7 | 1.6 | -10.9 | -30.2 |
| Dry | -8.0 | -3.1 | -1.2 | 1.1 | 1.4 | 0.7 | 0.9 | 1.5 | 1.7 | -0.8 | 0.0 | -7.2 |
| BN | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -11.6 | -4.2 | -1.7 | 0.2 | 4.0 | -1.4 | -0.5 | 0.2 | -2.4 | -0.9 | 0.3 | -0.4 |
| Wet | -1.2 | -0.6 | -0.4 | 0.1 | -0.5 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-148. CCWD Intake location in Victoria Canal salinity (EC) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | -1.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | -7.2 | -12.2 |
| 1977 | -6.0 | -2.5 | -1.6 | -1.5 | -0.6 | 0.2 | 0.6 | 0.4 | 0.3 | -4.9 | -7.4 | -5.3 |
| 1978 | -5.4 | -2.3 | -1.2 | -0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.2 | 6.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.4 | 0.1 | 2.1 |
| 1982 | -1.9 | -1.4 | -0.4 | 0.1 | -2.2 | -0.9 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 | 0.7 | -0.7 | -1.8 | -7.8 |
| 1988 | -4.2 | -1.7 | -1.4 | -0.3 | 0.0 | 0.5 | 0.5 | 0.9 | 0.7 | -2.3 | 2.2 | -6.5 |
| 1989 | -5.6 | -2.2 | -1.4 | 0.8 | 1.1 | 0.5 | 0.3 | 1.0 | 1.0 | -0.1 | 0.6 | -0.2 |
| 1990 | -1.3 | -0.9 | -0.7 | -0.7 | -0.1 | 0.3 | 0.3 | 0.3 | 0.2 | 4.6 | 1.3 | -6.6 |
| 1991 | -5.4 | -2.2 | -1.4 | -0.8 | -0.3 | -0.1 | 0.1 | 0.1 | 0.8 | 3.9 | 0.9 | -5.7 |
| 1992 | -4.6 | -1.8 | -1.1 | -0.9 | -0.6 | 0.0 | 0.1 | 0.7 | 1.0 | 0.2 | 2.0 | -5.9 |
| 1993 | -5.3 | -2.0 | -0.7 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | -3.4 | -2.2 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | -1.1 | -5.4 | 1.2 |
| 1995 | -0.8 | -0.1 | -0.8 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.6 | -0.3 | 1.2 | -4.3 |
| 2002 | -3.3 | -1.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | -0.2 |
| 2003 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 | -0.8 |
| | | | | | | | | | | | | |
| Average | -1.3 | -0.5 | -0.3 | -0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.4 | -1.5 |
| Critical | -3.1 | -1.3 | -0.9 | -0.6 | -0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | -1.9 | -5.9 |
| Dry | -1.5 | -0.6 | -0.2 | 0.1 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | -0.3 | 0.0 | -1.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.8 | -0.7 | -0.3 | 0.0 | 1.1 | -0.3 | -0.1 | 0.1 | -0.6 | -0.3 | 0.1 | -0.1 |
| Wet | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-149. Upper Cache Slough location SLCCH016 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.4 | -1.1 |
| 1977 | -1.1 | -0.7 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -1.6 | -1.0 |
| 1978 | -1.4 | -1.0 | -0.5 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -1.2 |
| 1988 | -0.7 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 | -1.1 |
| 1989 | -1.2 | -0.7 | -0.3 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 | -0.5 | -0.7 |
| 1991 | -0.8 | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.4 | -0.6 |
| 1992 | -0.8 | -0.5 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.6 | -0.6 |
| 1993 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.4 |
| 1995 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 |
| 2002 | -0.5 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| Critical | -0.5 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.6 | -0.8 |
| Dry | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-150. Upper Cache Slough location SLCCH016 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.2 | -0.6 |
| 1977 | -0.6 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.8 | -0.5 |
| 1978 | -0.7 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.6 |
| 1988 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.6 |
| 1989 | -0.6 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.3 |
| 1991 | -0.4 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.3 |
| 1992 | -0.4 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.3 |
| 1993 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.3 |
| 2002 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| Critical | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 |
| Dry | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-151. Montezuma Slough location SLMZU011 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|------|------|------|-------|-------|--------|--------|--------|
| 1970 | -0.6 | 0.0 | -0.5 | 0.0 | -0.1 | -0.1 | -0.3 | -4.1 | -4.9 | -5.3 | -2.5 | -3.2 |
| 1971 | 7.9 | 0.2 | -0.1 | 0.3 | 4.1 | -1.0 | 0.0 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 |
| 1972 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.2 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | -35.5 | 18.6 | -98.6 | -324.2 | -351.6 |
| 1977 | -206.0 | -82.4 | -40.3 | -12.7 | 1.3 | -2.7 | -2.9 | -40.6 | -60.9 | -145.4 | -337.7 | -281.6 |
| 1978 | -170.8 | -67.9 | -21.8 | 2.5 | -0.1 | 0.0 | -0.3 | -0.7 | -1.0 | -0.7 | -0.7 | -0.7 |
| 1979 | -0.1 | -0.1 | -0.4 | 0.4 | -1.1 | -1.9 | -0.1 | 0.0 | 0.1 | -0.4 | -1.0 | -0.9 |
| 1980 | -0.1 | 0.0 | 0.0 | 0.2 | 0.0 | -0.2 | 0.1 | 0.0 | -0.1 | -0.1 | 0.2 | 0.5 |
| 1981 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | 0.2 | -0.4 | -0.2 | -0.6 | -5.2 | -64.0 | -52.1 |
| 1982 | 27.8 | 10.1 | 2.8 | 0.0 | -0.1 | -0.5 | 0.0 | 0.4 | 0.7 | 0.0 | -0.1 | -0.1 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.2 | -0.2 | -0.3 | -0.3 | 0.4 |
| 1985 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | -0.2 | 0.7 | 2.7 |
| 1986 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.2 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.4 | 3.4 | 16.5 | -51.7 | -260.1 | -369.1 |
| 1988 | -182.8 | -71.0 | -14.2 | -4.0 | -1.1 | -1.1 | -0.1 | 3.4 | 21.1 | -116.8 | -346.3 | -278.9 |
| 1989 | -169.7 | -58.9 | -28.1 | -8.8 | -7.5 | 22.6 | 31.7 | 54.9 | 17.7 | -7.2 | -37.4 | -28.3 |
| 1990 | -2.3 | -2.0 | -1.7 | -2.1 | 20.1 | 75.7 | 47.6 | -32.8 | -71.4 | -145.7 | -330.0 | -316.6 |
| 1991 | -194.2 | -78.9 | -41.4 | -17.8 | -5.5 | -3.2 | -0.8 | -33.2 | -61.4 | -142.7 | -329.9 | -269.1 |
| 1992 | -158.7 | -64.1 | -33.2 | -12.6 | 0.0 | 4.0 | 0.6 | 0.9 | 20.4 | -139.8 | -387.5 | -274.8 |
| 1993 | -153.2 | -54.7 | -27.3 | 10.4 | 3.4 | 3.1 | 1.8 | 5.2 | 32.4 | 63.8 | 22.4 | 5.7 |
| 1994 | 0.9 | 0.4 | 0.0 | 0.0 | 0.0 | -0.5 | -0.2 | -11.2 | -39.1 | -76.9 | -213.0 | -279.5 |
| 1995 | -107.2 | -34.1 | -15.6 | 0.2 | -1.7 | 0.0 | 0.0 | -0.2 | 0.7 | 2.1 | 3.1 | 4.1 |
| 1996 | -7.5 | 0.0 | 3.1 | 0.8 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | 0.0 |
| 1997 | -0.1 | 0.0 | -0.1 | 0.0 | -0.2 | 0.1 | 0.1 | 0.0 | -0.4 | -0.8 | 0.2 | -0.4 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | -0.1 | 0.1 | 0.0 | 0.1 | -0.1 | -0.5 | -0.4 |
| 1999 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | 0.2 | -1.1 | 0.1 |
| 2000 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.5 | 0.2 | 0.2 | -0.3 | 0.0 | -0.1 |
| 2001 | 0.1 | 0.0 | 0.0 | 0.4 | -0.9 | -0.9 | -0.4 | 3.4 | 21.1 | -143.5 | -403.8 | -307.4 |
| 2002 | -163.1 | -42.3 | 5.6 | -3.2 | 11.1 | 29.9 | 36.4 | 42.7 | 12.7 | 5.7 | 2.0 | 1.0 |
| 2003 | 0.4 | 0.0 | 0.0 | -0.8 | -0.7 | -0.4 | -0.2 | 0.2 | 1.9 | -2.6 | 2.6 | 9.1 |
| | | | | | | | | | | | | |
| Average | -43.5 | -16.1 | -6.3 | -1.4 | 0.6 | 3.6 | 3.3 | -1.3 | -2.2 | -29.8 | -88.5 | -82.1 |
| Critical | -106.2 | -42.6 | -18.7 | -7.0 | 2.1 | 10.3 | 6.4 | -21.3 | -24.7 | -123.7 | -324.1 | -293.2 |
| Dry | -55.4 | -16.9 | -3.7 | -2.0 | 0.5 | 8.6 | 11.3 | 17.4 | 11.3 | -33.7 | -127.1 | -125.5 |
| BN | -0.1 | -0.1 | -0.3 | 0.2 | -0.5 | -0.8 | 0.0 | -0.1 | 0.0 | -0.3 | -0.6 | -0.5 |
| AN | -54.0 | -20.4 | -8.2 | 2.1 | 0.4 | 0.4 | 0.1 | 0.8 | 5.5 | 10.0 | 4.1 | 2.4 |
| Wet | -6.1 | -1.8 | -0.8 | 0.1 | 0.2 | -0.1 | 0.0 | -0.4 | -0.3 | -0.4 | -0.1 | 0.0 |

Table 1-152. Montezuma Slough location SLMZU011 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1971 | 0.3 | 0.0 | 0.0 | 0.1 | 0.9 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.2 | -0.7 | -2.3 | -2.3 |
| 1977 | -1.9 | -0.8 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | -0.4 | -0.5 | -1.0 | -2.1 | -1.7 |
| 1978 | -1.6 | -0.7 | -0.4 | 0.3 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.4 |
| 1982 | 0.3 | 0.3 | 0.7 | 0.0 | 0.0 | -0.2 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.5 | -2.1 | -2.6 |
| 1988 | -1.9 | -0.8 | -0.3 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | -1.1 | -2.6 | -1.8 |
| 1989 | -1.5 | -0.6 | -0.4 | -0.2 | -0.2 | 1.3 | 3.6 | 2.1 | 0.3 | -0.1 | -0.3 | -0.2 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.1 | 1.1 | 1.6 | 0.7 | -0.4 | -0.7 | -1.1 | -2.3 | -2.1 |
| 1991 | -1.8 | -0.7 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | -0.5 | -0.6 | -1.1 | -2.3 | -1.7 |
| 1992 | -1.5 | -0.6 | -0.3 | -0.2 | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | -1.3 | -2.8 | -1.8 |
| 1993 | -1.6 | -0.6 | -0.4 | 0.7 | 1.0 | 0.7 | 0.5 | 1.1 | 3.7 | 2.1 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 | -0.6 | -1.6 | -1.9 |
| 1995 | -1.3 | -0.5 | -0.2 | 0.0 | -0.5 | 0.0 | 0.0 | -0.1 | 0.3 | 0.3 | 0.1 | 0.1 |
| 1996 | -0.3 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 0.3 | -1.5 | -3.4 | -2.2 |
| 2002 | -1.7 | -0.5 | 0.2 | -0.6 | 1.3 | 1.5 | 1.6 | 1.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | -0.2 | -0.6 | -0.5 |
| Critical | -1.0 | -0.4 | -0.2 | -0.1 | 0.1 | 0.2 | 0.1 | -0.3 | -0.2 | -1.0 | -2.3 | -1.9 |
| Dry | -0.5 | -0.2 | 0.0 | -0.1 | 0.2 | 0.4 | 0.9 | 0.6 | 0.2 | -0.3 | -1.0 | -0.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 | 0.6 | 0.3 | 0.1 | 0.0 |
| Wet | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-153. Montezuma Slough location SLMZU025 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|------|------|------|-------|-------|--------|--------|--------|
| 1970 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.6 | -2.2 | -2.2 | -1.3 | -1.1 |
| 1971 | 0.6 | 0.0 | 0.0 | 0.0 | 1.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -60.5 | -51.5 | -188.5 | -395.9 | -376.4 |
| 1977 | -187.3 | -75.8 | -38.2 | -11.4 | -4.2 | -2.6 | -1.1 | -54.8 | -53.8 | -234.8 | -405.4 | -297.4 |
| 1978 | -155.7 | -63.2 | -20.6 | 0.2 | 0.4 | 0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.2 | -0.2 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.1 | -0.1 | -0.2 | -0.3 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.4 | 8.0 | -99.7 | -38.5 |
| 1982 | 28.8 | -25.0 | 0.1 | 0.0 | -0.4 | -0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.0 | 21.2 | -92.9 | -348.2 | -391.8 |
| 1988 | -165.2 | -66.4 | -17.6 | -1.6 | -0.2 | -0.3 | -0.1 | 6.1 | 29.9 | -213.3 | -383.3 | -286.8 |
| 1989 | -155.3 | -52.6 | -27.6 | -8.1 | -9.2 | 7.3 | 11.3 | 24.9 | 10.5 | -13.6 | -46.0 | -22.3 |
| 1990 | -1.2 | -1.8 | -1.5 | -1.9 | 35.1 | 52.9 | 29.3 | -44.0 | -49.9 | -398.8 | -444.4 | -328.2 |
| 1991 | -177.5 | -70.8 | -39.1 | -16.7 | -6.2 | -1.1 | -0.1 | -37.3 | -43.1 | -241.0 | -387.3 | -274.8 |
| 1992 | -144.5 | -59.6 | -32.0 | -12.4 | 0.1 | 0.9 | 0.6 | 5.0 | 32.8 | -265.9 | -423.4 | -289.9 |
| 1993 | -134.7 | -53.2 | -26.0 | 2.8 | 0.9 | 0.8 | 0.1 | 0.9 | 10.9 | 32.8 | 15.4 | 3.9 |
| 1994 | 0.7 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | -12.1 | -42.9 | -80.2 | -302.4 | -300.1 |
| 1995 | -90.9 | -32.5 | -15.5 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 2.2 | 2.2 |
| 1996 | -1.7 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.1 | -0.1 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1999 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.3 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | -0.1 | 0.1 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 4.0 | 28.1 | -240.5 | -401.9 | -301.8 |
| 2002 | -147.0 | -40.9 | -15.0 | -0.3 | 6.9 | 12.0 | 17.7 | 18.5 | 7.3 | 3.2 | 1.3 | 0.5 |
| 2003 | 0.2 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 1.3 | -7.5 | 9.8 | 9.2 |
| | | | | | | | | | | | | |
| Average | -39.2 | -15.9 | -6.8 | -1.4 | 0.7 | 2.0 | 1.7 | -4.3 | -3.0 | -56.9 | -106.2 | -85.1 |
| Critical | -96.4 | -39.2 | -18.3 | -6.3 | 3.5 | 7.1 | 4.2 | -28.2 | -25.5 | -231.8 | -391.7 | -307.6 |
| Dry | -50.4 | -15.6 | -7.1 | -1.4 | -0.4 | 3.2 | 4.8 | 8.7 | 11.1 | -56.0 | -149.1 | -125.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.2 |
| AN | -48.4 | -19.4 | -7.8 | 0.5 | 0.2 | 0.1 | 0.0 | 0.2 | 2.0 | 4.2 | 4.2 | 2.2 |
| Wet | -4.9 | -4.4 | -1.2 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 |

Table 1-154. Montezuma Slough location SLMZU025 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.6 | -2.0 | -3.9 | -3.2 |
| 1977 | -1.8 | -0.8 | -0.4 | -0.3 | -0.1 | -0.1 | 0.0 | -0.7 | -0.5 | -2.1 | -3.4 | -2.3 |
| 1978 | -1.6 | -0.7 | -0.4 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -1.2 | -0.4 |
| 1982 | 0.3 | -1.6 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | -1.4 | -3.8 | -3.6 |
| 1988 | -1.8 | -0.7 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | -2.7 | -3.8 | -2.4 |
| 1989 | -1.5 | -0.6 | -0.4 | -0.2 | -0.2 | 1.2 | 3.4 | 2.1 | 0.3 | -0.2 | -0.6 | -0.3 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.1 | 3.0 | 2.3 | 0.8 | -1.0 | -0.7 | -4.1 | -4.1 | -2.8 |
| 1991 | -1.7 | -0.7 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | -1.0 | -0.6 | -2.5 | -3.6 | -2.3 |
| 1992 | -1.4 | -0.6 | -0.3 | -0.2 | 0.0 | 0.2 | 0.0 | 0.1 | 0.6 | -3.4 | -4.0 | -2.4 |
| 1993 | -1.5 | -0.6 | -0.4 | 0.5 | 0.4 | 0.4 | 0.1 | 0.4 | 3.4 | 2.1 | 0.3 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.9 | -3.1 | -2.7 |
| 1995 | -1.2 | -0.4 | -0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 |
| 1996 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | -3.8 | -4.7 | -2.8 |
| 2002 | -1.7 | -0.5 | -1.2 | -0.1 | 1.9 | 1.7 | 2.3 | 1.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | 0.2 | 0.2 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.2 | -0.1 | 0.0 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | -0.6 | -1.0 | -0.7 |
| Critical | -1.0 | -0.4 | -0.2 | -0.1 | 0.4 | 0.3 | 0.1 | -0.6 | -0.3 | -2.5 | -3.7 | -2.6 |
| Dry | -0.5 | -0.2 | -0.3 | 0.0 | 0.3 | 0.5 | 0.9 | 0.6 | 0.3 | -0.9 | -1.7 | -1.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.6 | 0.3 | 0.1 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-155. Suisun Slough location SLSUS01 salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|------|-------|-------|--------|--------|--------|
| 1970 | -2.6 | -3.0 | -5.1 | -3.6 | -2.3 | -1.5 | -1.4 | -2.6 | -4.0 | -3.0 | -2.1 | -3.4 |
| 1971 | 2.6 | -0.4 | -0.9 | -1.7 | -1.1 | -0.5 | 0.0 | -1.4 | -0.9 | -0.6 | -0.5 | -0.4 |
| 1972 | -0.4 | -0.6 | -1.3 | -0.9 | 1.6 | 1.6 | 0.7 | -0.8 | -0.8 | -0.5 | -0.5 | -0.6 |
| 1973 | 0.1 | 0.1 | 0.0 | -0.1 | -0.4 | -0.6 | 0.2 | -0.4 | -0.3 | -0.3 | 0.5 | 0.1 |
| 1974 | -0.3 | 0.2 | 1.1 | -0.4 | -2.6 | 0.8 | -1.3 | 0.2 | -0.2 | -0.3 | -0.4 | -0.1 |
| 1975 | 0.0 | -0.1 | -0.1 | 0.0 | 1.2 | 0.0 | -1.1 | -0.3 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1976 | -0.1 | 0.0 | 0.2 | -0.2 | -0.5 | 0.7 | 1.6 | -37.5 | -93.8 | -98.9 | -265.7 | -305.8 |
| 1977 | -227.8 | -114.4 | -60.3 | -30.2 | -5.5 | -8.8 | -7.2 | -39.1 | -73.9 | -122.7 | -280.7 | -249.4 |
| 1978 | -189.1 | -95.0 | -44.0 | -8.5 | -4.3 | -5.4 | -4.7 | -5.5 | -4.9 | -3.0 | -2.9 | -2.9 |
| 1979 | -2.2 | -2.3 | -1.6 | -0.5 | -7.0 | -14.3 | 1.2 | 0.0 | -0.2 | -1.2 | -4.2 | -2.8 |
| 1980 | -0.1 | 0.7 | -0.5 | 8.7 | -4.0 | -3.8 | 2.1 | 0.2 | -0.7 | -0.2 | 0.5 | 2.4 |
| 1981 | -0.8 | -1.3 | -1.5 | -1.5 | 4.2 | 1.7 | -2.3 | -0.9 | -2.1 | -7.3 | -47.1 | -36.8 |
| 1982 | 11.8 | -18.4 | -12.2 | -1.7 | -3.5 | -3.1 | -0.3 | 0.7 | 0.8 | 0.4 | -0.7 | 0.0 |
| 1983 | -0.2 | -0.5 | 0.5 | -0.1 | -0.2 | -0.2 | -0.8 | -0.5 | -1.1 | -0.3 | -0.2 | -0.2 |
| 1984 | -0.2 | -0.2 | -0.4 | 0.1 | -0.5 | -0.4 | -0.2 | -0.9 | -1.1 | -2.3 | -3.7 | 4.9 |
| 1985 | 0.1 | -0.7 | 0.7 | -1.2 | 0.1 | -0.8 | -0.1 | -0.2 | 1.6 | -2.5 | 4.6 | 12.0 |
| 1986 | -1.3 | -1.7 | -1.1 | -0.5 | 0.0 | -0.7 | -0.7 | -0.4 | -0.4 | -0.4 | -0.2 | -0.1 |
| 1987 | 0.1 | -0.4 | -0.2 | 0.1 | -0.5 | -2.7 | 2.1 | 1.8 | 13.0 | -41.5 | -209.5 | -307.5 |
| 1988 | -210.1 | -101.4 | -37.6 | -16.6 | -7.1 | -4.6 | 2.3 | 0.4 | 15.1 | -91.6 | -281.7 | -258.3 |
| 1989 | -188.1 | -87.8 | -45.1 | -20.4 | -9.1 | 11.9 | 35.5 | 62.4 | 20.4 | -3.3 | -35.1 | -24.5 |
| 1990 | -8.0 | -4.7 | -4.4 | -3.9 | 23.0 | 78.7 | 50.2 | -19.5 | -65.6 | -138.7 | -303.8 | -281.0 |
| 1991 | -214.7 | -103.8 | -59.7 | -31.5 | -17.1 | -5.8 | -4.5 | -35.6 | -78.8 | -134.2 | -281.9 | -239.2 |
| 1992 | -174.7 | -84.3 | -45.6 | -18.1 | 16.3 | 21.7 | -4.4 | -17.1 | -4.0 | -124.6 | -334.2 | -276.2 |
| 1993 | -177.6 | -73.1 | -41.1 | 3.5 | 7.7 | 3.7 | 31.4 | 22.2 | 36.8 | 63.9 | 2.6 | -9.4 |
| 1994 | 12.8 | 5.0 | 0.8 | -1.6 | -0.4 | -1.4 | -1.0 | -11.0 | -33.4 | -67.1 | -171.4 | -233.8 |
| 1995 | -139.6 | -53.2 | -28.0 | -7.3 | -3.3 | -4.3 | -2.7 | -5.2 | -2.3 | 4.4 | 3.4 | 3.4 |
| 1996 | -4.4 | -1.2 | 1.7 | -2.7 | -0.1 | -0.7 | -1.2 | -1.1 | -0.5 | -0.6 | -0.6 | -0.7 |
| 1997 | -0.6 | -0.7 | -1.2 | -1.9 | -3.7 | 0.9 | 0.3 | 0.0 | -4.5 | -2.4 | -1.1 | -1.7 |
| 1998 | 0.0 | 0.0 | 0.1 | 2.5 | 0.7 | -0.8 | 1.5 | -0.7 | 1.3 | -0.4 | -3.4 | -1.6 |
| 1999 | -0.3 | 0.4 | 0.7 | 0.2 | 0.4 | 0.7 | -0.2 | -1.2 | 2.9 | -1.1 | -5.7 | 0.7 |
| 2000 | -1.6 | 0.1 | -0.7 | 1.0 | -1.0 | -1.1 | -3.8 | 1.4 | -0.2 | 0.2 | -0.7 | 0.2 |
| 2001 | 0.9 | 1.2 | 2.0 | 3.1 | -8.0 | -7.2 | -1.5 | 4.7 | 20.9 | -108.2 | -314.0 | -273.9 |
| 2002 | -181.8 | -83.7 | -33.0 | -31.1 | 4.9 | 35.1 | 40.0 | 48.5 | 19.8 | 15.5 | 3.5 | 5.3 |
| 2003 | 1.4 | -7.2 | -4.6 | -18.6 | -6.9 | -1.3 | -2.5 | -3.1 | 1.7 | 6.3 | 6.1 | 10.7 |
| | | | | | | | | | | | | |
| Average | -49.9 | -24.5 | -12.4 | -5.5 | -0.9 | 2.6 | 3.7 | -1.3 | -7.0 | -25.5 | -74.4 | -72.7 |
| Critical | -117.5 | -57.6 | -29.5 | -14.6 | 1.2 | 11.5 | 5.3 | -22.8 | -47.8 | -111.1 | -274.2 | -263.4 |
| Dry | -61.6 | -28.8 | -12.8 | -8.5 | -1.4 | 6.3 | 12.3 | 19.4 | 12.3 | -24.5 | -99.6 | -104.2 |
| BN | -1.3 | -1.4 | -1.4 | -0.7 | -2.7 | -6.4 | 1.0 | -0.4 | -0.5 | -0.9 | -2.3 | -1.7 |
| AN | -61.2 | -29.1 | -15.2 | -2.3 | -1.5 | -1.4 | 3.8 | 2.5 | 5.4 | 11.1 | 1.0 | 0.2 |
| Wet | -10.4 | -6.1 | -3.5 | -1.3 | -1.2 | -0.8 | -0.6 | -1.0 | -0.8 | -0.5 | -1.2 | 0.0 |

Table 1-156. Suisun Slough location SLSUS012 salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | -0.1 | -0.1 | -0.2 | -0.5 | -0.4 | -0.3 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.1 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 | 0.2 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.7 | -1.8 | -1.9 |
| 1977 | -1.6 | -0.9 | -0.5 | -0.3 | -0.1 | -0.1 | -0.1 | -0.3 | -0.5 | -0.8 | -1.7 | -1.4 |
| 1978 | -1.3 | -0.7 | -0.4 | -0.2 | -0.3 | -0.5 | -0.5 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.3 | -0.4 | -0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.4 | -0.2 |
| 1982 | 0.1 | -0.2 | -0.6 | -0.2 | -0.5 | -0.5 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 | 0.1 | -0.4 | -1.6 | -2.0 |
| 1988 | -1.6 | -0.8 | -0.4 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | -0.7 | -1.9 | -1.6 |
| 1989 | -1.3 | -0.7 | -0.4 | -0.2 | -0.1 | 0.3 | 1.8 | 1.7 | 0.3 | 0.0 | -0.3 | -0.2 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 1.2 | 0.6 | -0.2 | -0.6 | -1.0 | -2.0 | -1.7 |
| 1991 | -1.5 | -0.8 | -0.5 | -0.3 | -0.2 | -0.1 | -0.1 | -0.5 | -0.7 | -0.9 | -1.8 | -1.5 |
| 1992 | -1.2 | -0.6 | -0.3 | -0.2 | 0.3 | 0.7 | -0.1 | -0.2 | 0.0 | -1.0 | -2.2 | -1.7 |
| 1993 | -1.3 | -0.6 | -0.4 | 0.1 | 0.5 | 0.3 | 2.6 | 2.0 | 2.3 | 1.6 | 0.0 | -0.1 |
| 1994 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.5 | -1.2 | -1.5 |
| 1995 | -1.1 | -0.5 | -0.3 | -0.2 | -0.2 | -0.5 | -0.3 | -0.8 | -0.3 | 0.4 | 0.1 | 0.1 |
| 1996 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | -0.3 | -0.6 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.3 | -0.1 | 0.3 | -0.1 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | 0.1 | 0.3 | -1.0 | -2.4 | -1.8 |
| 2002 | -1.4 | -0.7 | -0.5 | -1.6 | 0.3 | 1.1 | 1.2 | 1.2 | 0.3 | 0.1 | 0.0 | 0.0 |
| 2003 | 0.0 | -0.1 | -0.1 | -1.0 | -0.5 | -0.1 | -0.1 | -0.3 | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.2 | -0.1 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.5 | -0.5 |
| Critical | -0.8 | -0.4 | -0.2 | -0.2 | 0.0 | 0.2 | 0.1 | -0.2 | -0.4 | -0.8 | -1.8 | -1.6 |
| Dry | -0.5 | -0.2 | -0.1 | -0.3 | 0.0 | 0.2 | 0.5 | 0.5 | 0.2 | -0.2 | -0.8 | -0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.4 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.0 | 0.0 |
| Wet | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-157. CCWD Intake location in Victoria Canal salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | -0.1 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | 10.9 | -5.1 | -31.3 |
| 1977 | -18.0 | -7.8 | -4.3 | -3.4 | -1.5 | -0.6 | -0.3 | -0.2 | -2.4 | -18.7 | -23.9 | -16.6 |
| 1978 | -20.6 | -8.5 | -4.0 | -1.1 | 0.3 | 0.3 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 |
| 1979 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.3 | 0.2 | 0.3 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | -0.2 | 0.4 | -3.6 | 13.8 |
| 1982 | -3.7 | -3.5 | -1.2 | 0.3 | -8.1 | -3.4 | 0.4 | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 |
| 1983 | -0.2 | -0.1 | -0.3 | 0.0 | 0.5 | 0.2 | 0.2 | -0.3 | 0.2 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | -0.9 | -1.6 | -17.7 |
| 1988 | -9.7 | -4.3 | -3.0 | -1.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | -5.4 | 6.9 | -13.6 |
| 1989 | -14.3 | -6.3 | -3.1 | -2.4 | -1.2 | -0.5 | 0.3 | 0.4 | 0.2 | -1.2 | -0.8 | 2.3 |
| 1990 | -0.5 | -0.3 | -0.2 | -0.2 | 0.1 | 0.7 | 0.7 | 0.5 | -0.4 | 9.5 | 7.1 | -17.2 |
| 1991 | -15.9 | -7.7 | -5.0 | -3.8 | -2.1 | -0.6 | -0.2 | -0.1 | -0.8 | 8.5 | 5.6 | -15.1 |
| 1992 | -13.8 | -6.5 | -4.1 | -2.9 | -1.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.9 | 5.3 | -10.9 |
| 1993 | -11.1 | -4.4 | -2.8 | -0.9 | 0.7 | 0.5 | 0.3 | 0.4 | -14.7 | -7.0 | 0.4 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -9.8 | -24.1 | 3.5 |
| 1995 | 0.5 | -0.8 | -1.4 | -0.7 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1996 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.1 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.1 | 0.0 | 0.0 | 0.1 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.2 | 0.0 |
| 1999 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 5.5 | 9.3 | -7.5 |
| 2002 | -6.8 | -2.5 | -1.6 | -0.6 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | 0.2 | -0.1 | -2.7 |
| Average | -3.4 | -1.6 | -0.9 | -0.5 | -0.3 | -0.1 | 0.1 | 0.1 | -0.5 | -0.2 | -0.7 | -3.3 |
| Critical | -8.3 | -3.8 | -2.4 | -1.6 | -0.7 | -0.1 | 0.1 | 0.0 | -0.8 | -0.6 | -4.0 | -14.4 |
| Dry | -3.5 | -1.4 | -0.8 | -0.5 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.6 | 0.6 | -1.5 |
| BN | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -5.3 | -2.1 | -1.1 | -0.3 | 0.2 | 0.2 | 0.2 | 0.2 | -2.4 | -1.1 | 0.0 | -0.4 |
| Wet | -0.3 | -0.4 | -0.2 | -0.1 | -0.6 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Table 1-158. CCWD Intake location in Victoria Canal salinity (EC) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 2.5 | -0.9 | -6.0 |
| 1977 | -3.1 | -1.3 | -0.7 | -0.4 | -0.2 | -0.1 | -0.1 | 0.0 | -0.5 | -3.9 | -5.0 | -2.8 |
| 1978 | -2.9 | -1.4 | -0.6 | -0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.9 | 3.0 |
| 1982 | -0.7 | -0.7 | -0.4 | 0.1 | -2.2 | -0.9 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 | -4.2 |
| 1988 | -1.9 | -0.8 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | 1.7 | -2.8 |
| 1989 | -2.5 | -1.1 | -0.5 | -0.3 | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | -0.4 | -0.2 | 0.5 |
| 1990 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.1 | 2.4 | 1.3 | -3.3 |
| 1991 | -2.6 | -1.2 | -0.7 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | -0.2 | 2.1 | 1.0 | -3.0 |
| 1992 | -2.3 | -1.0 | -0.6 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | -2.2 |
| 1993 | -1.9 | -0.8 | -0.5 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -3.5 | -2.2 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -4.3 | 0.7 |
| 1995 | 0.1 | -0.2 | -0.3 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.7 | -1.8 |
| 2002 | -1.4 | -0.5 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.8 |
| | | | | | | | | | | | | |
| Average | -0.6 | -0.3 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 | -0.7 |
| Critical | -1.4 | -0.6 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.7 | -2.8 |
| Dry | -0.6 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.8 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -0.3 | 0.0 | -0.1 |
| Wet | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-159. Upper Cache Slough location SLCCH016 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|------|------|------|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -1.3 |
| 1977 | -1.3 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | -0.4 | -1.4 | -0.9 |
| 1978 | -1.3 | -0.7 | -0.2 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 |
| 1982 | -0.1 | 0.0 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.8 | -1.5 |
| 1988 | -0.9 | -0.3 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.2 | -0.9 | -1.2 |
| 1989 | -1.3 | -0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1990 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0.0 | 0.1 | -0.1 | -0.6 | -0.7 |
| 1991 | -0.8 | -0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | 0.1 | 0.0 | -0.4 | -0.5 |
| 1992 | -0.7 | -0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | -0.1 | -0.7 | -0.8 |
| 1993 | -0.6 | -0.3 | 0.0 | 0.0 | 0.0 | -0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | -0.1 | -0.4 |
| 1995 | -0.2 | -0.1 | 0.0 | 0.0 | -0.3 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.5 | -0.6 |
| 2002 | -0.5 | -0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| Critical | -0.5 | -0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.6 | -0.8 |
| Dry | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-160. Upper Cache Slough location SLCCH016 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 |
| 1977 | -0.7 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 | -0.4 |
| 1978 | -0.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1982 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.8 |
| 1988 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.6 |
| 1989 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 |
| 1991 | -0.4 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | -0.2 | -0.3 |
| 1992 | -0.3 | -0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.4 | -0.4 |
| 1993 | -0.3 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.3 |
| 2002 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| Critical | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 |
| Dry | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 1-161. Montezuma Slough location SLMZU011 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|-------|-------|-------|------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.9 | -1.3 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.1 | 121.3 | -51.1 | -376.0 | -463.0 |
| 1977 | -287.7 | -106.3 | -45.1 | -9.7 | 0.4 | -3.8 | -4.1 | 5.3 | 22.3 | -89.9 | -290.5 | -273.1 |
| 1978 | -185.4 | -65.8 | 8.6 | 13.7 | 1.3 | 0.7 | 0.4 | 2.9 | 12.1 | 16.4 | 6.2 | 1.9 |
| 1979 | 0.3 | 0.0 | -0.7 | -6.4 | 6.5 | 10.3 | 9.1 | 11.9 | 8.7 | 3.2 | 1.0 | 0.2 |
| 1980 | 1.3 | 16.1 | 22.1 | 0.4 | -0.2 | 0.0 | 1.5 | 5.0 | 4.5 | 1.3 | 0.4 | 0.1 |
| 1981 | -0.1 | 0.3 | 2.1 | -0.4 | -6.2 | 2.3 | 6.4 | 11.2 | 13.0 | -30.5 | -207.3 | -304.8 |
| 1982 | -123.2 | 21.5 | 4.1 | -0.1 | -0.1 | -0.4 | 0.0 | 0.5 | 3.0 | 4.7 | 1.8 | 0.1 |
| 1983 | -32.6 | 1.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.4 | 7.0 |
| 1984 | 1.2 | 1.9 | 0.0 | 0.0 | 0.2 | 0.4 | 1.8 | 8.6 | 6.8 | 2.3 | 0.7 | 0.2 |
| 1985 | -0.3 | 1.0 | 9.7 | -0.1 | 1.6 | 6.3 | 4.6 | 7.2 | 7.3 | 2.9 | 1.6 | 1.1 |
| 1986 | 1.2 | 1.0 | 2.3 | 6.2 | 0.3 | 0.0 | 0.4 | 1.7 | 1.8 | 0.6 | 0.2 | 0.1 |
| 1987 | 0.0 | 0.1 | 0.5 | 3.2 | 5.3 | 3.0 | 2.5 | 1.3 | 9.6 | -114.2 | -424.6 | -555.8 |
| 1988 | -273.9 | -103.2 | 18.1 | 19.6 | 17.3 | 4.4 | 27.3 | 42.0 | 29.0 | -181.3 | -496.9 | -398.4 |
| 1989 | -235.9 | -75.2 | 56.3 | 70.3 | 13.4 | 48.0 | 47.3 | 76.0 | 27.2 | -8.5 | -136.3 | -220.0 |
| 1990 | -71.9 | -21.9 | -6.2 | 17.1 | 47.5 | 140.6 | 112.2 | 57.3 | 63.0 | -111.5 | -370.5 | -385.1 |
| 1991 | -252.2 | -91.9 | -40.2 | -11.2 | 30.6 | 99.2 | 32.9 | 73.7 | 95.7 | -67.6 | -304.1 | -284.9 |
| 1992 | -179.4 | -65.2 | -24.1 | -5.3 | 19.1 | 41.4 | 67.2 | 75.2 | 45.6 | -154.8 | -470.0 | -410.7 |
| 1993 | -225.5 | -74.6 | 71.9 | 35.5 | 5.6 | 12.8 | 10.2 | 16.9 | 57.6 | 91.6 | 36.1 | 13.3 |
| 1994 | 0.3 | 0.6 | -0.6 | 29.6 | 9.9 | 51.2 | 77.8 | 67.3 | 69.5 | 6.8 | -224.0 | -328.3 |
| 1995 | -160.7 | -44.6 | 21.2 | 19.0 | 2.1 | 0.0 | -0.5 | -0.2 | 1.7 | 8.2 | 32.4 | 40.1 |
| 1996 | -2.6 | 0.3 | 19.8 | 15.0 | 0.4 | 0.0 | 0.3 | 0.5 | 8.9 | 28.2 | 17.2 | 7.5 |
| 1997 | -10.1 | -19.4 | -0.1 | -0.1 | -0.2 | 3.3 | 11.3 | 17.0 | 19.1 | 13.0 | 3.6 | 5.1 |
| 1998 | -6.7 | -0.5 | 5.5 | 8.6 | -0.4 | -0.4 | 0.0 | 0.1 | 0.1 | 1.2 | 9.7 | 20.2 |
| 1999 | -1.9 | 10.8 | 5.5 | 1.3 | 0.1 | 0.1 | 0.8 | 3.7 | 10.1 | 11.8 | 4.3 | 1.4 |
| 2000 | 0.1 | 0.0 | -0.2 | 9.9 | 3.1 | 0.2 | 1.8 | 5.6 | 6.5 | 2.9 | 1.1 | 0.3 |
| 2001 | 0.0 | -0.1 | 1.3 | 2.7 | -10.7 | 3.0 | 6.4 | 27.3 | 52.6 | -183.4 | -508.8 | -412.0 |
| 2002 | -234.4 | 9.1 | 39.7 | 5.0 | 21.0 | 73.7 | 75.9 | 70.8 | 45.8 | 19.0 | 7.0 | 4.7 |
| 2003 | 1.5 | -1.3 | 13.9 | 3.2 | 2.6 | 11.7 | 11.7 | 3.8 | 20.0 | 32.1 | -42.9 | -63.7 |
| | | | | | | | | | | | | |
| Average | -67.0 | -17.8 | 5.5 | 6.7 | 5.0 | 15.0 | 14.9 | 17.4 | 22.4 | -21.9 | -109.6 | -117.6 |
| Critical | -152.1 | -55.4 | -14.0 | 5.7 | 17.8 | 47.6 | 44.8 | 45.8 | 63.8 | -92.8 | -361.7 | -363.4 |
| Dry | -78.4 | -10.8 | 18.3 | 13.5 | 4.1 | 22.7 | 23.9 | 32.3 | 25.9 | -52.5 | -211.4 | -247.8 |
| BN | 0.1 | 0.0 | -0.3 | -3.2 | 3.2 | 5.2 | 4.5 | 6.0 | 4.3 | 1.6 | 0.5 | 0.1 |
| AN | -68.0 | -20.9 | 19.4 | 10.5 | 2.1 | 4.3 | 4.4 | 5.5 | 16.7 | 24.0 | 0.1 | -8.0 |
| Wet | -25.8 | -2.2 | 4.5 | 3.8 | 0.2 | 0.2 | 1.1 | 2.5 | 4.0 | 5.4 | 5.6 | 6.3 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-162. Montezuma Slough location SLMZU011 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | -0.4 | -2.7 | -3.0 |
| 1977 | -2.6 | -1.1 | -0.5 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | -0.6 | -1.8 | -1.6 |
| 1978 | -1.8 | -0.7 | 0.2 | 1.4 | 0.4 | 0.3 | 0.1 | 0.5 | 0.7 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.2 | 0.7 | 1.6 | 0.8 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 0.6 | 0.1 | -0.1 | 0.0 | 0.2 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.1 | 0.0 | -0.5 | 0.2 | 0.3 | 0.3 | 0.2 | -0.3 | -1.8 | -2.2 |
| 1982 | -1.3 | 0.7 | 1.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 |
| 1983 | -1.4 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 |
| 1984 | 0.1 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.5 | 0.0 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | -1.1 | -3.4 | -3.9 |
| 1988 | -2.8 | -1.1 | 0.4 | 1.3 | 1.3 | 0.1 | 0.4 | 0.5 | 0.3 | -1.7 | -3.7 | -2.6 |
| 1989 | -2.1 | -0.8 | 0.7 | 1.3 | 0.3 | 2.8 | 5.4 | 2.9 | 0.4 | -0.1 | -1.2 | -1.8 |
| 1990 | -0.9 | -0.3 | -0.1 | 0.4 | 2.5 | 3.0 | 1.7 | 0.7 | 0.6 | -0.9 | -2.6 | -2.5 |
| 1991 | -2.3 | -0.9 | -0.4 | -0.2 | 0.7 | 3.5 | 1.6 | 1.2 | 0.9 | -0.5 | -2.1 | -1.8 |
| 1992 | -1.6 | -0.6 | -0.2 | -0.1 | 0.8 | 2.7 | 2.0 | 1.1 | 0.5 | -1.4 | -3.3 | -2.7 |
| 1993 | -2.3 | -0.8 | 1.0 | 2.5 | 1.6 | 3.1 | 2.7 | 3.7 | 6.6 | 3.0 | 0.5 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.7 | 0.5 | 1.6 | 1.4 | 1.1 | 0.8 | 0.1 | -1.6 | -2.2 |
| 1995 | -1.9 | -0.6 | 0.3 | 2.2 | 0.6 | 0.0 | -0.2 | -0.1 | 0.7 | 1.1 | 1.1 | 0.8 |
| 1996 | -0.1 | 0.0 | 1.1 | 1.9 | 0.2 | 0.0 | 0.1 | 0.2 | 0.7 | 0.6 | 0.2 | 0.1 |
| 1997 | -0.4 | -0.9 | 0.0 | -0.1 | -0.1 | 0.6 | 0.8 | 0.7 | 0.4 | 0.2 | 0.0 | 0.1 |
| 1998 | -0.2 | 0.0 | 0.2 | 0.7 | -0.2 | -0.2 | 0.0 | 0.1 | 0.0 | 0.3 | 0.5 | 0.7 |
| 1999 | -0.1 | 0.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.1 | 0.3 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | 0.3 | 0.3 | 0.6 | 0.7 | -1.9 | -4.2 | -2.9 |
| 2002 | -2.5 | 0.1 | 1.5 | 1.0 | 2.5 | 3.6 | 3.4 | 2.3 | 0.8 | 0.2 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.5 | 0.8 | 0.5 | 0.9 | 1.0 | 0.8 | 1.0 | 0.6 | -0.5 | -0.7 |
| | | | | | | | | | | | | |
| Average | -0.7 | -0.2 | 0.2 | 0.4 | 0.4 | 0.7 | 0.7 | 0.6 | 0.5 | -0.1 | -0.8 | -0.8 |
| Critical | -1.5 | -0.6 | -0.1 | 0.3 | 0.8 | 1.6 | 1.0 | 0.7 | 0.6 | -0.8 | -2.6 | -2.4 |
| Dry | -0.8 | -0.1 | 0.5 | 0.4 | 0.3 | 1.2 | 1.6 | 1.0 | 0.4 | -0.5 | -1.7 | -1.8 |
| BN | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | 0.8 | 0.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.2 | 0.4 | 0.9 | 0.5 | 0.8 | 0.8 | 1.0 | 1.4 | 0.7 | 0.0 | -0.1 |
| Wet | -0.4 | 0.0 | 0.3 | 0.4 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table 1-163. Montezuma Slough location SLMZU025 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|------|-------|------|------|------|--------|--------|--------|
| 1970 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -1.5 | -1.1 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | -0.6 | 51.5 | -173.3 | -492.8 | -516.3 |
| 1977 | -262.4 | -96.6 | -41.7 | -8.5 | -6.7 | -2.9 | -2.1 | 11.4 | 29.1 | -179.3 | -373.8 | -305.6 |
| 1978 | -171.7 | -59.6 | 14.3 | 4.1 | 0.6 | 0.3 | 0.2 | 0.9 | 6.3 | 9.7 | 4.3 | 1.2 |
| 1979 | 0.2 | 0.1 | -0.7 | 5.8 | 2.1 | 1.4 | 3.0 | 4.3 | 4.3 | 1.8 | 0.7 | 0.2 |
| 1980 | 1.5 | 17.9 | 27.1 | 1.8 | -0.5 | 0.1 | 0.4 | 1.7 | 1.9 | 0.6 | 0.3 | 0.1 |
| 1981 | -0.1 | 0.5 | 2.0 | 2.9 | -1.2 | 0.9 | 3.1 | 8.0 | 9.9 | -45.3 | -307.1 | -328.6 |
| 1982 | -106.6 | -14.5 | 0.0 | 0.1 | -0.4 | -0.3 | 0.0 | 0.1 | 0.9 | 2.5 | 1.3 | 0.0 |
| 1983 | 2.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.6 | 1.8 |
| 1984 | 4.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 4.0 | 4.0 | 1.3 | 0.4 | 0.0 |
| 1985 | -0.3 | 5.1 | 4.9 | 4.8 | 4.5 | 3.0 | 2.5 | 4.7 | 5.1 | 2.3 | 1.6 | 1.5 |
| 1986 | 1.2 | 1.1 | 7.4 | 3.1 | 0.0 | 0.0 | 0.2 | 0.6 | 0.9 | 0.3 | 0.1 | 0.0 |
| 1987 | 0.0 | 0.7 | 0.3 | 3.6 | 2.5 | 0.9 | 1.4 | 1.6 | 12.4 | -188.8 | -552.8 | -589.9 |
| 1988 | -245.1 | -95.9 | 36.4 | 13.5 | 5.1 | 3.3 | 30.3 | 31.1 | 28.8 | -320.3 | -552.6 | -419.0 |
| 1989 | -217.1 | -65.3 | 72.7 | 67.9 | 13.2 | 15.3 | 16.7 | 35.2 | 18.0 | -21.3 | -204.8 | -215.3 |
| 1990 | -59.8 | -16.3 | -6.7 | 21.2 | 58.8 | 104.4 | 69.3 | 47.4 | 60.8 | -401.4 | -513.2 | -417.6 |
| 1991 | -231.1 | -79.9 | -37.1 | -10.5 | 40.8 | 30.8 | 25.1 | 68.3 | 93.1 | -182.9 | -379.6 | -306.7 |
| 1992 | -163.7 | -59.4 | -21.8 | -6.1 | 10.8 | 16.4 | 44.4 | 55.8 | 41.0 | -303.9 | -529.8 | -433.6 |
| 1993 | -201.7 | -67.1 | 89.2 | 16.7 | 1.3 | 3.1 | 1.2 | 3.1 | 18.5 | 46.7 | 23.0 | 6.9 |
| 1994 | 0.6 | 0.7 | -0.7 | 41.4 | 12.0 | 34.9 | 52.1 | 48.9 | 64.2 | -30.3 | -332.8 | -366.5 |
| 1995 | -141.2 | -42.3 | 30.9 | 5.9 | 0.5 | 0.0 | 0.1 | 0.0 | 0.2 | 2.2 | 22.1 | 21.0 |
| 1996 | -0.5 | 0.0 | 14.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.1 | 5.5 | 16.3 | 10.7 | 2.8 |
| 1997 | -1.7 | -0.6 | 0.2 | 0.0 | 0.0 | 0.9 | 3.7 | 8.5 | 11.2 | 6.6 | 1.9 | 2.0 |
| 1998 | -0.1 | 0.1 | 9.9 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 5.4 | 9.0 |
| 1999 | 2.9 | 5.4 | 1.2 | 0.1 | 0.0 | 0.0 | 0.1 | 1.3 | 6.2 | 7.0 | 2.7 | 0.5 |
| 2000 | 0.1 | 0.0 | -0.1 | 9.8 | 0.3 | 0.0 | 0.4 | 2.0 | 3.9 | 1.8 | 0.6 | 0.1 |
| 2001 | 0.0 | -0.1 | 1.7 | 7.2 | 2.0 | 0.8 | 3.1 | 24.1 | 47.7 | -318.2 | -522.2 | -419.6 |
| 2002 | -210.5 | 31.2 | 22.3 | 1.2 | 12.0 | 29.1 | 34.7 | 37.5 | 30.5 | 13.2 | 6.6 | 5.4 |
| 2003 | 1.1 | -1.1 | 7.0 | 0.3 | 0.5 | 3.7 | 2.7 | 0.5 | 21.3 | 1.6 | -45.6 | -49.5 |
| Average | -58.8 | -15.7 | 6.9 | 5.6 | 4.7 | 7.2 | 8.6 | 11.7 | 17.0 | -60.3 | -138.9 | -126.9 |
| Critical | -137.4 | -49.6 | -10.2 | 7.3 | 17.3 | 26.7 | 31.4 | 37.5 | 52.6 | -227.3 | -453.5 | -395.1 |
| Dry | -71.3 | -4.7 | 17.3 | 14.6 | 5.5 | 8.3 | 10.2 | 18.5 | 20.6 | -93.0 | -263.1 | -257.7 |
| BN | 0.1 | 0.0 | -0.4 | 2.9 | 1.0 | 0.7 | 1.5 | 2.1 | 2.2 | 0.9 | 0.3 | 0.1 |
| AN | -61.8 | -18.3 | 22.9 | 5.5 | 0.4 | 1.1 | 0.6 | 1.2 | 8.6 | 10.1 | -2.9 | -6.9 |
| Wet | -18.4 | -3.7 | 4.9 | 1.1 | 0.0 | 0.1 | 0.4 | 1.1 | 2.2 | 2.8 | 3.6 | 2.8 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-164. Montezuma Slough location SLMZU025 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.5 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | -1.9 | -4.9 | -4.3 |
| 1977 | -2.5 | -1.0 | -0.4 | -0.2 | -0.2 | -0.1 | 0.0 | 0.2 | 0.3 | -1.6 | -3.1 | -2.3 |
| 1978 | -1.7 | -0.6 | 0.3 | 1.2 | 0.3 | 0.1 | 0.1 | 0.3 | 0.8 | 0.4 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7 | 0.5 | 0.7 | 0.8 | 0.3 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.3 | 0.9 | 0.6 | -0.2 | 0.0 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.1 | 0.2 | -0.3 | 0.2 | 0.4 | 0.4 | 0.2 | -0.7 | -3.7 | -3.2 |
| 1982 | -1.2 | -0.9 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1983 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.3 |
| 1984 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.6 | 0.6 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.2 | -2.7 | -6.0 | -5.4 |
| 1988 | -2.7 | -1.1 | 1.0 | 2.6 | 0.8 | 0.1 | 0.7 | 0.7 | 0.5 | -4.1 | -5.5 | -3.6 |
| 1989 | -2.0 | -0.8 | 0.9 | 1.4 | 0.4 | 2.6 | 5.0 | 3.0 | 0.5 | -0.3 | -2.6 | -2.6 |
| 1990 | -0.8 | -0.2 | -0.1 | 0.8 | 5.0 | 4.6 | 2.0 | 1.0 | 0.8 | -4.1 | -4.7 | -3.5 |
| 1991 | -2.3 | -0.8 | -0.4 | -0.2 | 1.0 | 3.1 | 2.7 | 1.8 | 1.2 | -1.9 | -3.5 | -2.6 |
| 1992 | -1.6 | -0.6 | -0.2 | -0.1 | 1.1 | 2.8 | 2.8 | 1.3 | 0.7 | -3.8 | -5.0 | -3.6 |
| 1993 | -2.2 | -0.7 | 1.4 | 3.1 | 0.6 | 1.4 | 0.6 | 1.4 | 5.7 | 2.9 | 0.4 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 1.1 | 1.3 | 2.4 | 2.0 | 1.5 | 1.1 | -0.4 | -3.4 | -3.3 |
| 1995 | -1.9 | -0.6 | 0.5 | 1.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 1.5 | 1.0 |
| 1996 | 0.0 | 0.0 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.6 | 0.2 | 0.1 |
| 1997 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.4 | 0.8 | 0.9 | 0.4 | 0.2 | 0.0 | 0.1 |
| 1998 | 0.0 | 0.0 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.9 |
| 1999 | 0.2 | 0.8 | 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.5 | 0.3 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.8 | 0.1 | 0.0 | 0.2 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.2 | 0.4 | 1.0 | 1.1 | -5.0 | -6.1 | -3.9 |
| 2002 | -2.4 | 0.4 | 1.8 | 0.5 | 3.3 | 4.2 | 4.5 | 2.9 | 0.8 | 0.2 | 0.1 | 0.1 |
| 2003 | 0.0 | 0.0 | 0.6 | 0.2 | 0.2 | 0.9 | 0.8 | 0.2 | 1.7 | 0.1 | -0.9 | -1.1 |
| | | | | | | | | | | | | |
| Average | -0.6 | -0.1 | 0.3 | 0.5 | 0.4 | 0.7 | 0.7 | 0.6 | 0.6 | -0.6 | -1.4 | -1.1 |
| Critical | -1.4 | -0.5 | 0.0 | 0.6 | 1.3 | 1.8 | 1.5 | 0.9 | 0.7 | -2.5 | -4.3 | -3.3 |
| Dry | -0.7 | 0.0 | 0.6 | 0.5 | 0.7 | 1.3 | 1.8 | 1.3 | 0.5 | -1.4 | -3.1 | -2.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.7 | -0.2 | 0.5 | 1.0 | 0.2 | 0.4 | 0.2 | 0.4 | 1.4 | 0.6 | -0.1 | -0.1 |
| Wet | -0.2 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |

Table 1-165. Suisun Slough location SLSUS012 salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|-------|-------|------|-------|-------|------|------|--------|--------|--------|
| 1970 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 2.3 | -0.9 | -0.3 | -0.1 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.2 | 3.1 | -45.5 | -293.0 | -390.6 |
| 1977 | -306.2 | -149.1 | -73.6 | -32.3 | -4.2 | -10.2 | -7.6 | 1.2 | 16.3 | -68.2 | -232.1 | -234.5 |
| 1978 | -192.9 | -94.5 | -20.6 | 12.6 | 1.7 | -2.5 | -2.6 | 0.7 | 11.1 | 16.0 | 5.4 | 0.7 |
| 1979 | -1.0 | -1.2 | -2.0 | 1.1 | 9.8 | 8.6 | 10.4 | 13.9 | 10.3 | 3.3 | 0.8 | -0.1 |
| 1980 | 0.3 | 9.8 | 25.5 | 5.9 | 1.9 | 0.5 | 1.8 | 5.9 | 5.4 | 1.7 | 0.5 | 0.1 |
| 1981 | -0.1 | 0.1 | 1.8 | 4.0 | 2.1 | 3.4 | 7.4 | 11.6 | 13.0 | -24.8 | -160.0 | -249.9 |
| 1982 | -153.8 | -36.2 | -8.9 | -6.7 | -2.9 | -2.0 | -1.5 | 1.4 | 2.8 | 5.2 | 1.0 | -0.6 |
| 1983 | -12.3 | 3.1 | 0.9 | -0.7 | -0.4 | -0.4 | -1.1 | -0.5 | -0.4 | 0.2 | 3.4 | 7.3 |
| 1984 | 4.2 | 2.8 | 0.2 | -0.1 | 0.1 | 0.6 | 2.1 | 6.4 | 7.1 | 2.8 | 1.0 | 0.3 |
| 1985 | -0.2 | 5.8 | 14.6 | 8.0 | 5.5 | 6.5 | 5.0 | 7.4 | 7.3 | 2.8 | 1.8 | 1.2 |
| 1986 | 1.2 | 0.9 | 1.6 | 9.4 | 2.5 | 0.7 | 0.9 | 2.3 | 2.3 | 0.9 | 0.5 | 0.3 |
| 1987 | 0.2 | 0.1 | 0.3 | 2.5 | 6.7 | 4.5 | 3.1 | 1.3 | 7.0 | -88.7 | -343.2 | -468.8 |
| 1988 | -316.2 | -150.7 | -28.1 | 27.9 | 23.8 | 4.2 | 21.4 | 37.7 | 25.3 | -134.9 | -401.0 | -356.3 |
| 1989 | -259.6 | -120.9 | -5.6 | 56.2 | 13.4 | 43.5 | 57.2 | 87.4 | 30.8 | -3.1 | -109.6 | -186.0 |
| 1990 | -100.9 | -33.8 | -16.4 | 11.9 | 60.3 | 144.8 | 116.7 | 60.1 | 58.8 | -94.5 | -325.2 | -331.6 |
| 1991 | -267.0 | -122.7 | -64.2 | -29.0 | 9.0 | 69.2 | 56.6 | 82.7 | 89.3 | -40.3 | -233.0 | -244.3 |
| 1992 | -193.3 | -93.9 | -42.1 | -17.0 | 30.9 | 40.2 | 65.6 | 73.2 | 42.5 | -119.4 | -368.7 | -359.2 |
| 1993 | -251.1 | -117.4 | 8.8 | 50.9 | 8.4 | 21.4 | 16.4 | 20.4 | 70.5 | 104.8 | 42.6 | 16.7 |
| 1994 | 3.4 | -0.6 | -0.5 | 17.6 | 37.6 | 60.3 | 78.5 | 69.6 | 69.9 | 14.3 | -159.4 | -260.3 |
| 1995 | -188.5 | -68.8 | -9.8 | 25.9 | 6.3 | 1.6 | 0.0 | -1.3 | 1.3 | 10.1 | 32.9 | 42.3 |
| 1996 | 7.7 | 1.7 | 23.2 | 22.1 | 5.1 | 1.5 | 1.0 | 1.1 | 9.3 | 23.9 | 11.5 | 6.3 |
| 1997 | -2.2 | -9.9 | -1.5 | -2.0 | -3.2 | 4.8 | 13.0 | 18.1 | 18.4 | 9.5 | 3.6 | 3.2 |
| 1998 | -1.8 | -0.2 | 6.0 | 13.2 | 1.6 | 0.8 | 0.7 | 0.6 | 0.5 | 1.8 | 9.3 | 19.1 |
| 1999 | 4.1 | 13.7 | 13.3 | 4.1 | 1.3 | 0.7 | 1.6 | 5.1 | 13.4 | 11.8 | 6.9 | 1.3 |
| 2000 | 0.8 | 0.6 | 0.0 | 14.8 | 10.0 | 2.2 | 2.9 | 7.3 | 7.7 | 4.1 | 1.6 | 0.7 |
| 2001 | 0.4 | 0.3 | 0.5 | 4.8 | -2.7 | 4.0 | 7.6 | 27.2 | 48.6 | -138.9 | -405.9 | -362.2 |
| 2002 | -267.2 | -73.9 | 34.6 | 8.2 | 30.4 | 79.2 | 86.5 | 91.6 | 51.4 | 21.3 | 8.0 | 4.6 |
| 2003 | 2.2 | -0.9 | 22.3 | 8.6 | 3.8 | 12.2 | 14.8 | 6.7 | 24.8 | 35.2 | -33.6 | -58.4 |
| Average | -73.2 | -30.5 | -3.5 | 6.5 | 7.6 | 14.8 | 16.5 | 18.8 | 19.0 | -14.4 | -86.3 | -100.0 |
| Critical | -168.6 | -78.7 | -32.1 | -3.0 | 22.5 | 44.1 | 47.4 | 46.4 | 43.6 | -69.8 | -287.5 | -311.0 |
| Dry | -87.7 | -31.4 | 7.7 | 14.0 | 9.2 | 23.5 | 27.8 | 37.7 | 26.4 | -38.6 | -168.2 | -210.2 |
| BN | -0.5 | -0.6 | -1.0 | 0.6 | 4.9 | 4.3 | 5.2 | 6.9 | 5.2 | 1.6 | 0.4 | -0.1 |
| AN | -73.5 | -33.7 | 6.0 | 15.5 | 4.3 | 5.9 | 5.9 | 6.7 | 19.9 | 26.9 | 2.7 | -6.7 |
| Wet | -26.3 | -7.1 | 1.9 | 5.0 | 0.8 | 0.6 | 1.3 | 2.5 | 4.2 | 5.1 | 5.4 | 6.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-166. Suisun Slough location SLSUS012 salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.9 | -2.4 |
| 1977 | -2.2 | -1.2 | -0.6 | -0.3 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 | -0.4 | -1.4 | -1.3 |
| 1978 | -1.3 | -0.7 | -0.2 | 0.3 | 0.1 | -0.2 | -0.3 | 0.1 | 0.4 | 0.3 | 0.1 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.5 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | -0.2 | -1.2 | -1.7 |
| 1982 | -1.2 | -0.5 | -0.4 | -0.7 | -0.4 | -0.3 | -0.3 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1983 | -0.3 | 0.1 | 0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.3 |
| 1984 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.8 | -2.5 | -3.1 |
| 1988 | -2.4 | -1.3 | -0.3 | 0.6 | 0.8 | 0.1 | 0.2 | 0.4 | 0.2 | -1.1 | -2.8 | -2.2 |
| 1989 | -1.8 | -0.9 | 0.0 | 0.6 | 0.2 | 1.1 | 2.9 | 2.3 | 0.4 | 0.0 | -0.8 | -1.4 |
| 1990 | -0.9 | -0.3 | -0.1 | 0.1 | 1.1 | 2.2 | 1.4 | 0.7 | 0.5 | -0.7 | -2.1 | -2.0 |
| 1991 | -1.9 | -0.9 | -0.5 | -0.3 | 0.1 | 1.3 | 1.5 | 1.1 | 0.8 | -0.3 | -1.5 | -1.5 |
| 1992 | -1.4 | -0.7 | -0.3 | -0.1 | 0.5 | 1.2 | 1.3 | 0.9 | 0.4 | -1.0 | -2.5 | -2.2 |
| 1993 | -1.8 | -1.0 | 0.1 | 1.2 | 0.5 | 1.6 | 1.4 | 1.9 | 4.4 | 2.6 | 0.5 | 0.2 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | 1.3 | 1.1 | 0.9 | 0.7 | 0.1 | -1.1 | -1.6 |
| 1995 | -1.5 | -0.6 | -0.1 | 0.7 | 0.4 | 0.2 | 0.0 | -0.2 | 0.2 | 0.8 | 0.9 | 0.7 |
| 1996 | 0.2 | 0.0 | 0.6 | 1.0 | 0.7 | 0.3 | 0.2 | 0.2 | 0.5 | 0.4 | 0.1 | 0.1 |
| 1997 | 0.0 | -0.2 | -0.1 | -0.4 | -0.6 | 0.5 | 0.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.4 | 0.5 |
| 1999 | 0.1 | 0.4 | 0.7 | 0.4 | 0.3 | 0.2 | 0.3 | 0.4 | 0.4 | 0.2 | 0.1 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.3 | 0.7 | 0.3 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.2 | 0.3 | 0.5 | 0.6 | -1.3 | -3.1 | -2.4 |
| 2002 | -2.1 | -0.7 | 0.5 | 0.4 | 1.7 | 2.4 | 2.5 | 2.2 | 0.7 | 0.2 | 0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.4 | 0.5 | 0.3 | 0.6 | 0.7 | 0.6 | 0.9 | 0.5 | -0.4 | -0.6 |
| | | | | | | | | | | | | |
| Average | -0.5 | -0.2 | 0.0 | 0.2 | 0.2 | 0.4 | 0.5 | 0.4 | 0.4 | 0.0 | -0.6 | -0.6 |
| Critical | -1.2 | -0.6 | -0.3 | 0.0 | 0.5 | 0.8 | 0.8 | 0.6 | 0.4 | -0.5 | -1.9 | -1.9 |
| Dry | -0.6 | -0.2 | 0.2 | 0.2 | 0.3 | 0.7 | 1.0 | 0.9 | 0.3 | -0.4 | -1.3 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 |
| AN | -0.5 | -0.3 | 0.1 | 0.4 | 0.3 | 0.4 | 0.4 | 0.5 | 1.0 | 0.6 | 0.0 | -0.1 |
| Wet | -0.2 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |

Table 1-167. CCWD Intake location in Victoria Canal salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|------|------|-------|------|------|-------|-------|-------|-------|
| 1970 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | -10.6 | -4.4 | 0.0 | -0.4 | 0.0 | 0.0 | -0.1 |
| 1974 | -0.2 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 13.6 | -11.8 | -42.5 |
| 1977 | -26.6 | -10.6 | -7.3 | -9.5 | -2.8 | 1.4 | 3.0 | 1.8 | 1.1 | -12.6 | -23.9 | -22.4 |
| 1978 | -25.0 | -7.9 | -4.7 | -0.8 | 0.7 | 0.4 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1979 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.1 | 2.0 | 1.0 | 21.8 | 0.4 | 0.2 | 0.3 | 0.1 | -0.1 | -0.1 | 0.0 |
| 1981 | 0.1 | 0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.5 | 0.9 | -1.2 | 0.9 | 9.5 |
| 1982 | -10.1 | -6.6 | -1.2 | 0.4 | -8.0 | -3.4 | 0.4 | -0.4 | -0.3 | -0.2 | 0.0 | -0.1 |
| 1983 | -0.2 | -0.1 | -0.3 | 0.0 | 0.5 | 0.3 | 0.1 | -0.3 | 0.2 | -0.1 | -0.2 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | -0.1 | -0.2 | -0.3 |
| 1986 | 0.0 | 0.0 | -0.2 | 0.4 | 0.1 | 0.3 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 |
| 1987 | 0.0 | 0.2 | 0.1 | -0.2 | 0.1 | 0.0 | 2.5 | 2.9 | 2.4 | -2.2 | -5.2 | -26.0 |
| 1988 | -16.4 | -6.3 | -6.0 | -0.6 | 0.4 | 2.6 | 2.4 | 4.1 | 3.0 | -6.7 | 5.9 | -20.9 |
| 1989 | -22.1 | -8.7 | -6.1 | 8.0 | 8.0 | 3.8 | 1.6 | 4.2 | 3.0 | -0.4 | 2.5 | -0.9 |
| 1990 | -5.9 | -4.5 | -3.9 | -4.2 | -0.3 | 1.2 | 1.4 | 1.1 | 0.8 | 9.7 | 2.2 | -24.6 |
| 1991 | -24.2 | -9.8 | -6.7 | -4.1 | -0.9 | -0.1 | 0.7 | 0.6 | 2.7 | 7.2 | -0.4 | -19.0 |
| 1992 | -18.1 | -6.6 | -4.7 | -5.1 | -3.9 | 0.2 | 0.5 | 2.9 | 3.2 | -1.1 | 2.5 | -22.6 |
| 1993 | -23.2 | -8.1 | -2.7 | 2.2 | 1.3 | 1.0 | 0.7 | 0.7 | -14.5 | -6.9 | 0.6 | 0.3 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.4 | 1.5 | 0.8 | 0.6 | 0.5 | 0.4 | -0.8 | -18.7 | -1.7 |
| 1995 | -4.6 | 0.5 | -2.8 | 0.6 | 0.7 | 0.3 | 0.2 | 0.1 | 0.2 | -0.1 | 0.0 | 0.1 |
| 1996 | -0.1 | -0.1 | 0.0 | 0.1 | 0.2 | -0.1 | 0.3 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 |
| 1997 | 0.0 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | 0.0 | 0.3 | 0.2 | 0.1 | -0.1 | -0.3 |
| 1998 | 0.3 | 0.4 | 0.2 | 0.4 | 0.3 | -0.1 | 0.0 | 0.4 | 0.2 | -0.1 | -0.2 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.3 | 0.1 | 0.3 | 0.3 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | -0.1 | -0.1 | -0.6 | 0.1 | 0.1 | 0.9 | 1.0 | 2.1 | -1.8 | 4.5 | -11.5 |
| 2002 | -12.0 | -4.0 | 1.7 | 0.8 | 0.6 | 0.3 | 0.2 | 0.1 | 1.2 | 0.1 | -0.1 | -0.8 |
| 2003 | -0.9 | -0.1 | -0.1 | 0.5 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 1.1 | 1.5 | -2.6 |
| | | | | | | | | | | | | |
| Average | -5.6 | -2.1 | -1.3 | -0.3 | 0.6 | 0.0 | 0.4 | 0.7 | 0.2 | 0.0 | -1.2 | -5.5 |
| Critical | -13.0 | -5.4 | -4.1 | -3.3 | -0.9 | 0.9 | 1.2 | 1.6 | 1.6 | 1.3 | -6.3 | -22.0 |
| Dry | -5.7 | -2.1 | -0.7 | 1.4 | 1.5 | 0.7 | 0.9 | 1.5 | 1.6 | -0.9 | 0.4 | -5.0 |
| BN | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -8.2 | -2.7 | -0.9 | 0.4 | 4.0 | -1.4 | -0.5 | 0.2 | -2.4 | -0.9 | 0.3 | -0.4 |
| Wet | -1.1 | -0.5 | -0.3 | 0.1 | -0.5 | -0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 1-168. CCWD Intake location in Victoria Canal salinity (EC) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | -1.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | -2.1 | -8.2 |
| 1977 | -4.7 | -1.8 | -1.2 | -1.2 | -0.4 | 0.3 | 0.6 | 0.4 | 0.2 | -2.6 | -5.0 | -3.8 |
| 1978 | -3.5 | -1.3 | -0.7 | -0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.4 | 0.2 | 6.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.4 | 0.2 | 2.0 |
| 1982 | -1.9 | -1.4 | -0.4 | 0.1 | -2.2 | -0.9 | 0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1983 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.1 | -0.2 | 0.1 | 0.0 | -0.1 | -0.1 |
| 1984 | 0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 | 0.7 | -0.7 | -1.4 | -6.2 |
| 1988 | -3.3 | -1.2 | -1.1 | -0.1 | 0.1 | 0.5 | 0.5 | 0.9 | 0.7 | -2.1 | 1.5 | -4.4 |
| 1989 | -3.9 | -1.5 | -1.0 | 1.1 | 1.2 | 0.6 | 0.3 | 1.0 | 1.0 | -0.1 | 0.6 | -0.2 |
| 1990 | -1.3 | -0.9 | -0.7 | -0.7 | -0.1 | 0.3 | 0.3 | 0.3 | 0.2 | 2.4 | 0.4 | -4.8 |
| 1991 | -4.0 | -1.5 | -0.9 | -0.5 | -0.1 | 0.0 | 0.1 | 0.1 | 0.8 | 1.8 | -0.1 | -3.8 |
| 1992 | -3.0 | -1.1 | -0.7 | -0.7 | -0.5 | 0.0 | 0.1 | 0.7 | 1.0 | -0.4 | 0.6 | -4.6 |
| 1993 | -4.0 | -1.5 | -0.5 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | -3.4 | -2.2 | 0.2 | 0.1 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | -0.2 | -3.3 | -0.4 |
| 1995 | -0.8 | 0.1 | -0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 |
| 1998 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | -0.1 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.6 | -0.6 | 1.3 | -2.8 |
| 2002 | -2.4 | -0.8 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | -0.2 |
| 2003 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 | -0.8 |
| | | | | | | | | | | | | |
| Average | -1.0 | -0.4 | -0.2 | 0.0 | 0.2 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | -0.2 | -1.1 |
| Critical | -2.3 | -0.9 | -0.7 | -0.4 | -0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | -1.1 | -4.3 |
| Dry | -1.1 | -0.4 | -0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.5 | -0.3 | 0.1 | -1.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -1.3 | -0.5 | -0.1 | 0.1 | 1.1 | -0.3 | -0.1 | 0.1 | -0.6 | -0.3 | 0.1 | -0.1 |
| Wet | -0.2 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.1.2 Stage Model Output

Model output for each location is presented here in two basic forms – as Tables and as Figures showing monthly average of daily minimum stage for the Base scenario and change from Base for monthly average of daily minimum stage, (Scenario – Base). The Tables have several subtypes, although all of them show results for water years 1970 – 2003, including average monthly results for the average over all water year types and results split by water year type. For each location, the Tables show Base monthly average of daily minimum stage, change from Base of Monthly Average of daily minimum stage and percent change from Base of monthly average of daily minimum stage for each of the three alternative scenarios (i.e., seven tables per location).

Results were calculated upstream and downstream of agricultural barrier locations in Old River, Middle River and Grant Line Canal, as well as at three additional locations: Old River near Middle River, Old River near Tracy, and RMID040 in Middle River.

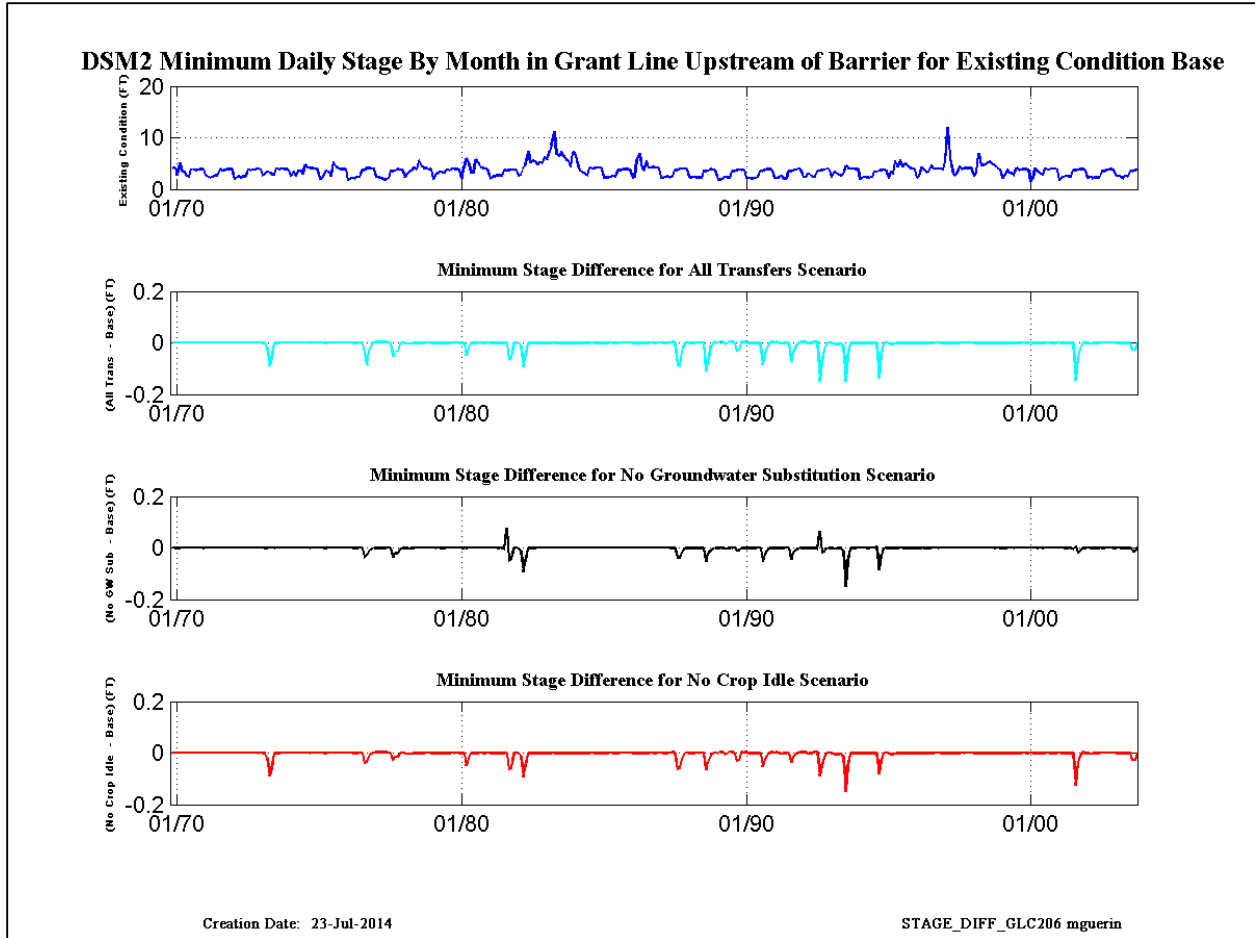


Figure 2-1. Minimum stage at Grant Line barrier and minimum stage differences Scenario – Base.

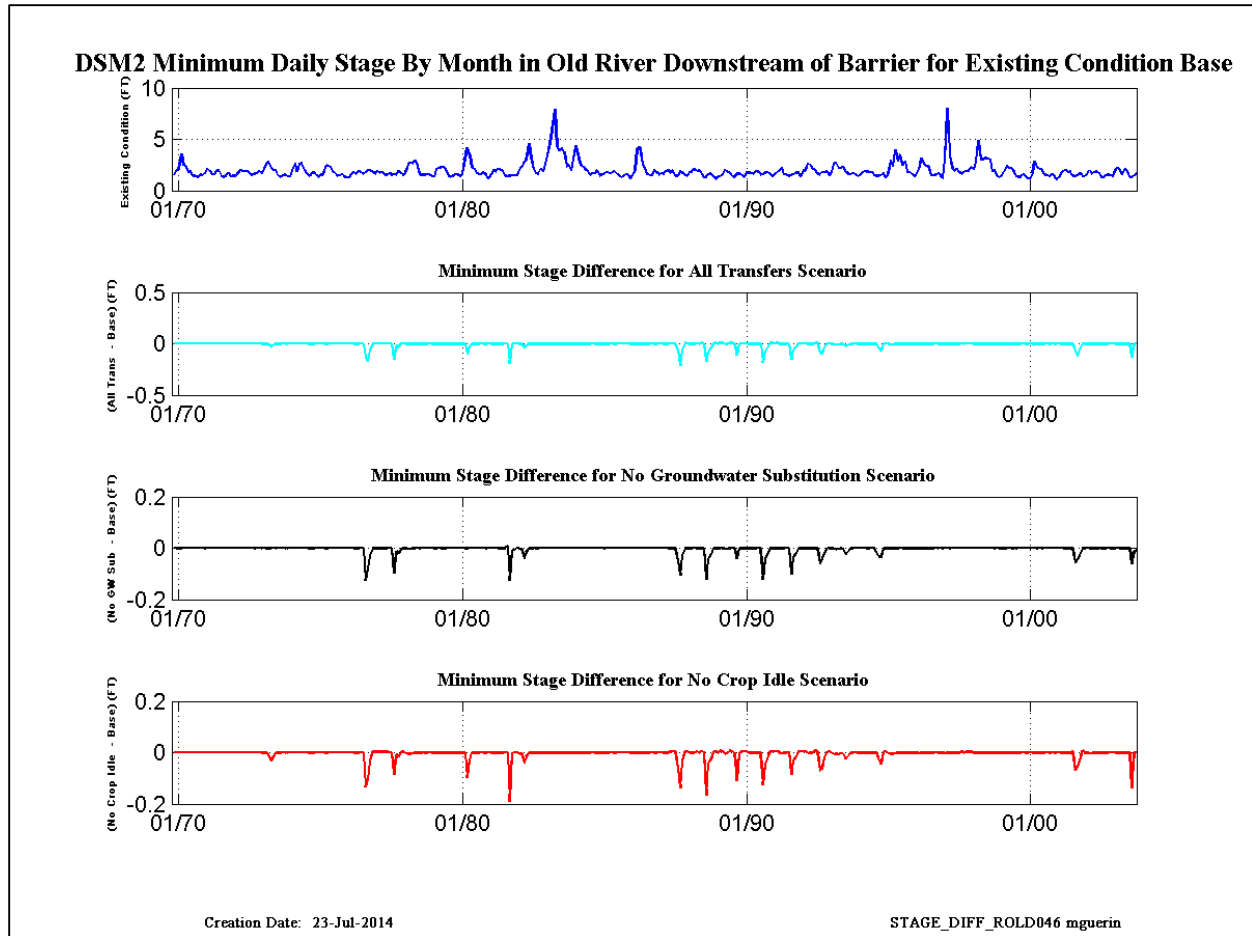


Figure 2-2. Minimum stage at Old River Downstream barrier and minimum stage differences Scenario – Base.

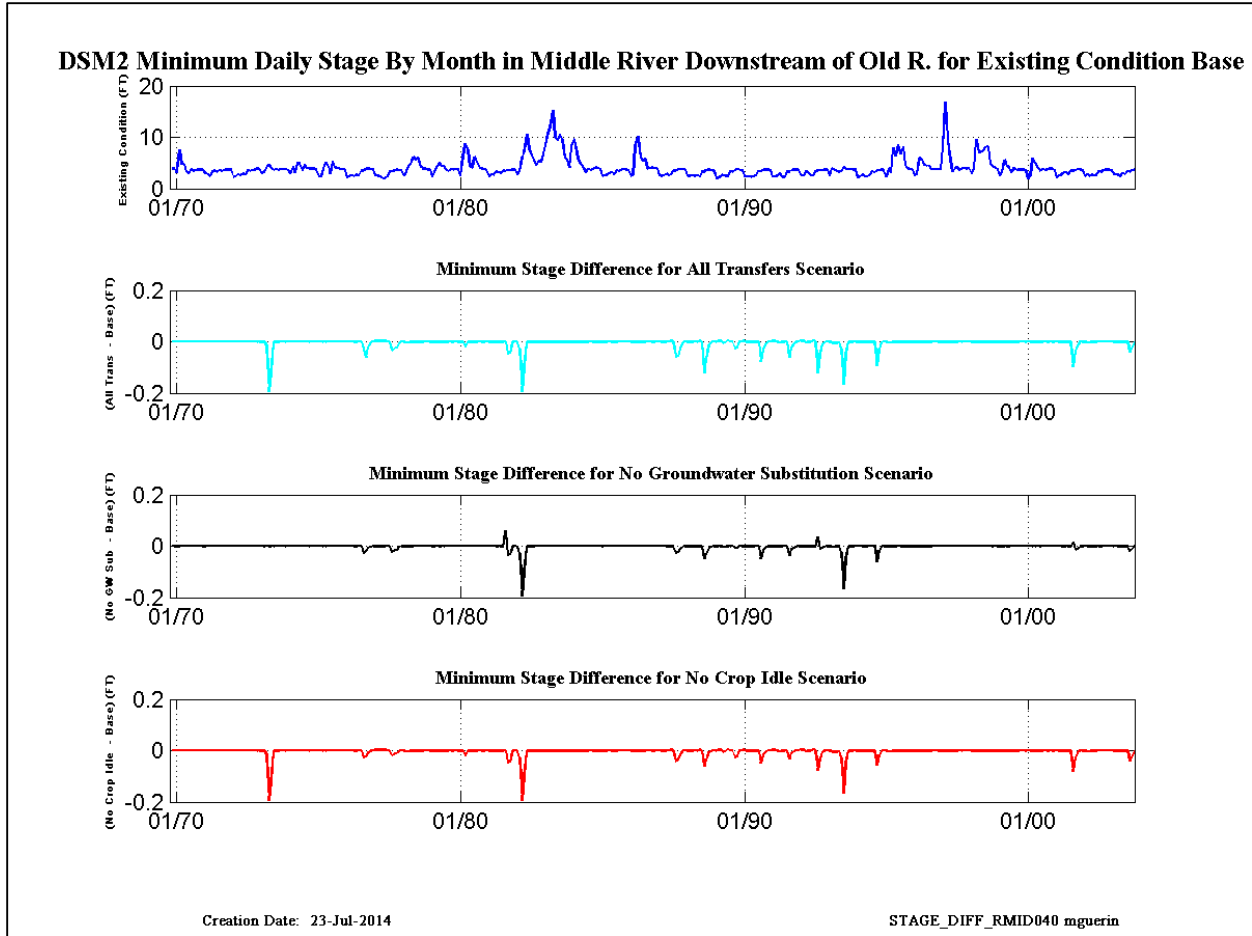


Figure 2-3. Minimum stage at Middle River Downstream of Old R. barrier and minimum stage differences Scenario – Base.

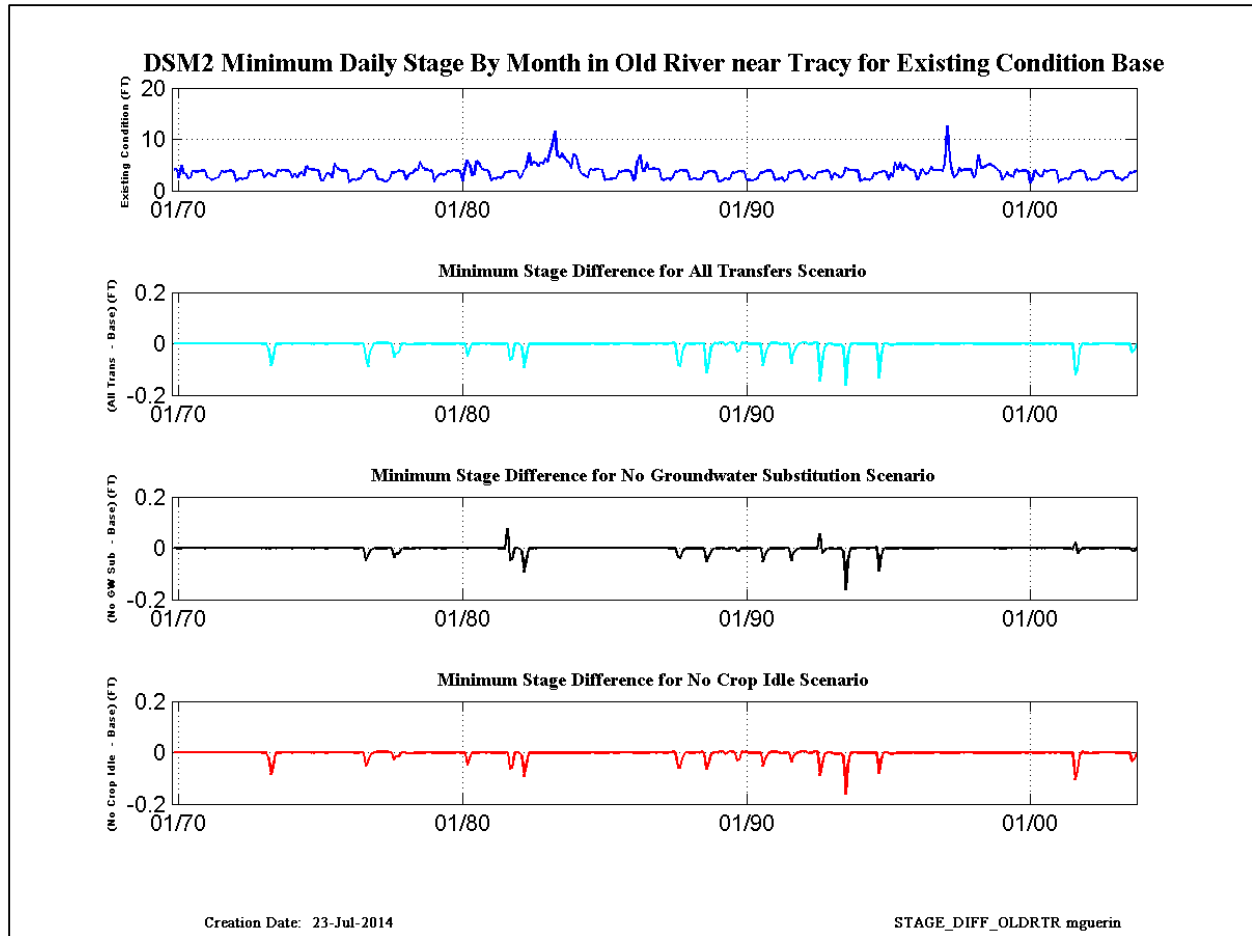


Figure 2-4. Minimum stage at Old River near Tracy barrier and minimum stage differences Scenario – Base.

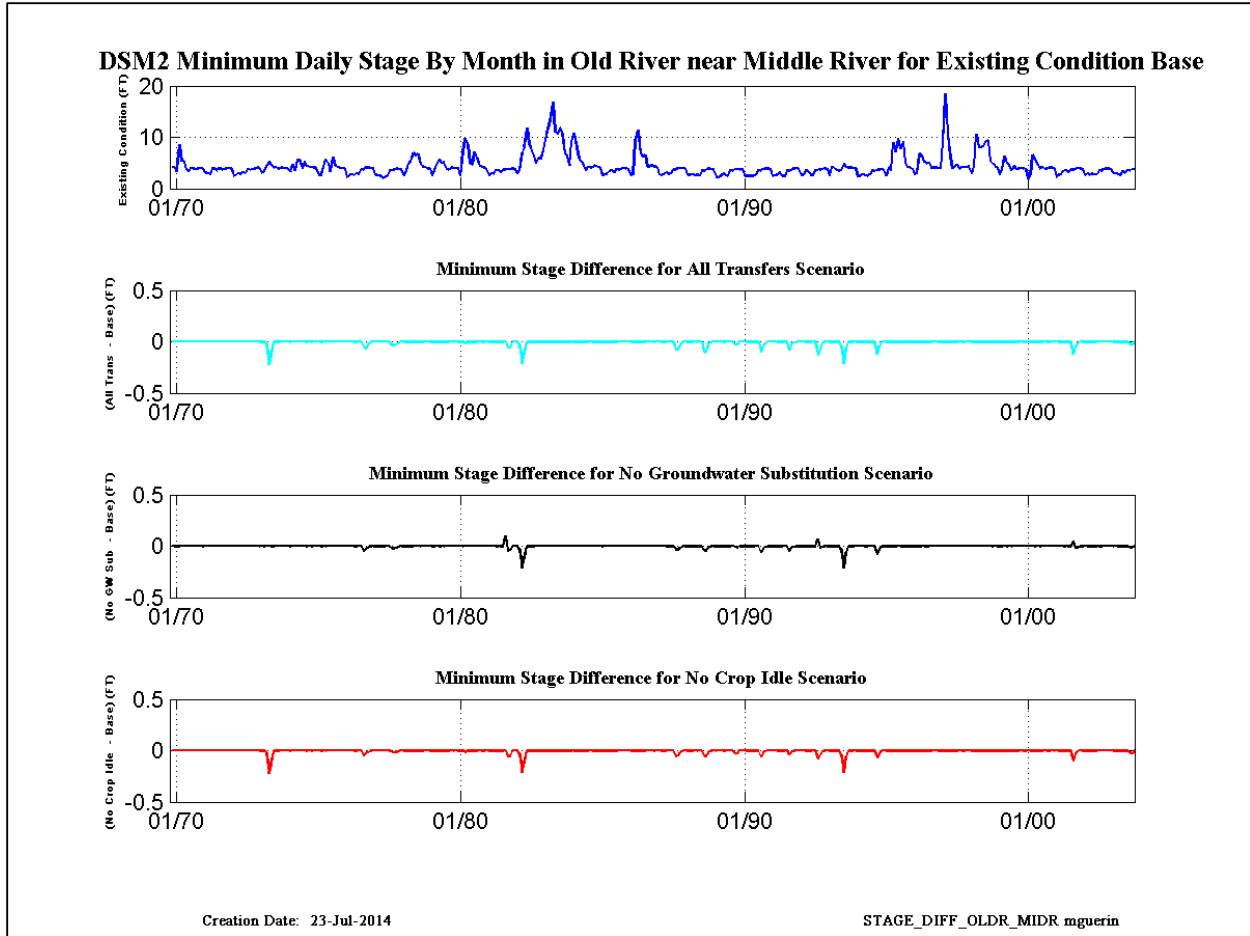


Figure 2-5. Minimum stage at Old River near Middle River barrier and minimum stage differences Scenario – Base.

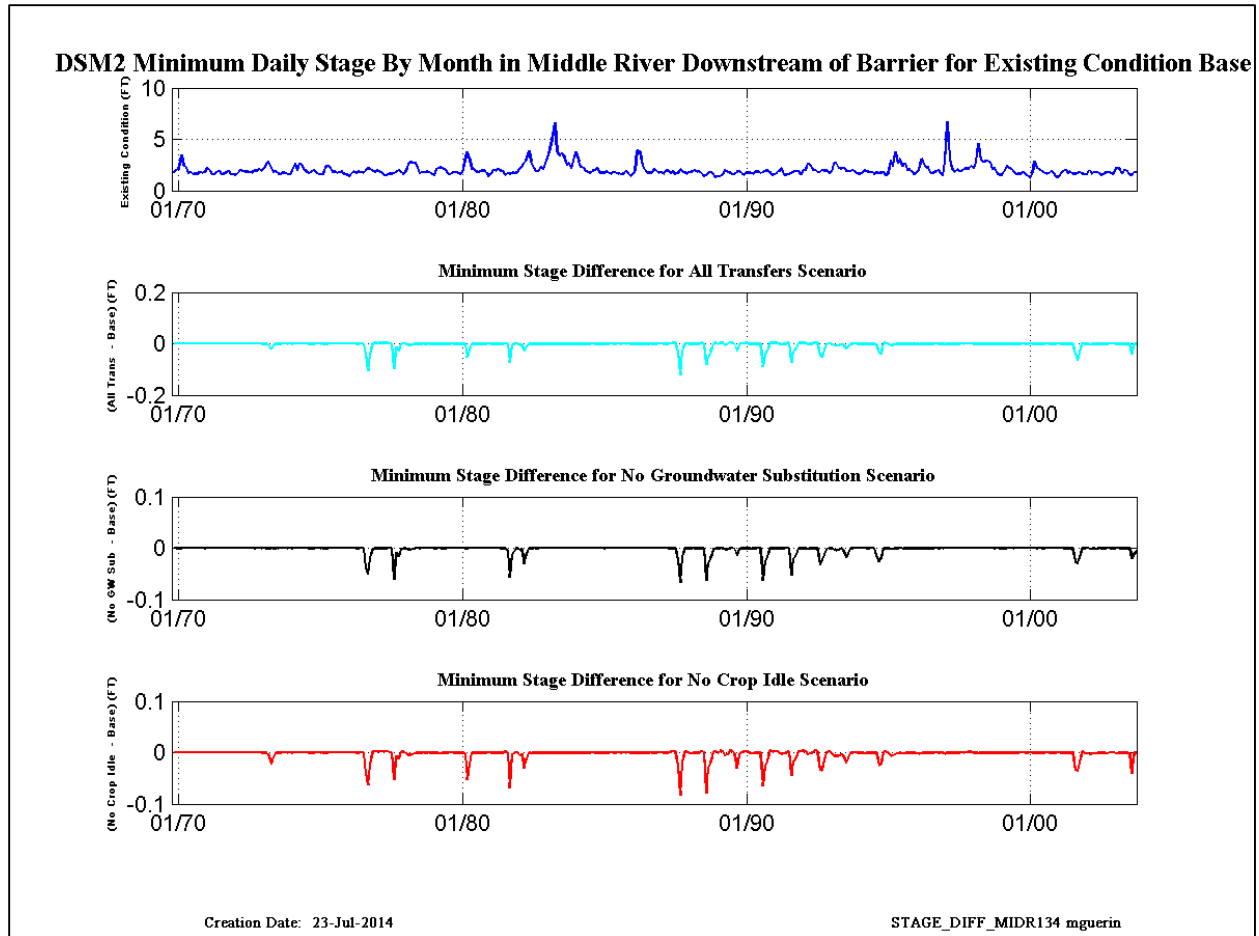


Figure 2-6. Minimum stage at Middle River barrier and minimum stage differences Scenario – Base.

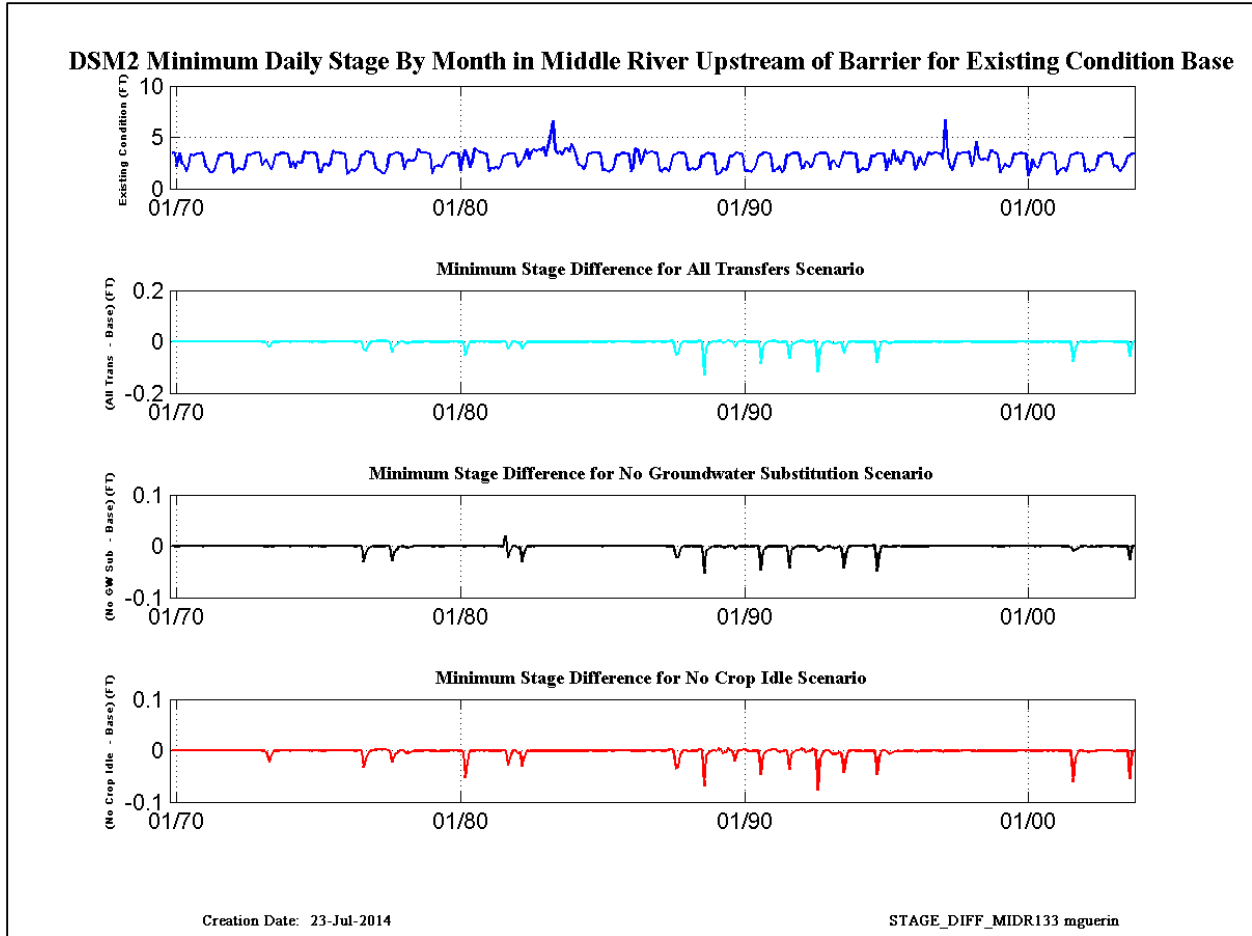


Figure 2-7. Minimum stage at Middle River Upstream barrier and minimum stage differences Scenario – Base.

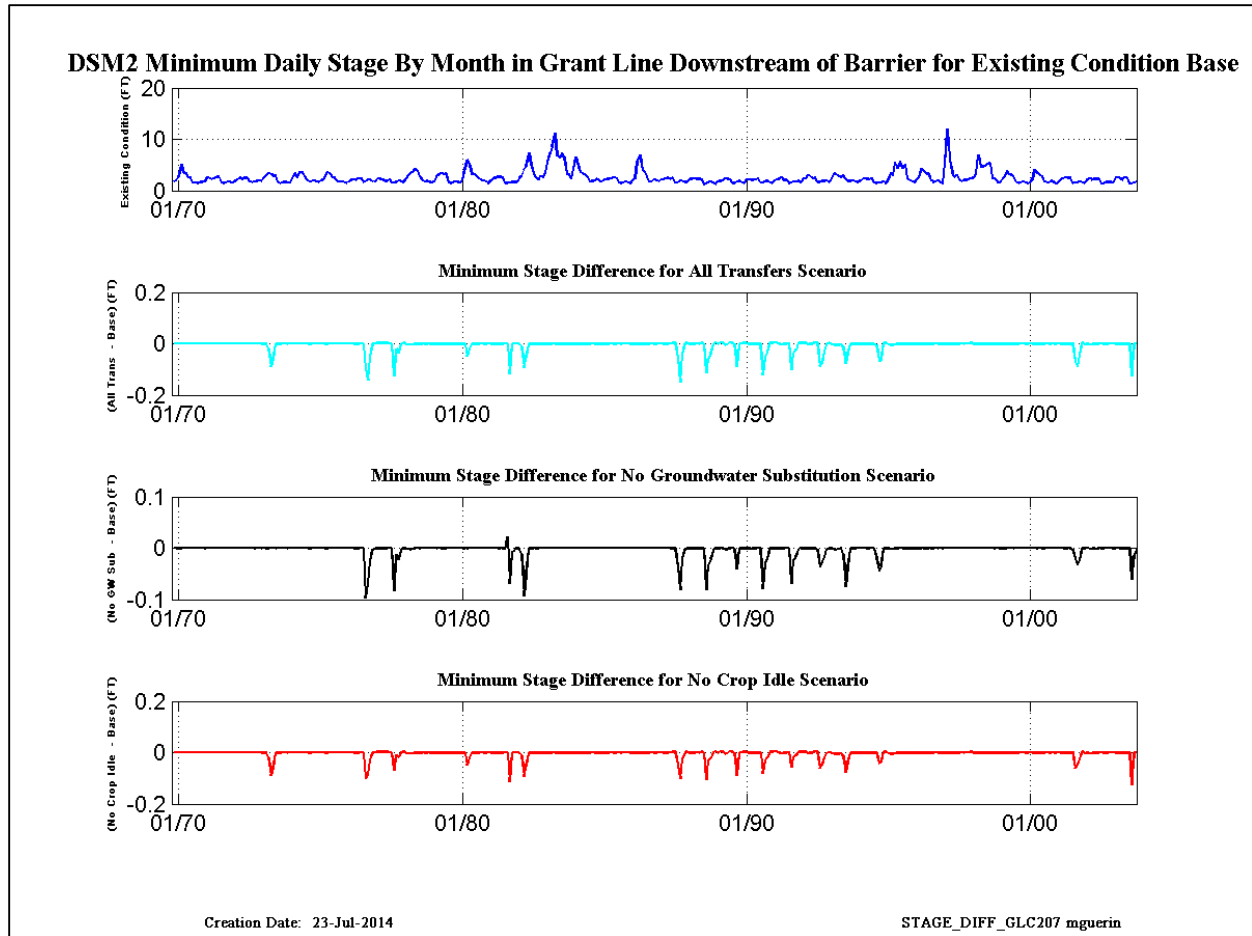


Figure 2-8. Minimum stage downstream of Grant Line barrier and minimum stage differences Scenario – Base.

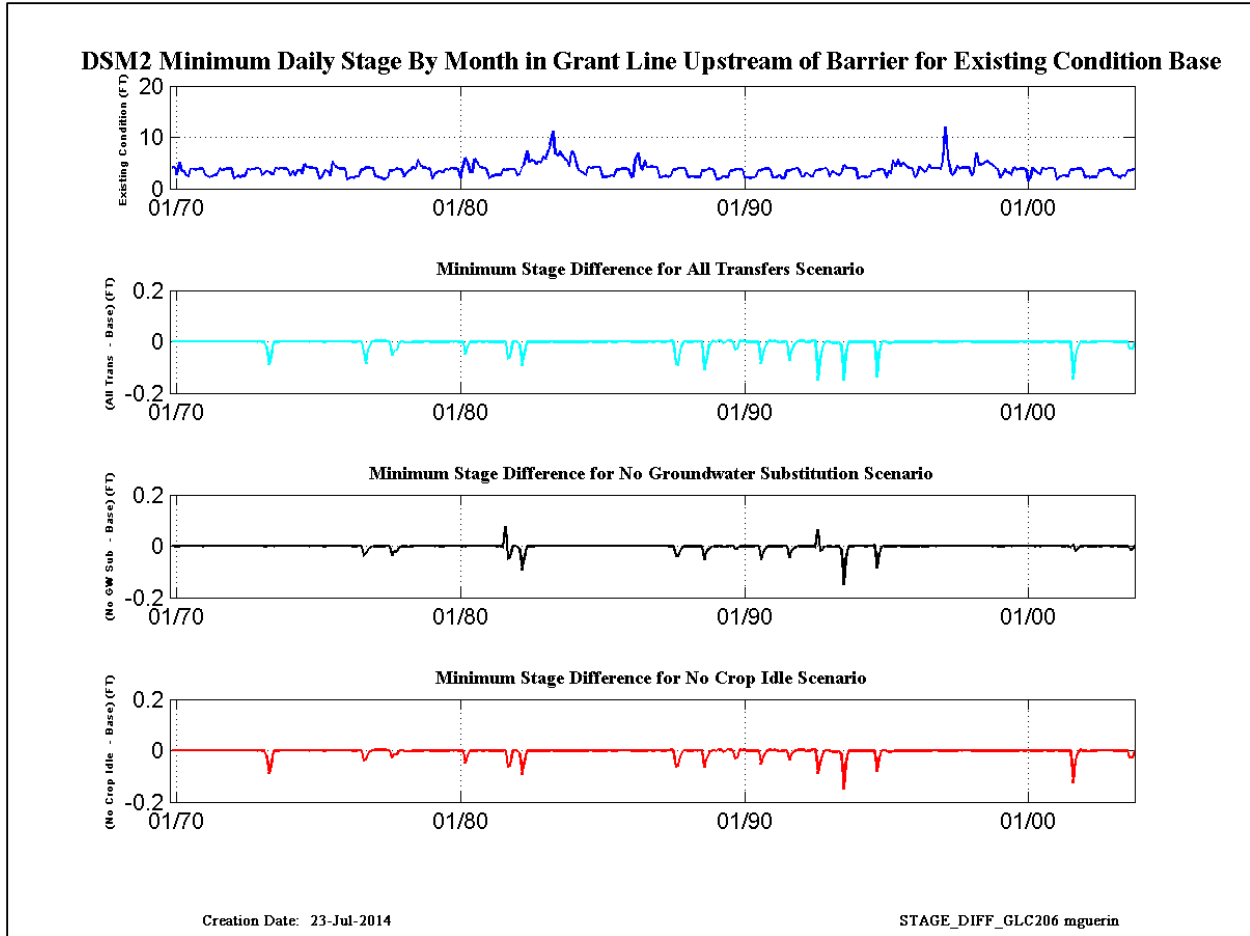


Figure 2-9. Minimum stage at Grant Line Upstream barrier and minimum stage differences Scenario – Base.

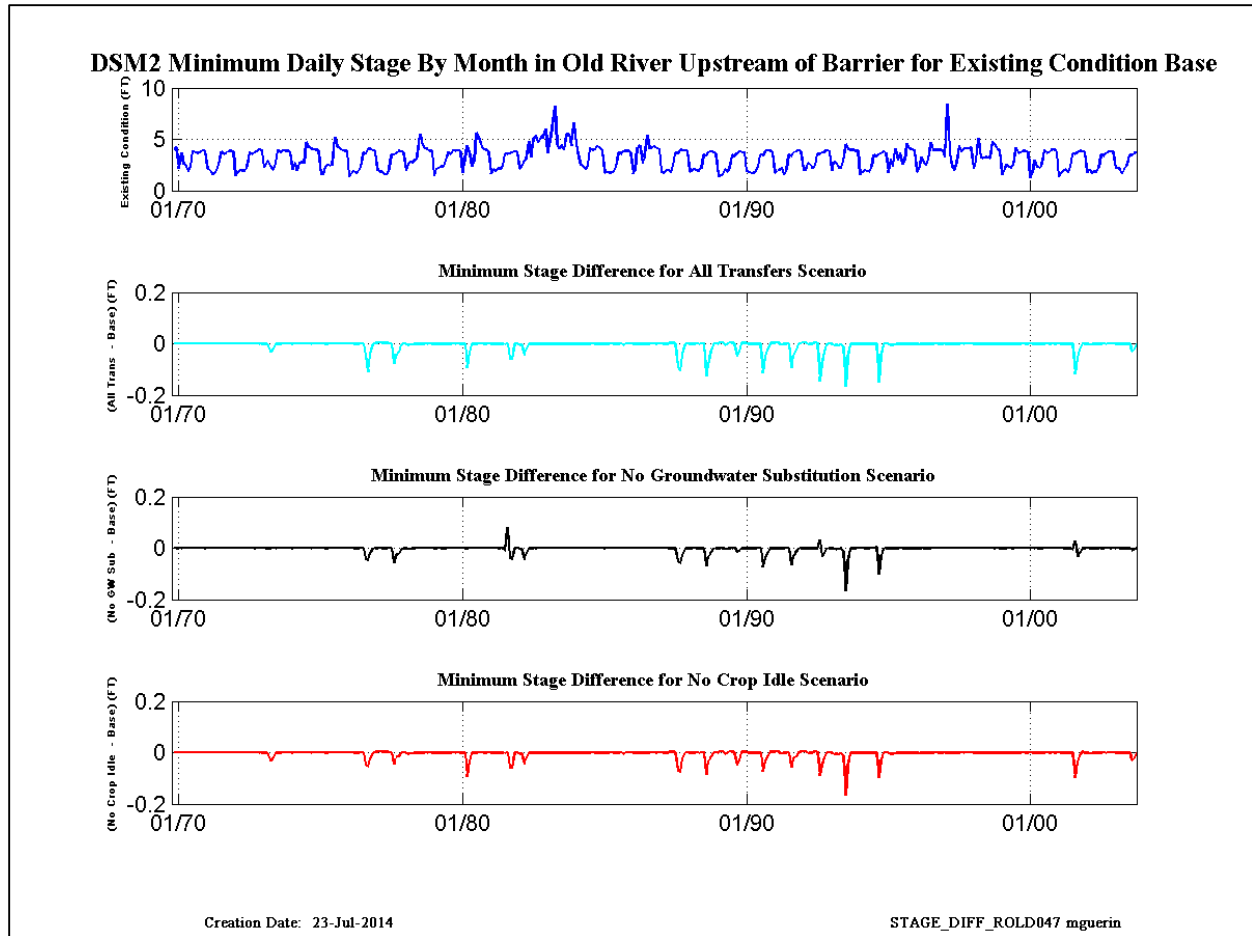


Figure 2-10. Minimum stage at Old River Upstream barrier and minimum stage differences Scenario – Base.

Long-Term Water Transfers
Final EIS/EIR

Table 2-1. Grant Line upstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|
| 1970 | 4.1 | 4.2 | 2.7 | 5.1 | 3.5 | 3.3 | 2.6 | 2.5 | 3.9 | 3.8 | 3.7 | 3.8 |
| 1971 | 3.9 | 3.9 | 2.6 | 2.4 | 2.1 | 2.5 | 2.7 | 2.7 | 3.9 | 3.6 | 3.7 | 3.8 |
| 1972 | 3.9 | 3.9 | 2.0 | 2.1 | 2.5 | 2.3 | 2.5 | 2.5 | 3.8 | 3.6 | 3.8 | 3.8 |
| 1973 | 4.0 | 3.9 | 2.6 | 3.0 | 3.4 | 3.2 | 2.9 | 2.9 | 4.0 | 3.8 | 4.0 | 3.9 |
| 1974 | 3.9 | 3.8 | 2.5 | 3.4 | 2.5 | 3.6 | 3.6 | 2.9 | 4.8 | 4.2 | 4.1 | 4.1 |
| 1975 | 4.0 | 3.9 | 2.1 | 2.1 | 3.0 | 3.6 | 3.2 | 2.6 | 5.3 | 4.3 | 4.1 | 3.9 |
| 1976 | 3.9 | 3.9 | 1.8 | 2.1 | 2.3 | 2.1 | 2.4 | 2.4 | 3.7 | 3.7 | 4.1 | 4.1 |
| 1977 | 4.0 | 3.9 | 2.4 | 2.2 | 2.2 | 1.9 | 1.9 | 2.2 | 3.5 | 3.5 | 3.6 | 3.9 |
| 1978 | 3.8 | 3.7 | 2.3 | 3.0 | 3.5 | 3.6 | 4.2 | 3.8 | 5.6 | 4.5 | 4.1 | 4.1 |
| 1979 | 3.8 | 3.9 | 1.9 | 2.7 | 3.1 | 3.5 | 3.2 | 3.2 | 3.8 | 3.6 | 4.0 | 3.9 |
| 1980 | 3.9 | 3.8 | 2.1 | 4.3 | 6.0 | 5.0 | 3.2 | 3.1 | 5.8 | 5.1 | 4.3 | 4.1 |
| 1981 | 4.0 | 3.8 | 2.1 | 2.5 | 2.3 | 2.7 | 2.6 | 2.6 | 3.7 | 3.6 | 3.7 | 3.8 |
| 1982 | 3.8 | 3.8 | 2.5 | 2.9 | 4.1 | 4.7 | 7.3 | 5.1 | 5.5 | 5.4 | 4.6 | 5.3 |
| 1983 | 5.1 | 6.2 | 5.7 | 7.4 | 8.6 | 11.2 | 6.8 | 6.3 | 7.2 | 6.5 | 5.7 | 5.6 |
| 1984 | 4.4 | 7.2 | 6.6 | 4.6 | 3.6 | 3.2 | 2.9 | 2.6 | 4.2 | 4.0 | 4.1 | 4.3 |
| 1985 | 4.1 | 4.0 | 2.2 | 2.3 | 2.3 | 2.4 | 2.6 | 2.4 | 3.8 | 3.6 | 3.9 | 3.9 |
| 1986 | 3.9 | 3.7 | 2.1 | 2.4 | 5.8 | 6.9 | 4.0 | 3.7 | 5.5 | 4.2 | 4.2 | 4.3 |
| 1987 | 4.2 | 4.1 | 2.3 | 2.1 | 2.4 | 2.5 | 2.2 | 2.5 | 3.7 | 3.7 | 4.0 | 3.9 |
| 1988 | 4.0 | 3.9 | 2.3 | 2.3 | 2.5 | 2.3 | 2.3 | 2.2 | 3.5 | 3.4 | 3.7 | 3.9 |
| 1989 | 3.8 | 3.6 | 1.9 | 1.8 | 2.1 | 2.4 | 2.2 | 2.2 | 3.5 | 3.4 | 3.7 | 3.9 |
| 1990 | 3.7 | 3.8 | 2.3 | 2.2 | 2.1 | 2.1 | 2.2 | 2.4 | 3.5 | 3.5 | 3.8 | 3.9 |
| 1991 | 3.9 | 3.8 | 2.1 | 2.2 | 2.3 | 2.7 | 2.0 | 2.0 | 3.5 | 3.4 | 3.7 | 3.8 |
| 1992 | 3.9 | 3.8 | 2.4 | 2.3 | 3.1 | 2.8 | 2.4 | 2.4 | 3.6 | 3.6 | 3.7 | 3.8 |
| 1993 | 3.9 | 3.8 | 2.3 | 3.3 | 3.2 | 2.8 | 2.7 | 2.9 | 4.6 | 4.1 | 4.0 | 4.0 |
| 1994 | 3.9 | 3.9 | 2.0 | 2.1 | 2.4 | 2.2 | 2.2 | 2.3 | 3.5 | 3.3 | 3.6 | 3.6 |
| 1995 | 3.9 | 3.7 | 2.1 | 3.5 | 2.8 | 5.5 | 4.3 | 5.7 | 4.3 | 5.1 | 4.6 | 4.1 |
| 1996 | 4.0 | 3.9 | 2.3 | 2.5 | 4.3 | 3.9 | 3.3 | 3.4 | 4.7 | 4.0 | 4.0 | 4.0 |
| 1997 | 4.0 | 3.9 | 5.3 | 12.1 | 6.2 | 3.6 | 2.7 | 3.1 | 4.5 | 3.8 | 4.1 | 4.1 |
| 1998 | 4.1 | 4.2 | 2.5 | 3.4 | 6.9 | 4.7 | 4.7 | 4.8 | 5.2 | 5.3 | 4.8 | 4.6 |
| 1999 | 4.1 | 3.9 | 2.1 | 2.6 | 3.8 | 3.2 | 3.0 | 2.7 | 4.2 | 3.7 | 3.8 | 3.9 |
| 2000 | 3.9 | 3.8 | 1.6 | 2.2 | 4.1 | 3.4 | 3.0 | 2.8 | 4.0 | 3.7 | 3.8 | 4.0 |
| 2001 | 4.0 | 3.8 | 1.8 | 2.2 | 2.3 | 2.6 | 2.5 | 2.5 | 3.7 | 3.6 | 3.8 | 3.9 |
| 2002 | 3.8 | 3.8 | 2.2 | 2.4 | 2.1 | 2.3 | 2.3 | 2.3 | 3.6 | 3.4 | 3.7 | 3.8 |
| 2003 | 3.8 | 3.8 | 2.6 | 2.6 | 2.4 | 2.1 | 2.6 | 2.5 | 3.5 | 3.5 | 3.7 | 3.8 |
| | | | | | | | | | | | | |
| Average | 4.0 | 4.0 | 2.5 | 3.1 | 3.4 | 3.4 | 3.1 | 3.0 | 4.3 | 4.0 | 4.0 | 4.0 |
| Critical | 3.9 | 3.8 | 2.2 | 2.2 | 2.4 | 2.3 | 2.2 | 2.3 | 3.5 | 3.5 | 3.7 | 3.9 |
| Dry | 4.0 | 3.8 | 2.0 | 2.2 | 2.2 | 2.5 | 2.4 | 2.4 | 3.7 | 3.6 | 3.8 | 3.9 |
| BN | 3.9 | 3.9 | 1.9 | 2.4 | 2.8 | 2.9 | 2.8 | 2.9 | 3.8 | 3.6 | 3.9 | 3.9 |
| AN | 3.9 | 3.8 | 2.2 | 3.1 | 3.8 | 3.4 | 3.1 | 3.0 | 4.6 | 4.1 | 4.0 | 4.0 |
| Wet | 4.1 | 4.3 | 3.2 | 4.2 | 4.4 | 4.6 | 3.9 | 3.7 | 4.9 | 4.5 | 4.3 | 4.3 |

Table 2-2. Grant Line downstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|
| 1970 | 1.8 | 2.0 | 2.6 | 5.1 | 3.5 | 3.3 | 2.6 | 2.5 | 1.6 | 1.6 | 1.5 | 1.7 |
| 1971 | 1.7 | 1.8 | 2.6 | 2.4 | 2.1 | 2.5 | 2.7 | 2.7 | 1.6 | 1.4 | 1.6 | 1.8 |
| 1972 | 1.6 | 1.5 | 1.9 | 2.1 | 2.5 | 2.3 | 2.5 | 2.5 | 1.7 | 1.6 | 1.8 | 1.8 |
| 1973 | 2.1 | 1.9 | 2.6 | 3.0 | 3.4 | 3.2 | 2.9 | 2.9 | 1.7 | 1.5 | 1.7 | 1.7 |
| 1974 | 1.6 | 1.5 | 2.5 | 3.4 | 2.5 | 3.6 | 3.6 | 2.9 | 2.2 | 1.8 | 1.8 | 2.0 |
| 1975 | 1.8 | 1.6 | 2.0 | 2.1 | 3.0 | 3.6 | 3.2 | 2.6 | 2.5 | 1.8 | 1.8 | 1.8 |
| 1976 | 1.5 | 1.5 | 1.7 | 2.1 | 2.3 | 2.1 | 2.4 | 2.4 | 1.6 | 1.8 | 2.1 | 2.1 |
| 1977 | 1.9 | 1.7 | 2.3 | 2.2 | 2.2 | 1.9 | 1.9 | 2.2 | 1.5 | 1.6 | 1.6 | 2.0 |
| 1978 | 1.7 | 1.5 | 2.2 | 3.0 | 3.5 | 3.6 | 4.2 | 3.8 | 2.6 | 2.0 | 1.8 | 1.9 |
| 1979 | 1.7 | 1.6 | 1.8 | 2.7 | 3.1 | 3.5 | 3.2 | 3.2 | 1.5 | 1.4 | 1.7 | 1.7 |
| 1980 | 1.7 | 1.6 | 2.1 | 4.3 | 6.0 | 5.0 | 3.2 | 3.1 | 2.9 | 2.3 | 2.0 | 2.0 |
| 1981 | 1.7 | 1.3 | 2.0 | 2.5 | 2.3 | 2.7 | 2.6 | 2.6 | 1.5 | 1.5 | 1.5 | 1.6 |
| 1982 | 1.6 | 1.7 | 2.5 | 2.9 | 4.1 | 4.7 | 7.3 | 5.1 | 3.4 | 2.6 | 2.1 | 2.8 |
| 1983 | 2.6 | 3.6 | 5.6 | 7.4 | 8.6 | 11.2 | 6.8 | 6.3 | 7.2 | 6.5 | 3.2 | 3.2 |
| 1984 | 2.3 | 4.4 | 6.6 | 4.6 | 3.6 | 3.2 | 2.9 | 2.6 | 1.8 | 1.9 | 1.9 | 2.3 |
| 1985 | 1.7 | 1.7 | 2.1 | 2.3 | 2.3 | 2.4 | 2.6 | 2.4 | 1.6 | 1.4 | 1.6 | 1.8 |
| 1986 | 1.6 | 1.4 | 2.1 | 2.4 | 5.8 | 6.9 | 4.0 | 3.7 | 2.6 | 1.8 | 1.8 | 2.2 |
| 1987 | 2.0 | 1.7 | 2.2 | 2.1 | 2.4 | 2.5 | 2.2 | 2.5 | 1.5 | 1.6 | 2.0 | 1.8 |
| 1988 | 1.7 | 1.6 | 2.2 | 2.3 | 2.5 | 2.3 | 2.3 | 2.2 | 1.3 | 1.4 | 1.6 | 1.7 |
| 1989 | 1.5 | 1.2 | 1.8 | 1.8 | 2.1 | 2.4 | 2.2 | 2.2 | 1.5 | 1.4 | 1.7 | 1.8 |
| 1990 | 1.6 | 1.5 | 2.2 | 2.2 | 2.1 | 2.1 | 2.2 | 2.4 | 1.6 | 1.6 | 1.8 | 1.9 |
| 1991 | 1.7 | 1.5 | 2.1 | 2.2 | 2.3 | 2.7 | 2.0 | 2.0 | 1.5 | 1.5 | 1.7 | 1.8 |
| 1992 | 1.9 | 1.5 | 2.3 | 2.3 | 3.1 | 2.8 | 2.4 | 2.4 | 1.7 | 1.7 | 1.9 | 1.8 |
| 1993 | 1.9 | 1.6 | 2.2 | 3.3 | 3.2 | 2.8 | 2.7 | 2.9 | 2.1 | 1.9 | 1.8 | 1.9 |
| 1994 | 1.8 | 1.6 | 1.9 | 2.1 | 2.4 | 2.2 | 2.2 | 2.3 | 1.6 | 1.5 | 1.5 | 1.6 |
| 1995 | 1.8 | 1.4 | 2.1 | 3.5 | 2.8 | 5.5 | 4.3 | 5.7 | 4.3 | 5.1 | 2.3 | 2.0 |
| 1996 | 1.8 | 1.5 | 2.2 | 2.5 | 4.3 | 3.9 | 3.3 | 3.4 | 2.0 | 1.7 | 1.8 | 1.9 |
| 1997 | 1.6 | 1.5 | 5.3 | 12.1 | 6.2 | 3.6 | 2.7 | 3.1 | 2.1 | 1.8 | 2.0 | 2.1 |
| 1998 | 2.1 | 2.4 | 2.5 | 3.4 | 6.9 | 4.7 | 4.7 | 4.8 | 5.2 | 5.3 | 2.4 | 2.3 |
| 1999 | 1.7 | 1.5 | 2.1 | 2.6 | 3.8 | 3.2 | 3.0 | 2.7 | 1.7 | 1.5 | 1.5 | 1.8 |
| 2000 | 1.6 | 1.3 | 1.6 | 2.2 | 4.1 | 3.4 | 3.0 | 2.8 | 1.7 | 1.6 | 1.6 | 1.8 |
| 2001 | 1.7 | 1.2 | 1.7 | 2.2 | 2.3 | 2.6 | 2.5 | 2.5 | 1.5 | 1.5 | 1.6 | 1.8 |
| 2002 | 1.6 | 1.5 | 2.1 | 2.4 | 2.1 | 2.3 | 2.3 | 2.3 | 1.4 | 1.4 | 1.6 | 1.7 |
| 2003 | 1.6 | 1.5 | 2.5 | 2.6 | 2.4 | 2.1 | 2.6 | 2.5 | 1.4 | 1.4 | 1.6 | 1.8 |
| | | | | | | | | | | | | |
| Average | 1.8 | 1.7 | 2.5 | 3.1 | 3.4 | 3.4 | 3.1 | 3.0 | 2.2 | 2.0 | 1.8 | 1.9 |
| Critical | 1.7 | 1.6 | 2.1 | 2.2 | 2.4 | 2.3 | 2.2 | 2.3 | 1.5 | 1.6 | 1.8 | 1.8 |
| Dry | 1.7 | 1.5 | 2.0 | 2.2 | 2.2 | 2.5 | 2.4 | 2.4 | 1.5 | 1.5 | 1.7 | 1.8 |
| BN | 1.6 | 1.6 | 1.9 | 2.4 | 2.8 | 2.9 | 2.8 | 2.9 | 1.6 | 1.5 | 1.7 | 1.8 |
| AN | 1.8 | 1.6 | 2.2 | 3.1 | 3.8 | 3.4 | 3.1 | 3.0 | 2.1 | 1.8 | 1.8 | 1.8 |
| Wet | 1.8 | 2.0 | 3.1 | 4.2 | 4.4 | 4.6 | 3.9 | 3.7 | 2.9 | 2.7 | 2.0 | 2.2 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-3. Middle River upstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1970 | 3.5 | 3.5 | 2.1 | 3.5 | 2.5 | 2.2 | 1.7 | 2.3 | 3.4 | 3.3 | 3.4 | 3.4 |
| 1971 | 3.4 | 3.4 | 2.2 | 1.9 | 1.6 | 1.6 | 1.8 | 2.4 | 3.3 | 3.2 | 3.4 | 3.5 |
| 1972 | 3.4 | 3.4 | 1.5 | 1.7 | 2.0 | 1.9 | 1.8 | 2.3 | 3.3 | 3.2 | 3.4 | 3.5 |
| 1973 | 3.5 | 3.5 | 2.2 | 2.6 | 2.9 | 2.2 | 1.8 | 2.5 | 3.4 | 3.3 | 3.5 | 3.4 |
| 1974 | 3.4 | 3.4 | 2.0 | 2.7 | 1.9 | 2.6 | 2.5 | 2.5 | 3.6 | 3.4 | 3.5 | 3.5 |
| 1975 | 3.4 | 3.4 | 1.6 | 1.6 | 2.3 | 2.4 | 2.2 | 2.4 | 3.7 | 3.4 | 3.5 | 3.5 |
| 1976 | 3.4 | 3.4 | 1.4 | 1.6 | 1.9 | 1.7 | 1.8 | 2.2 | 3.3 | 3.3 | 3.6 | 3.6 |
| 1977 | 3.5 | 3.4 | 2.0 | 1.8 | 1.8 | 1.5 | 1.5 | 2.1 | 3.3 | 3.3 | 3.4 | 3.5 |
| 1978 | 3.4 | 3.4 | 1.9 | 2.6 | 2.8 | 2.7 | 2.7 | 2.9 | 3.8 | 3.5 | 3.5 | 3.5 |
| 1979 | 3.4 | 3.4 | 1.5 | 2.1 | 2.2 | 2.2 | 2.1 | 2.6 | 3.3 | 3.2 | 3.5 | 3.4 |
| 1980 | 3.4 | 3.4 | 1.8 | 2.9 | 3.8 | 3.0 | 2.1 | 2.7 | 3.9 | 3.7 | 3.5 | 3.5 |
| 1981 | 3.4 | 3.4 | 1.7 | 2.0 | 1.9 | 2.1 | 2.0 | 2.4 | 3.2 | 3.2 | 3.4 | 3.4 |
| 1982 | 3.4 | 3.4 | 2.1 | 2.3 | 2.7 | 3.0 | 3.9 | 2.8 | 3.6 | 3.8 | 3.6 | 3.9 |
| 1983 | 3.7 | 4.1 | 3.2 | 4.1 | 5.0 | 6.6 | 3.8 | 3.4 | 3.6 | 3.3 | 3.9 | 3.9 |
| 1984 | 3.6 | 4.4 | 3.8 | 2.9 | 2.3 | 2.2 | 1.9 | 2.3 | 3.4 | 3.4 | 3.5 | 3.6 |
| 1985 | 3.5 | 3.4 | 1.8 | 1.8 | 1.7 | 1.7 | 1.8 | 2.2 | 3.3 | 3.2 | 3.4 | 3.5 |
| 1986 | 3.4 | 3.4 | 1.6 | 1.9 | 3.9 | 3.8 | 2.3 | 2.8 | 3.8 | 3.4 | 3.5 | 3.6 |
| 1987 | 3.5 | 3.5 | 1.8 | 1.7 | 1.9 | 1.9 | 1.7 | 2.4 | 3.3 | 3.3 | 3.5 | 3.5 |
| 1988 | 3.4 | 3.4 | 1.8 | 1.8 | 2.0 | 1.8 | 1.9 | 2.1 | 3.2 | 3.2 | 3.4 | 3.5 |
| 1989 | 3.4 | 3.3 | 1.4 | 1.4 | 1.6 | 2.0 | 1.8 | 2.2 | 3.2 | 3.1 | 3.4 | 3.5 |
| 1990 | 3.4 | 3.4 | 1.8 | 1.8 | 1.7 | 1.7 | 1.9 | 2.4 | 3.2 | 3.2 | 3.5 | 3.5 |
| 1991 | 3.4 | 3.4 | 1.7 | 1.8 | 1.9 | 2.2 | 1.5 | 2.0 | 3.2 | 3.2 | 3.4 | 3.5 |
| 1992 | 3.5 | 3.4 | 2.0 | 2.0 | 2.6 | 2.5 | 2.1 | 2.4 | 3.3 | 3.3 | 3.5 | 3.5 |
| 1993 | 3.5 | 3.4 | 1.9 | 2.7 | 2.7 | 2.3 | 2.1 | 2.7 | 3.6 | 3.4 | 3.5 | 3.5 |
| 1994 | 3.4 | 3.4 | 1.6 | 1.8 | 2.0 | 1.8 | 1.8 | 2.3 | 3.2 | 3.1 | 3.4 | 3.4 |
| 1995 | 3.4 | 3.4 | 1.7 | 3.0 | 2.4 | 3.8 | 2.7 | 3.1 | 2.4 | 2.6 | 3.6 | 3.5 |
| 1996 | 3.4 | 3.4 | 1.8 | 2.0 | 3.1 | 2.6 | 2.2 | 2.8 | 3.6 | 3.3 | 3.5 | 3.5 |
| 1997 | 3.4 | 3.4 | 2.9 | 6.7 | 3.1 | 2.1 | 1.8 | 2.6 | 3.5 | 3.4 | 3.5 | 3.5 |
| 1998 | 3.5 | 3.6 | 2.2 | 2.8 | 4.5 | 3.0 | 2.8 | 2.9 | 2.9 | 2.7 | 3.7 | 3.6 |
| 1999 | 3.4 | 3.4 | 1.6 | 1.8 | 2.4 | 2.2 | 2.1 | 2.4 | 3.4 | 3.3 | 3.4 | 3.4 |
| 2000 | 3.4 | 3.4 | 1.3 | 1.7 | 2.8 | 2.2 | 2.0 | 2.5 | 3.4 | 3.3 | 3.4 | 3.5 |
| 2001 | 3.4 | 3.4 | 1.4 | 1.7 | 1.9 | 2.0 | 1.7 | 2.3 | 3.3 | 3.3 | 3.4 | 3.5 |
| 2002 | 3.4 | 3.4 | 1.7 | 1.9 | 1.7 | 1.8 | 1.8 | 2.2 | 3.2 | 3.1 | 3.4 | 3.4 |
| 2003 | 3.4 | 3.4 | 2.2 | 2.2 | 2.0 | 1.6 | 2.0 | 2.4 | 3.2 | 3.1 | 3.4 | 3.4 |
| | | | | | | | | | | | | |
| Average | 3.4 | 3.5 | 1.9 | 2.3 | 2.5 | 2.4 | 2.1 | 2.5 | 3.4 | 3.3 | 3.5 | 3.5 |
| Critical | 3.4 | 3.4 | 1.8 | 1.8 | 2.0 | 1.9 | 1.8 | 2.2 | 3.3 | 3.2 | 3.4 | 3.5 |
| Dry | 3.4 | 3.4 | 1.6 | 1.8 | 1.8 | 1.9 | 1.8 | 2.3 | 3.3 | 3.2 | 3.4 | 3.5 |
| BN | 3.4 | 3.4 | 1.5 | 1.9 | 2.1 | 2.1 | 2.0 | 2.5 | 3.3 | 3.2 | 3.4 | 3.5 |
| AN | 3.4 | 3.4 | 1.9 | 2.5 | 2.8 | 2.3 | 2.1 | 2.6 | 3.5 | 3.4 | 3.5 | 3.5 |
| Wet | 3.5 | 3.5 | 2.2 | 2.9 | 2.9 | 2.9 | 2.4 | 2.7 | 3.4 | 3.3 | 3.5 | 3.6 |

Table 2-4. Middle River downstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1970 | 1.8 | 2.0 | 2.1 | 3.5 | 2.5 | 2.2 | 1.7 | 1.8 | 1.6 | 1.7 | 1.6 | 1.8 |
| 1971 | 1.7 | 1.8 | 2.2 | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 | 1.6 | 1.6 | 1.8 | 1.9 |
| 1972 | 1.6 | 1.6 | 1.5 | 1.7 | 2.0 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 |
| 1973 | 2.1 | 1.9 | 2.2 | 2.6 | 2.9 | 2.2 | 1.8 | 1.9 | 1.6 | 1.6 | 1.8 | 1.7 |
| 1974 | 1.6 | 1.6 | 2.0 | 2.7 | 1.9 | 2.6 | 2.5 | 2.0 | 1.8 | 1.7 | 1.8 | 2.0 |
| 1975 | 1.7 | 1.6 | 1.6 | 1.6 | 2.3 | 2.4 | 2.2 | 1.8 | 1.8 | 1.7 | 1.8 | 1.8 |
| 1976 | 1.6 | 1.5 | 1.4 | 1.6 | 1.9 | 1.7 | 1.8 | 1.8 | 1.7 | 2.0 | 2.2 | 2.1 |
| 1977 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | 1.5 | 1.5 | 1.7 | 1.6 | 1.7 | 1.8 | 2.0 |
| 1978 | 1.8 | 1.6 | 1.9 | 2.6 | 2.8 | 2.7 | 2.7 | 2.2 | 1.7 | 1.8 | 1.8 | 1.9 |
| 1979 | 1.8 | 1.6 | 1.5 | 2.1 | 2.2 | 2.2 | 2.1 | 2.0 | 1.6 | 1.6 | 1.8 | 1.8 |
| 1980 | 1.7 | 1.6 | 1.8 | 2.9 | 3.8 | 3.0 | 2.1 | 2.0 | 1.8 | 1.8 | 1.9 | 2.0 |
| 1981 | 1.7 | 1.4 | 1.7 | 2.0 | 1.9 | 2.1 | 2.0 | 1.9 | 1.6 | 1.7 | 1.7 | 1.7 |
| 1982 | 1.7 | 1.7 | 2.1 | 2.3 | 2.7 | 3.0 | 3.9 | 2.8 | 2.2 | 1.9 | 1.9 | 2.3 |
| 1983 | 2.1 | 2.7 | 3.2 | 4.1 | 5.0 | 6.6 | 3.8 | 3.4 | 3.6 | 3.3 | 2.5 | 2.6 |
| 1984 | 2.1 | 3.0 | 3.8 | 2.9 | 2.3 | 2.2 | 1.9 | 1.8 | 1.7 | 1.9 | 2.0 | 2.2 |
| 1985 | 1.7 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.9 |
| 1986 | 1.7 | 1.4 | 1.6 | 1.9 | 3.9 | 3.8 | 2.3 | 2.1 | 1.7 | 1.7 | 1.8 | 2.1 |
| 1987 | 1.9 | 1.7 | 1.8 | 1.7 | 1.9 | 1.9 | 1.7 | 1.9 | 1.6 | 1.7 | 2.0 | 1.9 |
| 1988 | 1.7 | 1.7 | 1.8 | 1.8 | 2.0 | 1.8 | 1.9 | 1.6 | 1.4 | 1.5 | 1.7 | 1.8 |
| 1989 | 1.6 | 1.3 | 1.4 | 1.4 | 1.6 | 2.0 | 1.8 | 1.7 | 1.6 | 1.6 | 1.9 | 1.9 |
| 1990 | 1.7 | 1.5 | 1.8 | 1.8 | 1.7 | 1.7 | 1.9 | 1.8 | 1.7 | 1.8 | 1.9 | 1.9 |
| 1991 | 1.7 | 1.5 | 1.6 | 1.8 | 1.9 | 2.2 | 1.5 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 |
| 1992 | 1.9 | 1.5 | 1.9 | 2.0 | 2.6 | 2.5 | 2.1 | 2.0 | 1.8 | 1.8 | 2.0 | 1.9 |
| 1993 | 2.0 | 1.7 | 1.9 | 2.7 | 2.7 | 2.3 | 2.1 | 2.3 | 2.0 | 1.9 | 1.9 | 2.0 |
| 1994 | 1.8 | 1.6 | 1.6 | 1.8 | 2.0 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 |
| 1995 | 1.8 | 1.4 | 1.7 | 3.0 | 2.4 | 3.8 | 2.7 | 3.1 | 2.4 | 2.6 | 2.1 | 2.1 |
| 1996 | 1.8 | 1.5 | 1.8 | 2.0 | 3.1 | 2.6 | 2.2 | 2.3 | 1.7 | 1.8 | 1.8 | 2.0 |
| 1997 | 1.7 | 1.5 | 2.8 | 6.7 | 3.1 | 2.1 | 1.8 | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 |
| 1998 | 2.1 | 2.4 | 2.2 | 2.8 | 4.5 | 3.0 | 2.8 | 2.9 | 2.9 | 2.7 | 2.1 | 2.1 |
| 1999 | 1.6 | 1.6 | 1.6 | 1.8 | 2.4 | 2.2 | 2.1 | 1.8 | 1.6 | 1.6 | 1.7 | 1.8 |
| 2000 | 1.6 | 1.4 | 1.2 | 1.7 | 2.8 | 2.2 | 2.0 | 1.9 | 1.7 | 1.7 | 1.7 | 1.9 |
| 2001 | 1.7 | 1.3 | 1.3 | 1.7 | 1.9 | 2.0 | 1.7 | 1.8 | 1.6 | 1.6 | 1.7 | 1.8 |
| 2002 | 1.6 | 1.6 | 1.7 | 1.9 | 1.7 | 1.8 | 1.8 | 1.7 | 1.5 | 1.6 | 1.7 | 1.8 |
| 2003 | 1.7 | 1.6 | 2.1 | 2.2 | 2.0 | 1.6 | 2.0 | 1.9 | 1.5 | 1.5 | 1.8 | 1.8 |
| | | | | | | | | | | | | |
| Average | 1.8 | 1.7 | 1.9 | 2.3 | 2.5 | 2.4 | 2.1 | 2.0 | 1.8 | 1.8 | 1.9 | 1.9 |
| Critical | 1.8 | 1.6 | 1.7 | 1.8 | 2.0 | 1.9 | 1.8 | 1.7 | 1.6 | 1.7 | 1.9 | 1.9 |
| Dry | 1.7 | 1.5 | 1.6 | 1.8 | 1.8 | 1.9 | 1.8 | 1.8 | 1.6 | 1.6 | 1.8 | 1.8 |
| BN | 1.7 | 1.6 | 1.5 | 1.9 | 2.1 | 2.1 | 2.0 | 1.9 | 1.7 | 1.7 | 1.9 | 1.9 |
| AN | 1.8 | 1.6 | 1.8 | 2.5 | 2.8 | 2.3 | 2.1 | 2.0 | 1.7 | 1.7 | 1.8 | 1.9 |
| Wet | 1.8 | 1.9 | 2.2 | 2.9 | 2.9 | 2.9 | 2.4 | 2.3 | 2.0 | 2.0 | 1.9 | 2.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-5. Old River upstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1970 | 4.1 | 4.1 | 2.1 | 3.7 | 2.6 | 2.4 | 1.9 | 2.4 | 3.9 | 3.7 | 3.6 | 3.8 |
| 1971 | 3.9 | 3.8 | 2.2 | 2.0 | 1.6 | 1.6 | 2.0 | 2.6 | 3.8 | 3.6 | 3.7 | 3.8 |
| 1972 | 3.9 | 3.8 | 1.5 | 1.7 | 2.1 | 1.9 | 2.0 | 2.4 | 3.8 | 3.5 | 3.7 | 3.8 |
| 1973 | 4.0 | 3.9 | 2.2 | 2.6 | 2.9 | 2.3 | 2.0 | 2.6 | 4.0 | 3.7 | 4.0 | 3.9 |
| 1974 | 3.9 | 3.7 | 2.0 | 2.7 | 2.0 | 2.7 | 2.7 | 2.7 | 4.7 | 4.2 | 4.1 | 4.0 |
| 1975 | 4.0 | 3.9 | 1.6 | 1.6 | 2.3 | 2.5 | 2.4 | 2.5 | 5.2 | 4.3 | 4.1 | 3.9 |
| 1976 | 3.9 | 3.9 | 1.4 | 1.6 | 1.9 | 1.7 | 1.9 | 2.3 | 3.7 | 3.6 | 4.1 | 4.0 |
| 1977 | 4.0 | 3.8 | 2.0 | 1.8 | 1.8 | 1.6 | 1.6 | 2.2 | 3.5 | 3.5 | 3.6 | 3.9 |
| 1978 | 3.8 | 3.7 | 1.9 | 2.6 | 2.8 | 2.7 | 3.0 | 3.4 | 5.5 | 4.4 | 4.1 | 4.1 |
| 1979 | 3.8 | 3.8 | 1.5 | 2.2 | 2.3 | 2.3 | 2.3 | 2.9 | 3.7 | 3.6 | 4.0 | 3.9 |
| 1980 | 3.9 | 3.8 | 1.7 | 3.1 | 4.4 | 3.5 | 2.3 | 2.9 | 5.6 | 5.1 | 4.2 | 4.0 |
| 1981 | 4.0 | 3.8 | 1.7 | 2.0 | 1.9 | 2.1 | 2.1 | 2.5 | 3.6 | 3.5 | 3.6 | 3.7 |
| 1982 | 3.8 | 3.7 | 2.1 | 2.4 | 2.8 | 3.1 | 4.8 | 3.3 | 5.0 | 5.4 | 4.7 | 5.3 |
| 1983 | 5.1 | 6.0 | 3.7 | 4.9 | 6.1 | 8.3 | 4.5 | 4.1 | 4.4 | 4.0 | 5.5 | 5.5 |
| 1984 | 4.4 | 6.6 | 4.6 | 3.2 | 2.5 | 2.3 | 2.1 | 2.5 | 4.1 | 3.9 | 4.0 | 4.3 |
| 1985 | 4.1 | 3.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.9 | 2.3 | 3.7 | 3.6 | 3.8 | 3.9 |
| 1986 | 3.9 | 3.7 | 1.6 | 2.0 | 4.2 | 4.4 | 2.7 | 3.3 | 5.4 | 4.1 | 4.2 | 4.3 |
| 1987 | 4.2 | 4.1 | 1.8 | 1.7 | 2.0 | 2.0 | 1.8 | 2.5 | 3.6 | 3.6 | 3.9 | 3.9 |
| 1988 | 3.9 | 3.9 | 1.9 | 1.9 | 2.1 | 1.9 | 2.0 | 2.2 | 3.5 | 3.4 | 3.7 | 3.8 |
| 1989 | 3.7 | 3.6 | 1.4 | 1.4 | 1.6 | 2.1 | 1.9 | 2.2 | 3.5 | 3.3 | 3.6 | 3.8 |
| 1990 | 3.7 | 3.8 | 1.9 | 1.8 | 1.7 | 1.7 | 1.9 | 2.4 | 3.5 | 3.4 | 3.8 | 3.9 |
| 1991 | 3.8 | 3.8 | 1.8 | 1.9 | 2.0 | 2.3 | 1.6 | 2.1 | 3.5 | 3.4 | 3.7 | 3.8 |
| 1992 | 3.9 | 3.8 | 2.0 | 2.0 | 2.7 | 2.5 | 2.1 | 2.4 | 3.6 | 3.5 | 3.7 | 3.8 |
| 1993 | 3.9 | 3.8 | 1.9 | 2.8 | 2.7 | 2.3 | 2.3 | 2.9 | 4.5 | 4.0 | 4.0 | 3.9 |
| 1994 | 3.9 | 3.8 | 1.6 | 1.8 | 2.0 | 1.9 | 1.8 | 2.3 | 3.5 | 3.3 | 3.5 | 3.6 |
| 1995 | 3.8 | 3.7 | 1.7 | 3.0 | 2.4 | 4.1 | 3.0 | 3.7 | 2.6 | 3.0 | 4.6 | 4.0 |
| 1996 | 4.0 | 3.9 | 1.9 | 2.1 | 3.2 | 2.7 | 2.4 | 3.1 | 4.7 | 3.9 | 4.0 | 4.0 |
| 1997 | 3.9 | 3.9 | 3.3 | 8.4 | 3.7 | 2.3 | 2.0 | 2.8 | 4.4 | 3.8 | 4.1 | 4.1 |
| 1998 | 4.1 | 4.2 | 2.2 | 2.8 | 5.1 | 3.2 | 3.2 | 3.3 | 3.2 | 3.1 | 4.8 | 4.5 |
| 1999 | 4.1 | 3.9 | 1.6 | 1.9 | 2.5 | 2.3 | 2.3 | 2.5 | 4.2 | 3.7 | 3.8 | 3.8 |
| 2000 | 3.9 | 3.8 | 1.2 | 1.8 | 3.0 | 2.3 | 2.2 | 2.6 | 4.0 | 3.7 | 3.8 | 4.0 |
| 2001 | 4.0 | 3.7 | 1.3 | 1.7 | 1.9 | 2.0 | 1.8 | 2.4 | 3.6 | 3.6 | 3.8 | 3.9 |
| 2002 | 3.8 | 3.8 | 1.7 | 2.0 | 1.7 | 1.8 | 1.9 | 2.3 | 3.5 | 3.4 | 3.7 | 3.8 |
| 2003 | 3.8 | 3.8 | 2.2 | 2.2 | 2.1 | 1.6 | 2.1 | 2.4 | 3.5 | 3.4 | 3.7 | 3.7 |
| | | | | | | | | | | | | |
| Average | 4.0 | 4.0 | 2.0 | 2.4 | 2.6 | 2.5 | 2.3 | 2.7 | 4.0 | 3.7 | 4.0 | 4.0 |
| Critical | 3.9 | 3.8 | 1.8 | 1.8 | 2.0 | 1.9 | 1.9 | 2.3 | 3.5 | 3.4 | 3.7 | 3.8 |
| Dry | 4.0 | 3.8 | 1.6 | 1.8 | 1.8 | 2.0 | 1.9 | 2.4 | 3.6 | 3.5 | 3.7 | 3.8 |
| BN | 3.8 | 3.8 | 1.5 | 2.0 | 2.2 | 2.1 | 2.2 | 2.7 | 3.8 | 3.5 | 3.8 | 3.8 |
| AN | 3.9 | 3.8 | 1.9 | 2.5 | 3.0 | 2.4 | 2.3 | 2.8 | 4.5 | 4.1 | 4.0 | 3.9 |
| Wet | 4.1 | 4.2 | 2.4 | 3.1 | 3.2 | 3.2 | 2.8 | 3.0 | 4.3 | 3.9 | 4.2 | 4.3 |

Table 2-6. Old River downstream of barrier Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1970 | 1.5 | 1.9 | 2.1 | 3.6 | 2.5 | 2.3 | 1.8 | 1.8 | 1.5 | 1.4 | 1.3 | 1.5 |
| 1971 | 1.5 | 1.7 | 2.1 | 1.9 | 1.6 | 1.6 | 1.9 | 1.9 | 1.4 | 1.3 | 1.4 | 1.7 |
| 1972 | 1.4 | 1.4 | 1.4 | 1.7 | 2.0 | 1.9 | 1.9 | 1.9 | 1.6 | 1.5 | 1.6 | 1.7 |
| 1973 | 1.9 | 1.7 | 2.2 | 2.6 | 2.8 | 2.2 | 2.0 | 2.0 | 1.5 | 1.3 | 1.5 | 1.5 |
| 1974 | 1.4 | 1.4 | 2.0 | 2.6 | 1.9 | 2.6 | 2.7 | 2.1 | 1.7 | 1.4 | 1.5 | 1.8 |
| 1975 | 1.5 | 1.4 | 1.5 | 1.6 | 2.3 | 2.5 | 2.4 | 1.9 | 1.7 | 1.4 | 1.5 | 1.6 |
| 1976 | 1.3 | 1.3 | 1.3 | 1.6 | 1.8 | 1.6 | 1.9 | 1.8 | 1.6 | 1.8 | 2.0 | 1.9 |
| 1977 | 1.8 | 1.6 | 1.9 | 1.7 | 1.8 | 1.5 | 1.5 | 1.7 | 1.5 | 1.6 | 1.5 | 1.9 |
| 1978 | 1.7 | 1.5 | 1.8 | 2.6 | 2.7 | 2.6 | 2.9 | 2.4 | 1.5 | 1.5 | 1.5 | 1.6 |
| 1979 | 1.5 | 1.4 | 1.4 | 2.1 | 2.2 | 2.3 | 2.3 | 2.1 | 1.4 | 1.3 | 1.5 | 1.6 |
| 1980 | 1.5 | 1.4 | 1.7 | 3.0 | 4.2 | 3.3 | 2.3 | 2.1 | 1.7 | 1.6 | 1.7 | 1.7 |
| 1981 | 1.6 | 1.1 | 1.6 | 2.0 | 1.9 | 2.1 | 2.0 | 1.9 | 1.4 | 1.4 | 1.4 | 1.5 |
| 1982 | 1.5 | 1.5 | 2.1 | 2.3 | 2.7 | 3.0 | 4.6 | 3.2 | 2.1 | 1.7 | 1.6 | 2.1 |
| 1983 | 1.9 | 2.5 | 3.5 | 4.6 | 5.9 | 8.0 | 4.3 | 3.9 | 4.2 | 3.8 | 2.3 | 2.5 |
| 1984 | 1.9 | 3.1 | 4.4 | 3.1 | 2.4 | 2.3 | 2.1 | 1.9 | 1.5 | 1.7 | 1.7 | 2.0 |
| 1985 | 1.5 | 1.5 | 1.7 | 1.8 | 1.7 | 1.7 | 1.9 | 1.7 | 1.5 | 1.3 | 1.4 | 1.6 |
| 1986 | 1.5 | 1.2 | 1.5 | 1.9 | 4.1 | 4.2 | 2.6 | 2.2 | 1.6 | 1.5 | 1.5 | 2.0 |
| 1987 | 1.8 | 1.5 | 1.7 | 1.6 | 1.9 | 2.0 | 1.8 | 2.0 | 1.4 | 1.5 | 1.9 | 1.7 |
| 1988 | 1.5 | 1.5 | 1.8 | 1.8 | 2.1 | 1.9 | 1.9 | 1.7 | 1.3 | 1.3 | 1.6 | 1.6 |
| 1989 | 1.4 | 1.1 | 1.3 | 1.4 | 1.6 | 2.0 | 1.8 | 1.7 | 1.4 | 1.3 | 1.7 | 1.7 |
| 1990 | 1.5 | 1.3 | 1.8 | 1.7 | 1.7 | 1.7 | 1.9 | 1.9 | 1.6 | 1.6 | 1.7 | 1.8 |
| 1991 | 1.6 | 1.3 | 1.6 | 1.8 | 1.9 | 2.2 | 1.6 | 1.5 | 1.4 | 1.5 | 1.6 | 1.7 |
| 1992 | 1.7 | 1.4 | 2.0 | 2.0 | 2.7 | 2.4 | 2.1 | 2.0 | 1.6 | 1.6 | 1.8 | 1.8 |
| 1993 | 1.8 | 1.5 | 1.8 | 2.7 | 2.6 | 2.2 | 2.2 | 2.3 | 1.8 | 1.6 | 1.6 | 1.7 |
| 1994 | 1.6 | 1.4 | 1.5 | 1.7 | 2.0 | 1.8 | 1.8 | 1.8 | 1.6 | 1.4 | 1.4 | 1.5 |
| 1995 | 1.7 | 1.3 | 1.6 | 3.0 | 2.4 | 4.0 | 2.9 | 3.5 | 2.5 | 2.9 | 1.8 | 1.8 |
| 1996 | 1.6 | 1.3 | 1.8 | 2.0 | 3.2 | 2.6 | 2.4 | 2.4 | 1.5 | 1.5 | 1.5 | 1.7 |
| 1997 | 1.4 | 1.2 | 3.1 | 8.0 | 3.5 | 2.2 | 1.9 | 2.1 | 1.7 | 1.7 | 1.8 | 1.9 |
| 1998 | 1.9 | 2.3 | 2.1 | 2.8 | 4.9 | 3.1 | 3.1 | 3.2 | 3.1 | 3.0 | 1.9 | 1.9 |
| 1999 | 1.4 | 1.3 | 1.5 | 1.8 | 2.5 | 2.2 | 2.2 | 1.9 | 1.4 | 1.3 | 1.4 | 1.6 |
| 2000 | 1.5 | 1.2 | 1.2 | 1.7 | 2.9 | 2.2 | 2.1 | 2.0 | 1.5 | 1.5 | 1.4 | 1.6 |
| 2001 | 1.5 | 1.0 | 1.3 | 1.7 | 1.9 | 2.0 | 1.8 | 1.9 | 1.4 | 1.4 | 1.5 | 1.7 |
| 2002 | 1.4 | 1.4 | 1.6 | 1.9 | 1.6 | 1.8 | 1.8 | 1.7 | 1.3 | 1.3 | 1.5 | 1.5 |
| 2003 | 1.5 | 1.4 | 2.1 | 2.2 | 2.0 | 1.6 | 2.1 | 1.9 | 1.3 | 1.3 | 1.5 | 1.7 |
| | | | | | | | | | | | | |
| Average | 1.6 | 1.5 | 1.9 | 2.4 | 2.5 | 2.5 | 2.2 | 2.1 | 1.7 | 1.6 | 1.6 | 1.7 |
| Critical | 1.6 | 1.4 | 1.7 | 1.8 | 2.0 | 1.9 | 1.8 | 1.8 | 1.5 | 1.5 | 1.7 | 1.8 |
| Dry | 1.5 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 1.8 | 1.8 | 1.4 | 1.4 | 1.6 | 1.6 |
| BN | 1.5 | 1.4 | 1.4 | 1.9 | 2.1 | 2.1 | 2.1 | 2.0 | 1.5 | 1.4 | 1.5 | 1.6 |
| AN | 1.6 | 1.4 | 1.8 | 2.5 | 2.9 | 2.4 | 2.3 | 2.1 | 1.6 | 1.5 | 1.5 | 1.6 |
| Wet | 1.6 | 1.7 | 2.3 | 3.0 | 3.1 | 3.1 | 2.7 | 2.5 | 2.0 | 1.9 | 1.6 | 1.9 |

Long-Term Water Transfers
 Final EIS/EIR

Table 2-7. Grant Line upstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-8. Grant Line upstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -2.1 | -0.7 |
| 1977 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -1.5 | -1.0 | -0.8 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -1.6 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -2.4 | -2.3 | -0.8 |
| 1988 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -3.2 | -2.2 | -0.4 |
| 1989 | -0.1 | 0.1 | -0.1 | 0.2 | 0.2 | -0.2 | -0.1 | 0.3 | 0.1 | 0.0 | -0.9 | -0.7 |
| 1990 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -2.5 | -1.1 | -0.5 |
| 1991 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -2.1 | -0.9 | -0.3 |
| 1992 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -4.2 | -2.0 | -0.6 |
| 1993 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.3 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.9 | -1.2 |
| 1995 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.0 | -1.5 | -0.5 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.7 | -0.6 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -2.1 | -1.9 | -0.7 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.1 | -1.1 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-9. Grant Line downstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-10. Grant Line downstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.3 | -6.6 | -2.6 |
| 1977 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -7.9 | -1.2 | -1.8 |
| 1978 | -0.1 | 0.2 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -7.6 | -0.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | -3.5 | -7.4 | -2.2 |
| 1988 | 0.0 | 0.2 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.1 | -8.3 | -3.8 | -2.0 |
| 1989 | 0.0 | 0.3 | -0.1 | 0.2 | 0.2 | -0.2 | -0.1 | 0.3 | 0.3 | -0.1 | -5.1 | -0.2 |
| 1990 | 0.1 | 0.2 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -7.5 | -2.9 | -1.8 |
| 1991 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.2 | -6.6 | -2.2 | -1.3 |
| 1992 | 0.1 | 0.2 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.2 | -5.3 | -4.2 | -1.5 |
| 1993 | -0.2 | 0.2 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.5 | -2.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -4.3 | -4.1 |
| 1995 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -4.6 | -5.5 | -2.2 |
| 2002 | 0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -9.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -1.8 | -1.5 | -0.6 |
| Critical | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -5.9 | -3.6 | -2.2 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.4 | -4.3 | -0.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.1 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -1.9 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-11. Middle River upstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-12. Middle River upstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -1.0 | -0.4 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -1.3 | -0.5 | -0.4 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.5 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.5 | -1.3 | -0.3 |
| 1988 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -4.1 | -0.6 | -0.2 |
| 1989 | -0.1 | 0.0 | -0.1 | 0.3 | 0.2 | -0.3 | -0.2 | 0.2 | 0.0 | -0.1 | -0.6 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -2.6 | -0.5 | -0.2 |
| 1991 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -2.0 | -0.4 | -0.2 |
| 1992 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | -3.6 | -0.9 | -0.3 |
| 1993 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.2 | -1.2 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.4 | -0.7 |
| 1995 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.7 | -0.2 |
| 2002 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.6 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -0.9 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.6 | -0.6 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 | -0.1 | 0.0 | -0.2 | -0.4 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-13. Middle River downstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-14. Middle River downstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -4.9 | -1.9 |
| 1977 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -5.6 | -0.7 | -1.3 |
| 1978 | 0.0 | 0.1 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -4.3 | -0.2 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -1.8 | -6.0 | -1.6 |
| 1988 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | -5.3 | -3.1 | -1.6 |
| 1989 | 0.1 | 0.2 | -0.1 | 0.3 | 0.2 | -0.3 | -0.2 | 0.3 | 0.2 | -0.1 | -1.6 | -0.2 |
| 1990 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -5.0 | -2.1 | -1.4 |
| 1991 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | -4.3 | -1.9 | -1.1 |
| 1992 | 0.1 | 0.2 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -2.5 | -2.6 | -1.2 |
| 1993 | -0.1 | 0.1 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -2.0 | -2.3 |
| 1995 | 0.2 | 0.1 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.4 | -3.8 | -1.7 |
| 2002 | 0.2 | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -2.6 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -0.4 |
| Critical | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -3.6 | -2.5 | -1.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.7 | -2.6 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 | -0.1 | -0.1 | -0.2 | -0.5 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
 Final EIS/EIR

Table 2-15. Old River upstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-16. Old River upstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.5 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -2.7 | -1.0 |
| 1977 | -0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | -2.1 | -1.2 | -0.9 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -1.6 | -1.6 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.2 | -1.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | -2.5 | -2.6 | -1.1 |
| 1988 | -0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -3.7 | -2.3 | -0.7 |
| 1989 | -0.1 | 0.1 | -0.1 | 0.4 | 0.3 | -0.3 | -0.2 | 0.3 | 0.1 | 0.0 | -1.3 | -0.7 |
| 1990 | 0.1 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.3 | -1.3 | -0.6 |
| 1991 | 0.0 | 0.1 | 0.2 | 0.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | -2.8 | -1.2 | -0.7 |
| 1992 | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -4.1 | -2.1 | -0.8 |
| 1993 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.5 | -3.7 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | -1.3 |
| 1995 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | -1.5 | -0.6 |
| 2002 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.6 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.7 | -0.7 | -0.3 |
| Critical | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -2.5 | -2.1 | -0.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | -1.0 | -1.2 | -0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.5 | -0.2 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-17. Old River downstream of barrier stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-18. Old River downstream of barrier stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.3 | -8.4 | -3.0 |
| 1977 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | -9.7 | -1.0 | -1.7 |
| 1978 | 0.0 | 0.2 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -13.7 | -0.1 |
| 1982 | 0.1 | 0.0 | -0.2 | -0.2 | -1.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | -4.5 | -11.2 | -3.1 |
| 1988 | 0.4 | 0.3 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | 0.3 | 0.1 | -12.6 | -5.1 | -2.7 |
| 1989 | 0.3 | 0.5 | -0.1 | 0.5 | 0.3 | -0.3 | -0.2 | 0.5 | 0.4 | -0.1 | -6.6 | -0.2 |
| 1990 | 0.2 | 0.3 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -11.2 | -4.2 | -2.4 |
| 1991 | 0.3 | 0.4 | 0.3 | 0.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.3 | -10.3 | -3.7 | -2.0 |
| 1992 | 0.3 | 0.3 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.4 | 0.3 | -5.6 | -5.6 | -1.8 |
| 1993 | -0.1 | 0.3 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.3 | -1.4 | -0.8 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -3.3 | -5.0 |
| 1995 | 0.3 | 0.3 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -5.3 | -7.9 | -3.0 |
| 2002 | 0.6 | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -10.8 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -2.3 | -2.1 | -0.7 |
| Critical | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -8.1 | -4.5 | -2.7 |
| Dry | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.2 | -1.6 | -6.6 | -1.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.0 | -0.1 | -0.5 | -0.5 | -0.2 | -0.1 | -0.3 | -1.9 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-19. Grant Line upstream of barrier stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-20. Grant Line upstream of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.7 | -0.3 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.6 | -0.5 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.2 | -1.3 | -1.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -0.4 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.6 | -0.3 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.6 | -0.3 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -0.5 | -0.2 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.8 | -0.5 | -0.4 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.4 | -3.3 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.4 | -0.8 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | -0.5 | -0.3 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.3 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.8 | -0.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.5 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-21. Grant Line downstream of barrier stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-22. Grant Line downstream of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.3 | -3.2 | -1.1 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.3 | -0.8 | -1.2 |
| 1978 | -0.2 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.4 | -4.5 | -0.5 |
| 1982 | -0.3 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -4.0 | -1.1 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.9 | -2.0 | -1.2 |
| 1989 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -2.3 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -4.9 | -1.6 | -1.1 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.4 | -1.4 | -0.9 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -2.2 | -1.5 | -0.9 |
| 1993 | -0.2 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.4 | -3.5 | -2.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -2.9 | -2.1 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.3 | -2.0 | -1.3 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.5 | -0.8 | -0.2 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -1.1 | -0.8 | -0.3 |
| Critical | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | -1.9 | -1.2 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -2.1 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -1.1 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-23. Middle River upstream of barrier stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-24. Middle River upstream of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.3 | -0.2 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.3 | -0.2 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | -0.7 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.6 | -0.2 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | -0.3 | -0.1 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.3 | -0.1 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -0.3 | -0.1 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | -0.1 |
| 1993 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.2 | -1.2 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -1.4 | -0.5 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.2 | -0.1 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.4 | -0.2 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-25. Middle River downstream of barrier stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-26. Middle River downstream of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -2.3 | -0.9 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.6 | -0.5 | -0.8 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -3.4 | -0.7 |
| 1982 | -0.4 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -3.2 | -0.9 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.1 | -1.7 | -1.0 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.7 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -3.5 | -1.3 | -0.8 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.1 | -1.2 | -0.7 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.8 | -1.1 | -0.7 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -1.0 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -1.6 | -1.2 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -1.6 | -1.7 | -1.0 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.6 | -0.2 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.6 | -0.3 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -1.4 | -0.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.5 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-27. Old River upstream of barrier stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-28. Old River upstream of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.1 | -0.5 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | -0.7 | -0.5 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 2.3 | -1.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.2 | -1.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -1.5 | -0.7 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.0 | -0.9 | -0.5 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.4 | -0.3 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -0.9 | -0.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.0 | -0.9 | -0.4 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.9 | -0.8 | -0.5 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.4 | -3.7 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.9 | -0.8 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.8 | -0.8 | -0.5 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.2 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -1.2 | -0.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.3 | -0.6 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -0.3 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-29. Old River downstream of barrier stage (ft) difference No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-30. Old River downstream of barriers stage (ft) of barrier stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.2 | -4.0 | -1.4 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.1 | -0.7 | -1.1 |
| 1978 | -0.2 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | -8.8 | -0.6 |
| 1982 | -0.5 | 0.0 | -0.2 | -0.2 | -1.4 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.4 | -5.5 | -1.7 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -9.2 | -2.5 | -1.6 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -2.5 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -7.6 | -2.4 | -1.3 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.7 | -2.2 | -1.2 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -3.8 | -2.2 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.2 | -1.3 | -0.8 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -2.4 | -2.3 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -3.9 | -3.0 | -1.6 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.9 | -1.1 | -0.3 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -1.6 | -1.1 | -0.4 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.9 | -2.3 | -1.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -3.3 | -0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.9 | -0.2 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
 Final EIS/EIR

Table 2-31. Grant Line upstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-32. Grant Line upstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.9 | -0.3 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.8 | -0.4 | -0.4 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -1.5 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.7 | -1.5 | -0.5 |
| 1988 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -1.9 | -0.9 | -0.2 |
| 1989 | 0.0 | 0.1 | -0.1 | 0.2 | 0.2 | -0.2 | -0.1 | 0.3 | 0.1 | 0.0 | -0.9 | -0.7 |
| 1990 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -1.5 | -0.6 | -0.2 |
| 1991 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -1.0 | -0.4 | -0.1 |
| 1992 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -2.5 | -1.3 | -0.4 |
| 1993 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.3 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -0.8 |
| 1995 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.4 | -1.0 | -0.3 |
| 2002 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.5 | -0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.3 | -1.0 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.9 | -0.8 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-33. Grant Line downstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-34. Grant Line downstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.5 | -4.0 | -1.4 |
| 1977 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -4.5 | -0.6 | -0.9 |
| 1978 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -7.3 | -0.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.3 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | -3.0 | -5.1 | -1.4 |
| 1988 | 0.1 | 0.2 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.1 | -7.7 | -2.0 | -1.2 |
| 1989 | 0.1 | 0.3 | -0.1 | 0.2 | 0.2 | -0.2 | -0.1 | 0.3 | 0.3 | -0.1 | -5.1 | -0.2 |
| 1990 | 0.1 | 0.2 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -5.1 | -1.6 | -1.0 |
| 1991 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.2 | -3.7 | -1.1 | -0.6 |
| 1992 | 0.2 | 0.2 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.2 | -3.8 | -2.6 | -0.9 |
| 1993 | -0.1 | 0.2 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.5 | -2.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -2.4 |
| 1995 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -4.1 | -3.0 | -1.4 |
| 2002 | 0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -9.2 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -1.4 | -1.0 | -0.3 |
| Critical | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -4.3 | -2.1 | -1.2 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -1.2 | -3.4 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -1.9 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-35. Middle River upstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-36. Middle River upstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.4 | -0.2 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.7 | -0.2 | -0.2 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.4 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.1 | -0.9 | -0.2 |
| 1988 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -2.1 | -0.3 | -0.1 |
| 1989 | 0.0 | 0.0 | -0.1 | 0.3 | 0.2 | -0.3 | -0.2 | 0.2 | 0.0 | -0.1 | -0.6 | -0.1 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -1.4 | -0.3 | -0.1 |
| 1991 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -1.1 | -0.2 | -0.1 |
| 1992 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | -2.3 | -0.5 | -0.2 |
| 1993 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.2 | -1.2 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.4 |
| 1995 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -0.4 | -0.1 |
| 2002 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.4 | -0.2 | -0.1 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -0.5 | -0.2 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.5 | -0.4 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 | -0.1 | 0.0 | -0.2 | -0.4 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-37. Middle River downstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-38. Middle River downstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -2.9 | -1.0 |
| 1977 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -3.0 | -0.3 | -0.6 |
| 1978 | 0.1 | 0.1 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -4.2 | -0.2 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.1 | -1.1 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | -1.5 | -4.1 | -1.0 |
| 1988 | 0.1 | 0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | -5.1 | -1.7 | -1.0 |
| 1989 | 0.1 | 0.2 | -0.1 | 0.3 | 0.2 | -0.3 | -0.2 | 0.3 | 0.2 | -0.1 | -1.6 | -0.2 |
| 1990 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.7 | -1.3 | -0.9 |
| 1991 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.2 | -2.6 | -1.0 | -0.5 |
| 1992 | 0.1 | 0.2 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -1.9 | -1.8 | -0.7 |
| 1993 | 0.0 | 0.1 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.2 | -1.0 | -0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -1.3 |
| 1995 | 0.2 | 0.1 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.1 | -2.1 | -1.0 |
| 2002 | 0.2 | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -2.6 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.7 | -0.7 | -0.3 |
| Critical | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -2.6 | -1.5 | -0.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 | -0.6 | -2.0 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.4 | -0.1 | -0.1 | -0.2 | -0.5 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-39. Old River upstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-40. Old River upstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.5 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.3 | -0.5 |
| 1977 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | -1.3 | -0.5 | -0.4 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -1.6 | -1.6 |
| 1982 | 0.0 | 0.0 | -0.2 | -0.2 | -1.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | -1.9 | -1.9 | -0.6 |
| 1988 | 0.0 | 0.1 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -2.4 | -0.9 | -0.5 |
| 1989 | 0.0 | 0.1 | -0.1 | 0.4 | 0.3 | -0.3 | -0.2 | 0.3 | 0.1 | 0.0 | -1.3 | -0.7 |
| 1990 | 0.1 | 0.1 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -2.2 | -0.8 | -0.4 |
| 1991 | 0.1 | 0.1 | 0.2 | 0.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | -1.7 | -0.6 | -0.4 |
| 1992 | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -2.5 | -1.3 | -0.5 |
| 1993 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.5 | -3.7 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.8 | -0.8 |
| 1995 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -1.0 | -0.3 |
| 2002 | 0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.6 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 | -0.5 | -0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.6 | -1.2 | -0.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | -0.8 | -1.0 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | -0.5 | -0.2 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-41. Old River downstream of barrier stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-42. Old River downstream of barrier stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|------|------|------|------|------|------|------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -1.4 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.6 | -5.1 | -1.7 |
| 1977 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | -5.3 | -0.5 | -0.8 |
| 1978 | 0.2 | 0.2 | 0.0 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -13.4 | -0.1 |
| 1982 | 0.1 | 0.0 | -0.2 | -0.2 | -1.5 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | -4.0 | -7.2 | -1.9 |
| 1988 | 0.4 | 0.3 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | 0.3 | 0.1 | -12.5 | -2.6 | -1.6 |
| 1989 | 0.4 | 0.5 | -0.1 | 0.5 | 0.3 | -0.3 | -0.2 | 0.5 | 0.4 | -0.1 | -6.6 | -0.2 |
| 1990 | 0.2 | 0.3 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -7.9 | -2.4 | -1.4 |
| 1991 | 0.3 | 0.4 | 0.3 | 0.3 | 0.0 | -0.1 | -0.1 | 0.0 | 0.3 | -5.6 | -1.9 | -0.9 |
| 1992 | 0.3 | 0.3 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.4 | 0.3 | -4.4 | -3.6 | -0.9 |
| 1993 | 0.0 | 0.3 | -0.1 | -0.2 | -0.2 | -0.3 | -0.1 | -0.3 | -1.4 | -0.8 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.2 | -2.9 |
| 1995 | 0.3 | 0.3 | -0.1 | -0.2 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| 1998 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -4.8 | -3.7 | -1.9 |
| 2002 | 0.6 | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 |
| 2003 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -10.8 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.1 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -1.9 | -1.4 | -0.4 |
| Critical | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | -6.2 | -2.6 | -1.5 |
| Dry | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.2 | -1.5 | -5.2 | -0.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.1 | 0.0 | -0.1 | -0.5 | -0.5 | -0.2 | -0.1 | -0.3 | -1.9 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-43. Old River near Middle River location Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|-----|-----|
| 1970 | 4.2 | 4.2 | 3.4 | 8.5 | 5.4 | 5.4 | 3.8 | 3.3 | 4.0 | 3.8 | 3.8 | 3.9 |
| 1971 | 4.0 | 3.9 | 3.1 | 3.0 | 2.8 | 3.9 | 3.9 | 3.5 | 4.0 | 3.7 | 3.8 | 3.9 |
| 1972 | 4.0 | 3.9 | 2.4 | 2.5 | 2.9 | 2.8 | 3.2 | 3.1 | 3.9 | 3.7 | 3.8 | 3.9 |
| 1973 | 4.1 | 3.9 | 3.1 | 3.4 | 4.4 | 5.2 | 4.6 | 4.1 | 4.2 | 3.9 | 4.1 | 4.0 |
| 1974 | 4.0 | 3.8 | 3.3 | 4.7 | 3.5 | 5.6 | 5.5 | 4.0 | 5.2 | 4.4 | 4.2 | 4.2 |
| 1975 | 4.1 | 4.0 | 2.6 | 2.6 | 4.3 | 5.8 | 4.9 | 3.3 | 6.1 | 4.5 | 4.3 | 4.0 |
| 1976 | 4.0 | 4.0 | 2.3 | 2.6 | 2.8 | 2.6 | 3.0 | 2.9 | 3.8 | 3.7 | 4.1 | 4.1 |
| 1977 | 4.0 | 3.9 | 2.7 | 2.6 | 2.5 | 2.1 | 2.1 | 2.5 | 3.5 | 3.6 | 3.7 | 3.9 |
| 1978 | 3.8 | 3.7 | 2.6 | 3.6 | 4.9 | 5.3 | 7.0 | 6.4 | 6.8 | 4.7 | 4.3 | 4.2 |
| 1979 | 3.9 | 3.9 | 2.4 | 3.6 | 4.7 | 5.7 | 5.0 | 5.1 | 3.9 | 3.7 | 4.1 | 3.9 |
| 1980 | 4.0 | 3.9 | 2.6 | 7.1 | 9.7 | 8.6 | 4.9 | 4.7 | 7.1 | 5.9 | 4.4 | 4.2 |
| 1981 | 4.1 | 3.9 | 2.5 | 2.9 | 2.9 | 3.6 | 3.6 | 3.2 | 3.7 | 3.7 | 3.8 | 3.8 |
| 1982 | 3.9 | 3.8 | 3.0 | 3.6 | 6.9 | 8.1 | 11.8 | 8.9 | 7.4 | 6.4 | 5.0 | 6.0 |
| 1983 | 5.8 | 7.5 | 9.7 | 11.9 | 13.3 | 16.8 | 11.0 | 10.6 | 11.8 | 10.8 | 6.8 | 6.4 |
| 1984 | 4.6 | 9.2 | 10.7 | 7.9 | 6.0 | 5.2 | 4.6 | 3.6 | 4.3 | 4.1 | 4.2 | 4.5 |
| 1985 | 4.3 | 4.0 | 2.6 | 2.8 | 2.9 | 3.3 | 3.6 | 3.1 | 3.8 | 3.7 | 3.9 | 4.0 |
| 1986 | 3.9 | 3.8 | 2.6 | 2.8 | 9.4 | 11.4 | 6.8 | 6.2 | 6.6 | 4.3 | 4.3 | 4.5 |
| 1987 | 4.3 | 4.2 | 2.7 | 2.6 | 2.9 | 3.1 | 2.8 | 3.0 | 3.7 | 3.7 | 4.0 | 4.0 |
| 1988 | 4.0 | 3.9 | 2.7 | 2.6 | 2.8 | 2.6 | 2.7 | 2.6 | 3.5 | 3.5 | 3.7 | 3.9 |
| 1989 | 3.8 | 3.7 | 2.2 | 2.2 | 2.5 | 2.9 | 2.7 | 2.5 | 3.6 | 3.4 | 3.7 | 3.9 |
| 1990 | 3.7 | 3.8 | 2.6 | 2.5 | 2.5 | 2.4 | 2.5 | 2.7 | 3.6 | 3.5 | 3.8 | 3.9 |
| 1991 | 3.9 | 3.8 | 2.5 | 2.5 | 2.7 | 3.2 | 2.5 | 2.4 | 3.5 | 3.5 | 3.7 | 3.8 |
| 1992 | 3.9 | 3.8 | 2.7 | 2.7 | 3.6 | 3.3 | 2.7 | 2.7 | 3.6 | 3.6 | 3.7 | 3.8 |
| 1993 | 3.9 | 3.8 | 2.6 | 4.2 | 4.0 | 3.6 | 3.4 | 3.6 | 4.8 | 4.2 | 4.1 | 4.1 |
| 1994 | 4.0 | 3.9 | 2.4 | 2.5 | 2.8 | 2.6 | 2.5 | 2.7 | 3.6 | 3.4 | 3.6 | 3.7 |
| 1995 | 3.9 | 3.7 | 2.5 | 4.2 | 3.4 | 9.0 | 7.3 | 9.7 | 7.8 | 9.2 | 5.1 | 4.2 |
| 1996 | 4.1 | 3.9 | 2.8 | 3.1 | 6.8 | 6.4 | 5.2 | 4.9 | 5.2 | 4.1 | 4.1 | 4.1 |
| 1997 | 4.0 | 4.0 | 9.3 | 18.5 | 10.6 | 6.2 | 3.9 | 4.4 | 4.7 | 3.9 | 4.2 | 4.2 |
| 1998 | 4.2 | 4.2 | 3.0 | 4.3 | 10.7 | 8.0 | 8.1 | 8.3 | 9.1 | 9.4 | 5.3 | 4.9 |
| 1999 | 4.3 | 4.0 | 2.8 | 3.8 | 6.4 | 4.9 | 4.6 | 3.6 | 4.4 | 3.8 | 3.9 | 4.0 |
| 2000 | 3.9 | 3.8 | 2.0 | 2.7 | 6.6 | 5.7 | 4.6 | 3.9 | 4.1 | 3.8 | 3.9 | 4.1 |
| 2001 | 4.1 | 3.8 | 2.3 | 2.7 | 2.9 | 3.4 | 3.5 | 3.1 | 3.7 | 3.7 | 3.8 | 4.0 |
| 2002 | 3.9 | 3.8 | 2.6 | 3.0 | 2.5 | 2.8 | 2.8 | 2.8 | 3.6 | 3.5 | 3.8 | 3.9 |
| 2003 | 3.9 | 3.8 | 3.0 | 2.9 | 2.8 | 2.6 | 3.4 | 3.0 | 3.6 | 3.5 | 3.8 | 3.8 |
| | | | | | | | | | | | | |
| Average | 4.1 | 4.2 | 3.3 | 4.2 | 4.9 | 5.1 | 4.5 | 4.2 | 4.9 | 4.5 | 4.1 | 4.2 |
| Critical | 3.9 | 3.9 | 2.5 | 2.6 | 2.8 | 2.7 | 2.6 | 2.6 | 3.6 | 3.5 | 3.8 | 3.9 |
| Dry | 4.1 | 3.9 | 2.5 | 2.7 | 2.8 | 3.2 | 3.2 | 2.9 | 3.7 | 3.6 | 3.8 | 3.9 |
| BN | 3.9 | 3.9 | 2.4 | 3.1 | 3.8 | 4.3 | 4.1 | 4.1 | 3.9 | 3.7 | 4.0 | 3.9 |
| AN | 3.9 | 3.8 | 2.6 | 4.0 | 5.4 | 5.2 | 4.6 | 4.3 | 5.1 | 4.3 | 4.1 | 4.1 |
| Wet | 4.2 | 4.6 | 4.5 | 6.1 | 6.9 | 7.4 | 6.3 | 5.7 | 6.2 | 5.6 | 4.5 | 4.5 |

Table 2-44. Old River near Tracy location Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|
| 1970 | 4.1 | 4.2 | 2.6 | 5.0 | 3.4 | 3.2 | 2.4 | 2.5 | 3.9 | 3.7 | 3.7 | 3.8 |
| 1971 | 3.9 | 3.8 | 2.6 | 2.3 | 2.0 | 2.3 | 2.5 | 2.7 | 3.8 | 3.6 | 3.7 | 3.8 |
| 1972 | 3.9 | 3.8 | 1.8 | 2.1 | 2.4 | 2.2 | 2.3 | 2.5 | 3.8 | 3.6 | 3.7 | 3.8 |
| 1973 | 4.0 | 3.9 | 2.5 | 2.9 | 3.4 | 3.1 | 2.7 | 2.9 | 4.0 | 3.7 | 4.0 | 3.9 |
| 1974 | 3.9 | 3.7 | 2.4 | 3.3 | 2.4 | 3.4 | 3.5 | 2.9 | 4.8 | 4.2 | 4.1 | 4.0 |
| 1975 | 4.0 | 3.9 | 1.9 | 2.0 | 2.9 | 3.4 | 3.1 | 2.6 | 5.3 | 4.3 | 4.1 | 3.9 |
| 1976 | 3.9 | 3.9 | 1.7 | 2.0 | 2.2 | 2.0 | 2.3 | 2.4 | 3.7 | 3.6 | 4.1 | 4.1 |
| 1977 | 4.0 | 3.8 | 2.3 | 2.1 | 2.1 | 1.8 | 1.8 | 2.2 | 3.5 | 3.5 | 3.6 | 3.9 |
| 1978 | 3.8 | 3.7 | 2.2 | 3.0 | 3.4 | 3.4 | 4.1 | 4.0 | 5.6 | 4.5 | 4.1 | 4.1 |
| 1979 | 3.8 | 3.9 | 1.8 | 2.6 | 3.0 | 3.3 | 3.1 | 3.3 | 3.8 | 3.6 | 4.0 | 3.9 |
| 1980 | 3.9 | 3.8 | 2.0 | 4.2 | 6.0 | 4.9 | 3.0 | 3.2 | 5.8 | 5.2 | 4.3 | 4.0 |
| 1981 | 4.0 | 3.8 | 1.9 | 2.4 | 2.3 | 2.6 | 2.5 | 2.6 | 3.6 | 3.6 | 3.7 | 3.7 |
| 1982 | 3.8 | 3.7 | 2.4 | 2.8 | 3.9 | 4.5 | 7.4 | 4.9 | 5.5 | 5.4 | 4.7 | 5.4 |
| 1983 | 5.2 | 6.2 | 5.6 | 7.5 | 8.8 | 11.6 | 6.8 | 6.3 | 7.2 | 6.4 | 5.7 | 5.6 |
| 1984 | 4.4 | 7.1 | 6.6 | 4.5 | 3.5 | 3.1 | 2.8 | 2.7 | 4.2 | 3.9 | 4.1 | 4.3 |
| 1985 | 4.1 | 3.9 | 2.0 | 2.2 | 2.1 | 2.2 | 2.4 | 2.4 | 3.7 | 3.6 | 3.8 | 3.9 |
| 1986 | 3.9 | 3.7 | 2.0 | 2.3 | 5.8 | 6.9 | 3.8 | 3.8 | 5.5 | 4.2 | 4.2 | 4.3 |
| 1987 | 4.2 | 4.1 | 2.2 | 2.0 | 2.3 | 2.4 | 2.1 | 2.6 | 3.7 | 3.6 | 4.0 | 3.9 |
| 1988 | 3.9 | 3.9 | 2.2 | 2.2 | 2.4 | 2.2 | 2.2 | 2.2 | 3.4 | 3.4 | 3.7 | 3.8 |
| 1989 | 3.7 | 3.6 | 1.8 | 1.7 | 2.0 | 2.3 | 2.1 | 2.3 | 3.5 | 3.3 | 3.7 | 3.9 |
| 1990 | 3.7 | 3.8 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 | 2.5 | 3.5 | 3.5 | 3.8 | 3.9 |
| 1991 | 3.8 | 3.8 | 2.1 | 2.2 | 2.2 | 2.6 | 1.9 | 2.1 | 3.5 | 3.4 | 3.7 | 3.8 |
| 1992 | 3.9 | 3.8 | 2.3 | 2.3 | 3.0 | 2.7 | 2.3 | 2.5 | 3.5 | 3.5 | 3.7 | 3.8 |
| 1993 | 3.9 | 3.8 | 2.2 | 3.2 | 3.1 | 2.7 | 2.6 | 3.0 | 4.5 | 4.1 | 4.0 | 4.0 |
| 1994 | 3.9 | 3.8 | 1.8 | 2.1 | 2.2 | 2.1 | 2.1 | 2.4 | 3.5 | 3.3 | 3.5 | 3.6 |
| 1995 | 3.8 | 3.7 | 2.1 | 3.4 | 2.8 | 5.5 | 4.1 | 5.6 | 4.0 | 5.0 | 4.7 | 4.1 |
| 1996 | 4.0 | 3.9 | 2.2 | 2.5 | 4.2 | 3.7 | 3.2 | 3.4 | 4.7 | 4.0 | 4.0 | 4.0 |
| 1997 | 4.0 | 3.9 | 5.2 | 12.6 | 6.2 | 3.3 | 2.5 | 3.1 | 4.4 | 3.8 | 4.1 | 4.1 |
| 1998 | 4.1 | 4.2 | 2.4 | 3.3 | 7.0 | 4.5 | 4.5 | 4.7 | 5.0 | 5.1 | 4.8 | 4.6 |
| 1999 | 4.1 | 3.9 | 2.0 | 2.5 | 3.6 | 3.0 | 2.9 | 2.7 | 4.2 | 3.7 | 3.8 | 3.9 |
| 2000 | 3.9 | 3.8 | 1.5 | 2.1 | 4.0 | 3.2 | 2.8 | 2.8 | 4.0 | 3.7 | 3.8 | 4.0 |
| 2001 | 4.0 | 3.7 | 1.6 | 2.1 | 2.3 | 2.5 | 2.3 | 2.5 | 3.6 | 3.6 | 3.8 | 3.9 |
| 2002 | 3.8 | 3.8 | 2.1 | 2.3 | 2.0 | 2.2 | 2.2 | 2.4 | 3.5 | 3.4 | 3.7 | 3.8 |
| 2003 | 3.8 | 3.8 | 2.5 | 2.5 | 2.4 | 2.0 | 2.5 | 2.5 | 3.5 | 3.4 | 3.7 | 3.7 |
| | | | | | | | | | | | | |
| Average | 4.0 | 4.0 | 2.4 | 3.1 | 3.3 | 3.3 | 3.0 | 3.0 | 4.2 | 4.0 | 4.0 | 4.0 |
| Critical | 3.9 | 3.8 | 2.1 | 2.1 | 2.3 | 2.2 | 2.1 | 2.3 | 3.5 | 3.5 | 3.7 | 3.8 |
| Dry | 4.0 | 3.8 | 1.9 | 2.1 | 2.2 | 2.4 | 2.3 | 2.5 | 3.6 | 3.5 | 3.8 | 3.8 |
| BN | 3.8 | 3.8 | 1.8 | 2.4 | 2.7 | 2.7 | 2.7 | 2.9 | 3.8 | 3.6 | 3.9 | 3.8 |
| AN | 3.9 | 3.8 | 2.2 | 3.0 | 3.7 | 3.2 | 3.0 | 3.1 | 4.6 | 4.1 | 4.0 | 4.0 |
| Wet | 4.1 | 4.3 | 3.1 | 4.2 | 4.3 | 4.5 | 3.8 | 3.7 | 4.8 | 4.4 | 4.3 | 4.3 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-45. Middle River downstream of Old River location Base stage (ft).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|------|------|------|------|-----|------|-----|-----|-----|
| 1970 | 3.9 | 3.9 | 3.1 | 7.6 | 4.8 | 4.7 | 3.3 | 2.9 | 3.7 | 3.5 | 3.6 | 3.7 |
| 1971 | 3.7 | 3.7 | 2.9 | 2.8 | 2.5 | 3.4 | 3.5 | 3.2 | 3.6 | 3.4 | 3.6 | 3.7 |
| 1972 | 3.7 | 3.7 | 2.3 | 2.4 | 2.7 | 2.5 | 2.9 | 2.8 | 3.6 | 3.4 | 3.6 | 3.7 |
| 1973 | 3.8 | 3.7 | 2.9 | 3.3 | 4.1 | 4.6 | 4.0 | 3.6 | 3.8 | 3.6 | 3.8 | 3.7 |
| 1974 | 3.8 | 3.6 | 3.0 | 4.3 | 3.1 | 4.9 | 4.9 | 3.5 | 4.6 | 4.0 | 3.9 | 3.9 |
| 1975 | 3.8 | 3.8 | 2.4 | 2.4 | 3.8 | 5.1 | 4.3 | 3.0 | 5.3 | 4.0 | 3.9 | 3.8 |
| 1976 | 3.8 | 3.7 | 2.1 | 2.4 | 2.6 | 2.3 | 2.7 | 2.6 | 3.5 | 3.5 | 3.9 | 3.9 |
| 1977 | 3.8 | 3.7 | 2.6 | 2.5 | 2.3 | 2.0 | 2.0 | 2.4 | 3.3 | 3.4 | 3.5 | 3.7 |
| 1978 | 3.6 | 3.6 | 2.5 | 3.4 | 4.4 | 4.8 | 6.2 | 5.6 | 6.0 | 4.2 | 3.9 | 3.9 |
| 1979 | 3.7 | 3.7 | 2.3 | 3.3 | 4.2 | 5.0 | 4.4 | 4.4 | 3.6 | 3.4 | 3.8 | 3.7 |
| 1980 | 3.8 | 3.7 | 2.4 | 6.3 | 8.7 | 7.7 | 4.3 | 4.1 | 6.3 | 5.2 | 4.1 | 3.9 |
| 1981 | 3.8 | 3.6 | 2.4 | 2.8 | 2.7 | 3.3 | 3.2 | 2.9 | 3.4 | 3.4 | 3.6 | 3.6 |
| 1982 | 3.7 | 3.6 | 2.8 | 3.4 | 6.1 | 7.2 | 10.7 | 7.8 | 6.5 | 5.6 | 4.5 | 5.4 |
| 1983 | 5.2 | 6.7 | 8.6 | 10.7 | 12.1 | 15.3 | 9.9 | 9.5 | 10.6 | 9.7 | 6.0 | 5.7 |
| 1984 | 4.2 | 8.3 | 9.6 | 7.0 | 5.3 | 4.6 | 4.0 | 3.2 | 3.9 | 3.7 | 3.9 | 4.1 |
| 1985 | 4.0 | 3.8 | 2.4 | 2.6 | 2.7 | 3.0 | 3.2 | 2.7 | 3.5 | 3.4 | 3.7 | 3.7 |
| 1986 | 3.7 | 3.6 | 2.4 | 2.6 | 8.4 | 10.2 | 6.0 | 5.4 | 5.8 | 3.9 | 4.0 | 4.1 |
| 1987 | 4.0 | 3.9 | 2.6 | 2.4 | 2.7 | 2.9 | 2.5 | 2.8 | 3.5 | 3.5 | 3.8 | 3.7 |
| 1988 | 3.7 | 3.7 | 2.5 | 2.5 | 2.7 | 2.4 | 2.5 | 2.4 | 3.3 | 3.3 | 3.6 | 3.7 |
| 1989 | 3.6 | 3.5 | 2.1 | 2.1 | 2.3 | 2.7 | 2.5 | 2.4 | 3.4 | 3.2 | 3.6 | 3.7 |
| 1990 | 3.6 | 3.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.4 | 2.6 | 3.4 | 3.3 | 3.6 | 3.7 |
| 1991 | 3.7 | 3.6 | 2.3 | 2.4 | 2.5 | 3.0 | 2.2 | 2.2 | 3.4 | 3.3 | 3.6 | 3.7 |
| 1992 | 3.7 | 3.6 | 2.5 | 2.5 | 3.4 | 3.1 | 2.6 | 2.6 | 3.4 | 3.4 | 3.6 | 3.6 |
| 1993 | 3.7 | 3.6 | 2.5 | 3.9 | 3.7 | 3.4 | 3.1 | 3.4 | 4.3 | 3.8 | 3.8 | 3.8 |
| 1994 | 3.7 | 3.7 | 2.2 | 2.4 | 2.7 | 2.4 | 2.3 | 2.6 | 3.4 | 3.2 | 3.5 | 3.5 |
| 1995 | 3.7 | 3.5 | 2.3 | 4.0 | 3.2 | 8.1 | 6.4 | 8.7 | 6.8 | 8.1 | 4.6 | 3.9 |
| 1996 | 3.8 | 3.7 | 2.6 | 2.9 | 6.1 | 5.7 | 4.6 | 4.4 | 4.5 | 3.7 | 3.8 | 3.8 |
| 1997 | 3.8 | 3.8 | 8.3 | 16.8 | 9.5 | 5.5 | 3.4 | 3.9 | 4.2 | 3.6 | 3.9 | 3.9 |
| 1998 | 3.9 | 4.0 | 2.8 | 4.0 | 9.7 | 7.2 | 7.2 | 7.4 | 8.0 | 8.3 | 4.8 | 4.4 |
| 1999 | 3.9 | 3.7 | 2.5 | 3.4 | 5.7 | 4.4 | 4.1 | 3.2 | 3.9 | 3.5 | 3.7 | 3.7 |
| 2000 | 3.7 | 3.6 | 1.9 | 2.5 | 5.9 | 5.0 | 4.0 | 3.5 | 3.8 | 3.5 | 3.7 | 3.9 |
| 2001 | 3.8 | 3.6 | 2.1 | 2.5 | 2.7 | 3.1 | 3.2 | 2.8 | 3.4 | 3.5 | 3.6 | 3.7 |
| 2002 | 3.6 | 3.6 | 2.5 | 2.8 | 2.4 | 2.6 | 2.5 | 2.6 | 3.4 | 3.3 | 3.6 | 3.7 |
| 2003 | 3.6 | 3.6 | 2.8 | 2.8 | 2.7 | 2.4 | 3.1 | 2.8 | 3.4 | 3.3 | 3.6 | 3.6 |
| | | | | | | | | | | | | |
| Average | 3.8 | 3.9 | 3.1 | 3.9 | 4.4 | 4.6 | 4.1 | 3.8 | 4.4 | 4.1 | 3.9 | 3.9 |
| Critical | 3.7 | 3.7 | 2.4 | 2.4 | 2.7 | 2.5 | 2.4 | 2.5 | 3.4 | 3.4 | 3.6 | 3.7 |
| Dry | 3.8 | 3.7 | 2.3 | 2.5 | 2.6 | 2.9 | 2.9 | 2.7 | 3.4 | 3.4 | 3.6 | 3.7 |
| BN | 3.7 | 3.7 | 2.3 | 2.8 | 3.5 | 3.8 | 3.6 | 3.6 | 3.6 | 3.4 | 3.7 | 3.7 |
| AN | 3.7 | 3.6 | 2.5 | 3.7 | 4.9 | 4.7 | 4.1 | 3.8 | 4.6 | 3.9 | 3.8 | 3.8 |
| Wet | 3.9 | 4.3 | 4.1 | 5.5 | 6.2 | 6.6 | 5.6 | 5.1 | 5.5 | 5.0 | 4.2 | 4.2 |

Table 2-46. Old River near Middle River location stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-47. Old River near Middle River location stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -4.2 | -3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.7 | -0.7 |
| 1977 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -1.1 | -1.0 | -0.7 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -1.5 |
| 1982 | 0.0 | 0.0 | -0.1 | -1.1 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -2.0 | -1.9 | -0.8 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -3.0 | -2.6 | -0.3 |
| 1989 | -0.1 | 0.1 | 0.0 | 0.1 | 0.1 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.8 | -0.7 |
| 1990 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.9 | -1.0 | -0.4 |
| 1991 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -2.3 | -0.8 | -0.3 |
| 1992 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | 0.1 | -3.7 | -1.9 | -0.3 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -1.1 | -4.4 | -1.4 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | -1.2 |
| 1995 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | -1.2 | -0.5 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.6 | -0.5 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.0 | -1.7 | -0.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.9 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.5 | -0.2 | -0.7 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-48. Old River near Tracy location stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-49. Old River near Tracy location stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -2.1 | -0.7 |
| 1977 | -0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | -1.5 | -1.0 | -0.8 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | -1.6 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.4 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -2.3 | -2.2 | -0.8 |
| 1988 | -0.1 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | -3.3 | -2.6 | -0.4 |
| 1989 | -0.1 | 0.1 | -0.1 | 0.3 | 0.2 | -0.2 | -0.2 | 0.3 | 0.1 | 0.0 | -0.9 | -0.7 |
| 1990 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -2.5 | -1.1 | -0.4 |
| 1991 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -2.2 | -0.9 | -0.3 |
| 1992 | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -4.1 | -2.1 | -0.4 |
| 1993 | -0.1 | 0.0 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.6 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.8 | -1.3 |
| 1995 | -0.1 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.4 | -2.7 | -0.5 |
| 2002 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.7 | -0.6 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -2.1 | -1.9 | -0.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.9 | -1.2 | -0.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-50. Middle River downstream of Old River location stage (ft) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 2-51. Middle River downstream of Old River location stage percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -4.2 | -3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -1.5 | -0.6 |
| 1977 | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -1.0 | -0.8 | -0.6 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.2 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.9 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.7 | -1.5 | -0.6 |
| 1988 | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -3.6 | -2.0 | -0.3 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -0.2 | -0.1 | 0.2 | 0.1 | 0.0 | -0.7 | -0.6 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.8 | -0.3 |
| 1991 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -1.8 | -0.6 | -0.2 |
| 1992 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | -3.5 | -1.4 | -0.2 |
| 1993 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.8 | -3.8 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -0.8 |
| 1995 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.8 | -1.0 | -0.4 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -0.6 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.6 | -0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -1.4 | -0.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.7 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.5 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-52. Old River near Middle River location stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|-----|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-53. Old River near Middle River location stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -0.6 | -0.3 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.6 | -0.5 |
| 1978 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.7 | -1.2 | -1.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -1.1 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.8 | -0.4 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -1.1 | -0.2 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | -0.5 | -0.2 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.5 | -0.2 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.0 | -0.4 | -0.2 |
| 1993 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -1.1 | -4.4 | -1.4 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.2 | -0.7 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.2 | -0.4 | -0.3 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.8 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | -0.4 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-54. Old River near Tracy location stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|-----|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-55. Old River near Tracy location stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.7 | -0.3 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.6 | -0.5 |
| 1978 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 2.2 | -1.3 | -1.1 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.4 | -1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -0.4 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.9 | -0.3 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | -0.2 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.6 | -0.3 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.5 | -0.2 |
| 1992 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.7 | -0.5 | -0.3 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | -0.4 | -3.6 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.5 | -0.8 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.6 | -0.5 | -0.3 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.9 | -0.4 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -0.5 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-56. Middle River downstream of Old River location stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|-----|-----|------|-----|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-57. Middle River downstream of Old River location stage percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.5 | -0.2 |
| 1977 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.5 | -0.4 |
| 1978 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.7 | -1.0 | -0.9 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.9 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.6 | -0.3 |
| 1988 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.8 | -0.2 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.4 | -0.2 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.4 | -0.2 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 1.1 | -0.3 | -0.2 |
| 1993 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.8 | -3.8 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -1.7 | -0.5 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.4 | -0.4 | -0.3 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.3 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.2 | -0.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.7 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | -0.4 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.6 | -0.3 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-58. Old River near Middle River location stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-59. Old River near Middle River location stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -4.2 | -3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -0.7 | -0.3 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.5 | -0.4 | -0.3 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -1.5 |
| 1982 | 0.0 | 0.0 | -0.1 | -1.1 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.4 | -1.2 | -0.5 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.6 | -1.4 | -0.2 |
| 1989 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | -0.1 | -0.1 | 0.2 | 0.1 | 0.0 | -0.8 | -0.7 |
| 1990 | 0.1 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | -0.5 | -0.2 |
| 1991 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -1.1 | -0.4 | -0.1 |
| 1992 | 0.0 | 0.1 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.2 | 0.1 | -2.2 | -1.2 | -0.1 |
| 1993 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -1.1 | -4.4 | -1.4 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | -0.7 |
| 1995 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | -0.8 | -0.3 |
| 2002 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.4 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -1.0 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | -0.7 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.5 | -0.2 | -0.7 | -0.3 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-60. Old River near Tracy location stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-61. Old River near Tracy location stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -2.8 | -2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.9 | -0.3 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | -0.8 | -0.4 | -0.4 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | -1.6 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.4 | -2.4 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.6 | -1.5 | -0.5 |
| 1988 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | -1.9 | -1.3 | -0.2 |
| 1989 | 0.0 | 0.1 | -0.1 | 0.3 | 0.2 | -0.2 | -0.2 | 0.3 | 0.1 | 0.0 | -0.9 | -0.7 |
| 1990 | 0.1 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -1.6 | -0.6 | -0.2 |
| 1991 | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -1.1 | -0.4 | -0.1 |
| 1992 | 0.0 | 0.1 | 0.2 | 0.2 | -0.1 | -0.1 | 0.0 | 0.2 | 0.1 | -2.5 | -1.3 | -0.2 |
| 1993 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 | -0.2 | -0.1 | -0.5 | -3.6 | -1.3 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.8 |
| 1995 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.0 | -1.8 | -0.3 |
| 2002 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | -0.7 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.5 | -0.4 | -0.2 |
| Critical | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.3 | -1.0 | -0.3 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.8 | -1.0 | -0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.6 | -0.4 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-62. Middle River downstream of Old River location stage (ft) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-63. Middle River downstream of Old River location stage percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -4.2 | -3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -0.6 | -0.2 |
| 1977 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | -0.5 | -0.4 | -0.3 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.2 |
| 1982 | 0.0 | 0.0 | -0.1 | -0.9 | -3.1 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -1.2 | -0.9 | -0.4 |
| 1988 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -1.9 | -1.1 | -0.2 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | -0.2 | -0.1 | 0.2 | 0.1 | 0.0 | -0.7 | -0.6 |
| 1990 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -1.5 | -0.4 | -0.2 |
| 1991 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | -0.9 | -0.3 | -0.1 |
| 1992 | 0.0 | 0.0 | 0.2 | 0.1 | -0.1 | -0.1 | 0.0 | 0.2 | 0.0 | -2.2 | -0.9 | -0.1 |
| 1993 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.8 | -3.8 | -1.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | -0.5 |
| 1995 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.3 | -0.7 | -0.2 |
| 2002 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | -0.6 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | -0.4 | -0.3 | -0.1 |
| Critical | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -0.7 | -0.2 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.6 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.5 | -0.1 | -0.6 | -0.4 | -0.1 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Table 2-64. Middle River downstream of Old River location maximum stage (ft) difference
No Groundwater Substitution minus Base.**

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|------|------------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-65. Old River near Tracy location maximum stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|------|-----|-----|-----|-----|------------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-66. Old River near Middle River location maximum stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|------|-----|-----|-----|------|------------|------------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
 Final EIS/EIR

**Table 2-67. Grant Line Canal upstream of barrier location maximum stage (ft) difference
 No Groundwater Substitution minus Base.**

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|------|-----|-----|-----|-----|------------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 2-68. Old River upstream of barrier location maximum stage (ft) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|------|------------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

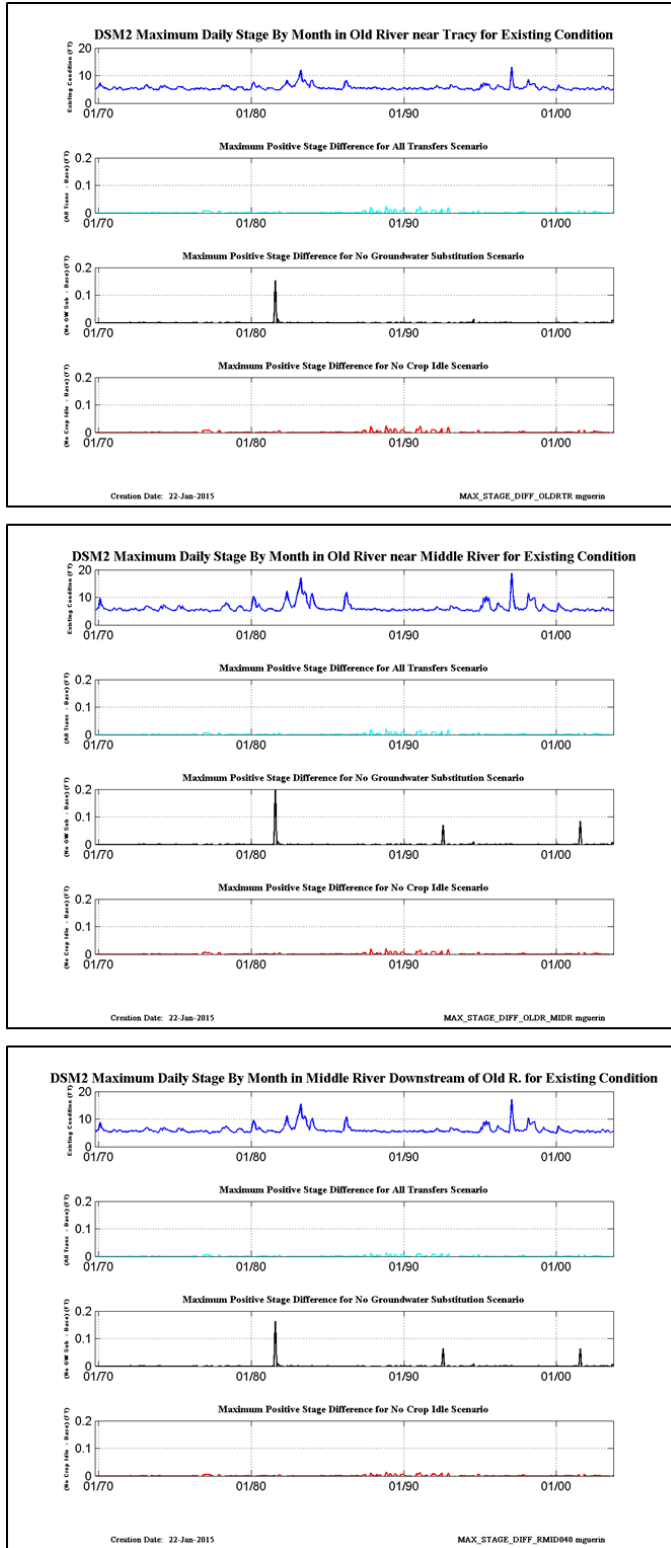


Figure 2-11. Figures show the maximum positive stage difference at three locations.

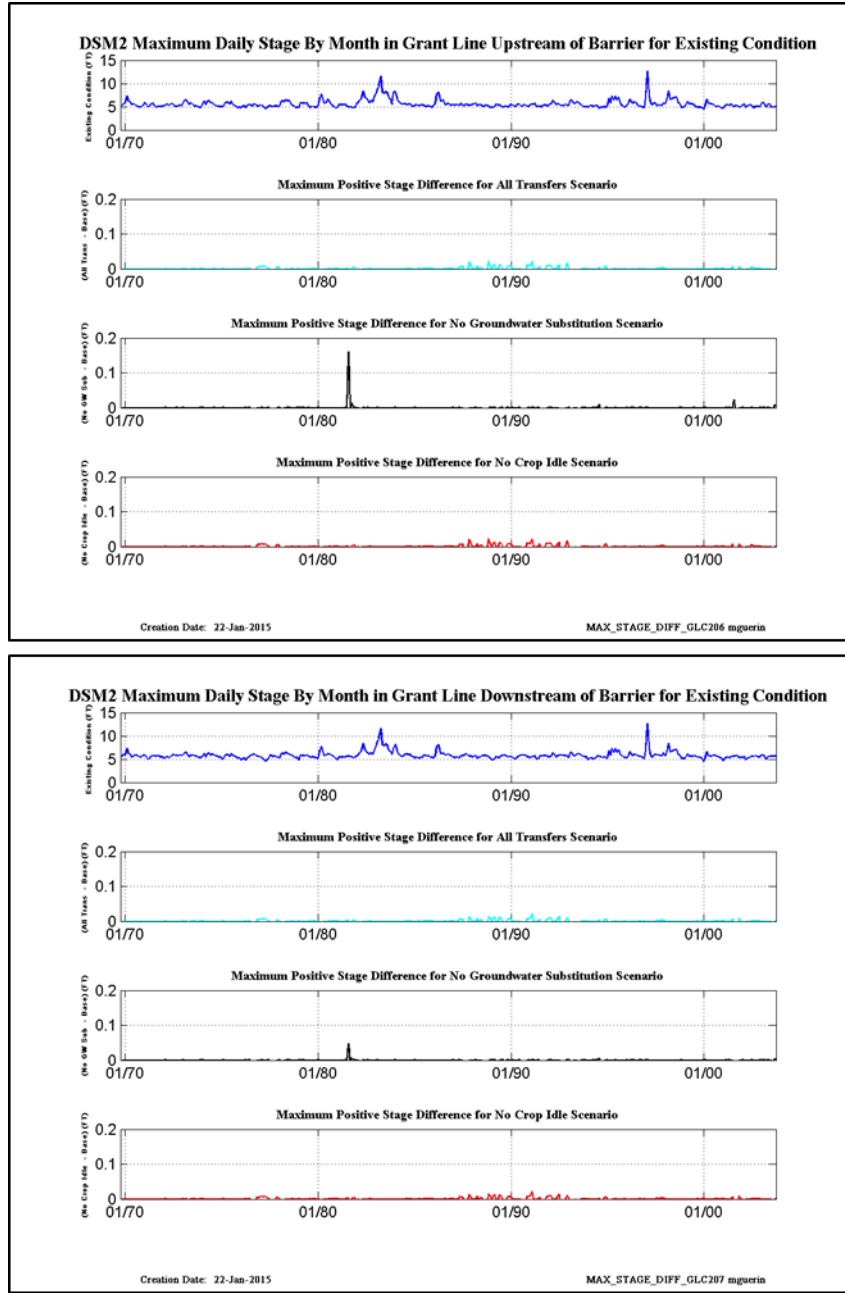


Figure 2-12. Figures show the maximum positive stage difference upstream and downstream of the barrier in Grant Line Canal.

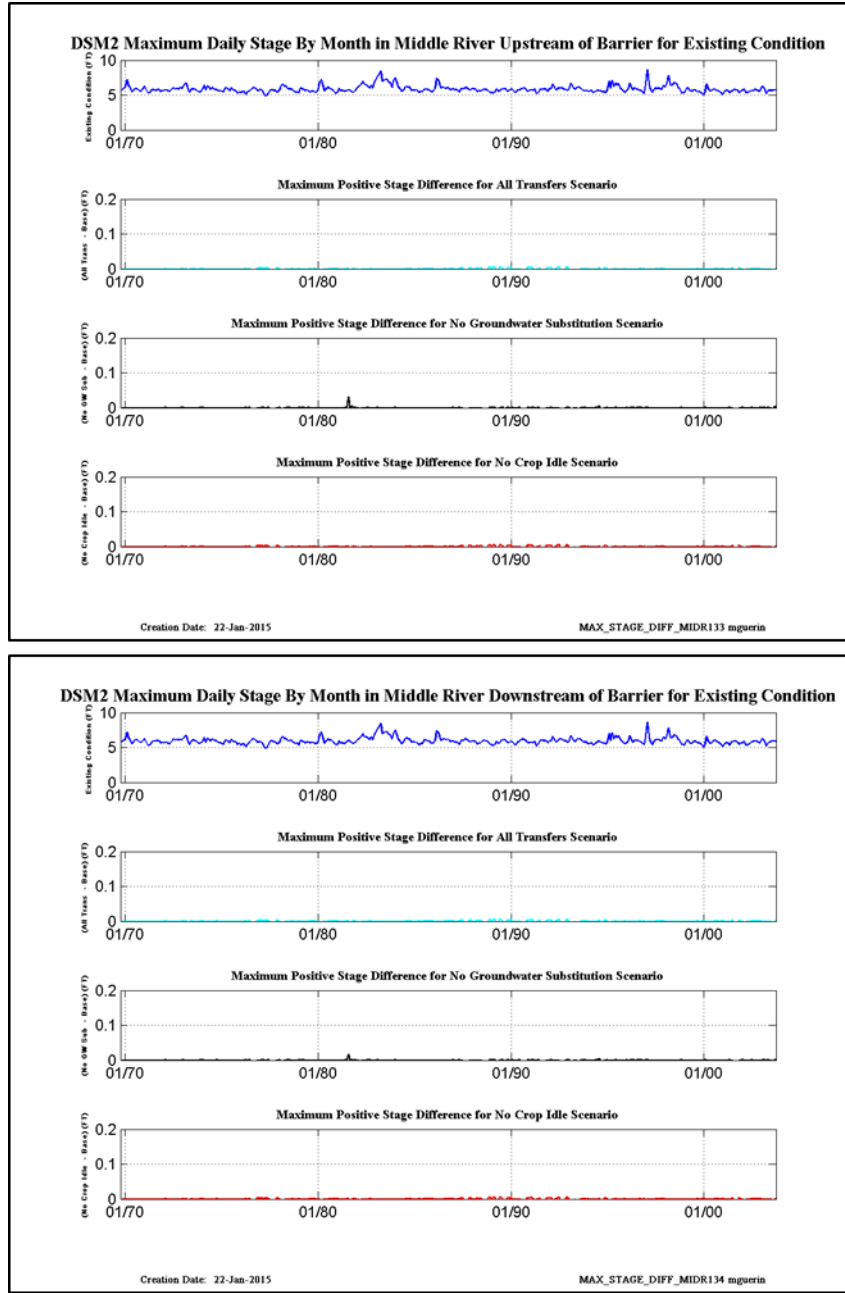


Figure 2-13. Figures show the maximum positive stage difference upstream and downstream of the barrier in Middle River.

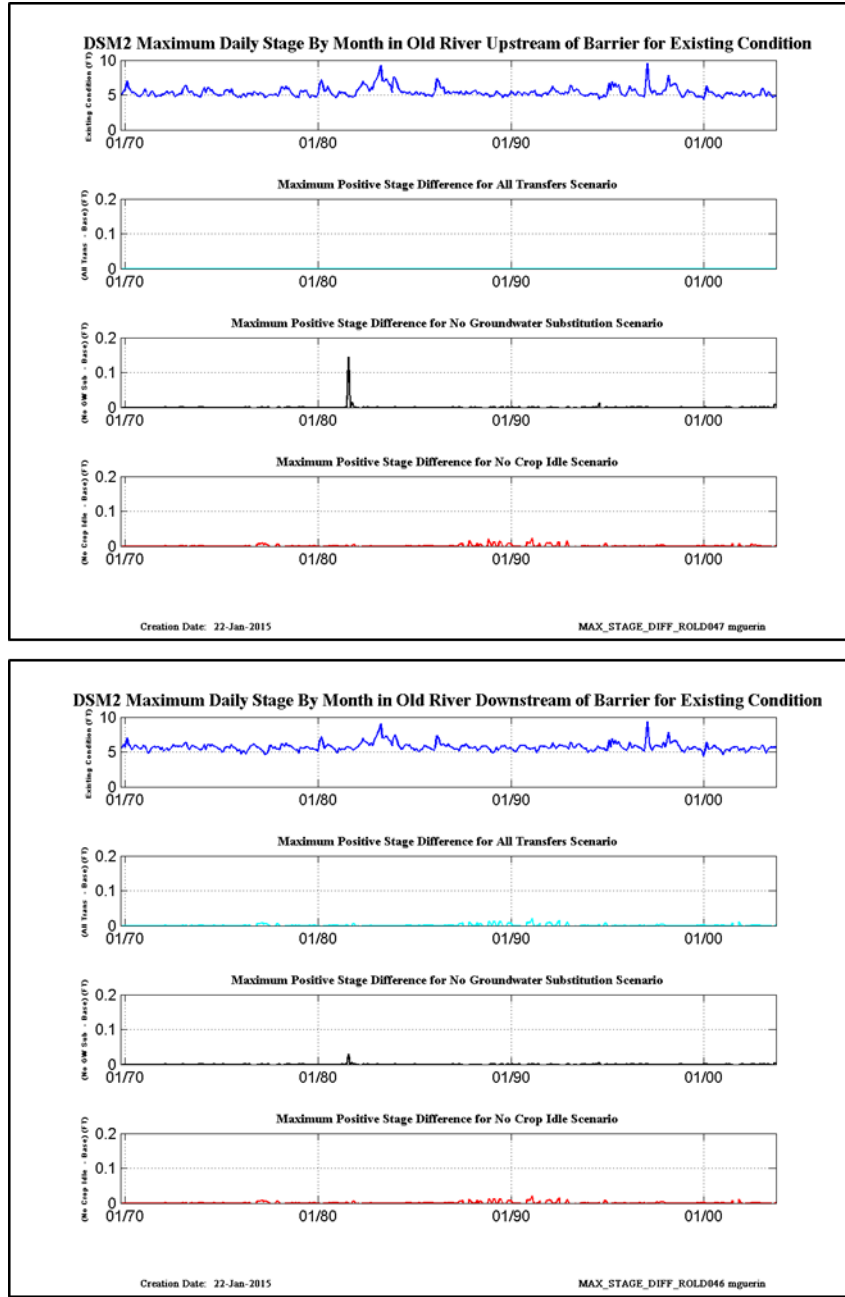


Figure 2-14. Figures show the maximum positive stage difference upstream and downstream of the barrier in Old River.

C.1.3 X2 Model Output

X2 is defined as the distance in km from Golden Gate to the position of 2.0 ppt (parts per thousand) bottom salinity. Using EC data analysis at stations throughout the Delta, regression relationships were developed relating Net Delta Outflow (NDO) to EC measurements (Jassby *et.al.*, 1995). Using these data, it was also found that 2.0 ppt corresponds to 2640 $\mu\text{S cm}^{-1}$ surface EC and to 3000 $\mu\text{S cm}^{-1}$ bottom EC.

The position of X2 is regulated from February to June each year by the 1995 Bay/Delta Plan (SWRCB, 1995). The compliance standard for the position of X2 can be met either with flow objectives specified by the Net Delta Outflow Index (NDOI) or as an equivalent EC standard, each of which vary with the Sacramento Water Year Type¹. Compliance is met by a 3-day NDOI for an X2 location at Collinsville (81 km, NDOI=7100 cfs), Chipps (75 km, NDOI=11,400 cfs) or at Port Chicago (64 km, NDOI=29,200 cfs). Equivalently, compliance can also be met at these locations using surface EC of 2640 $\mu\text{mhos cm}^{-1}$ on a daily basis or on a 14-day running average basis.

DSM2 is depth-averaged EC, so as a proxy for X2, the methodology developed to use DSM2 EC output for the calculation of X2 assumed that the average of the top and bottom EC values for X2, 2820 $\mu\text{mhos cm}^{-1}$ was the *de facto* location of X2. Using this estimate, the monthly average DSM2 EC output at six RKI² locations in the western Delta – RSAC054, RSAC064, RSAC075, RSAC077, RSAC081, RSAC084, RSAC092 and RSAC101 – were used to calculate X2 (see **Error! Reference source not found.**). Eastward movement of X2 is less desirable from a fish habitat standpoint.

Linear interpolation was used to estimate the location of X2 between successive points. Two exceptions occurred: if EC at RSAC054 (Martinez boundary) EC was less than 2820 $\mu\text{mhos cm}^{-1}$, X2 was set to be 54 km, or if EC at RSAC101 was greater than 2820 $\mu\text{mhos cm}^{-1}$, X2 was set to be 101 km – the latter case did not occur. When 2820 $\mu\text{mhos cm}^{-1}$ occurred between two adjacent RKI locations, RKI₁ and RKI₂ (in km), the average change in EC per km between the points, delta_X2, was used to calculate the position of X2 as follows, where EC(RKI₁) is the EC at RKI₁:

$$X2 = RKI_1 + (2820 - EC(RKI_1))/\text{delta_X2}$$

¹Sacramento R. Water Year Index = 0.4 * Current Apr-Jul Runoff Forecast (MAF) + 0.3 * Current Oct-Mar Runoff (MAF) + 0.3 * Previous Water Year's Index (if it exceeds 10.0, then 10.0 is used)

²RKI is River Kilometer Index, the distance from the Golden Gate in km.

For each scenario, the position of X2 was calculated using the linear interpolation method. Plots of monthly average of X2 position are presented below, with Figure 3-3 also showing the change in X2, (Scenario minus Base), for all three alternative scenarios.

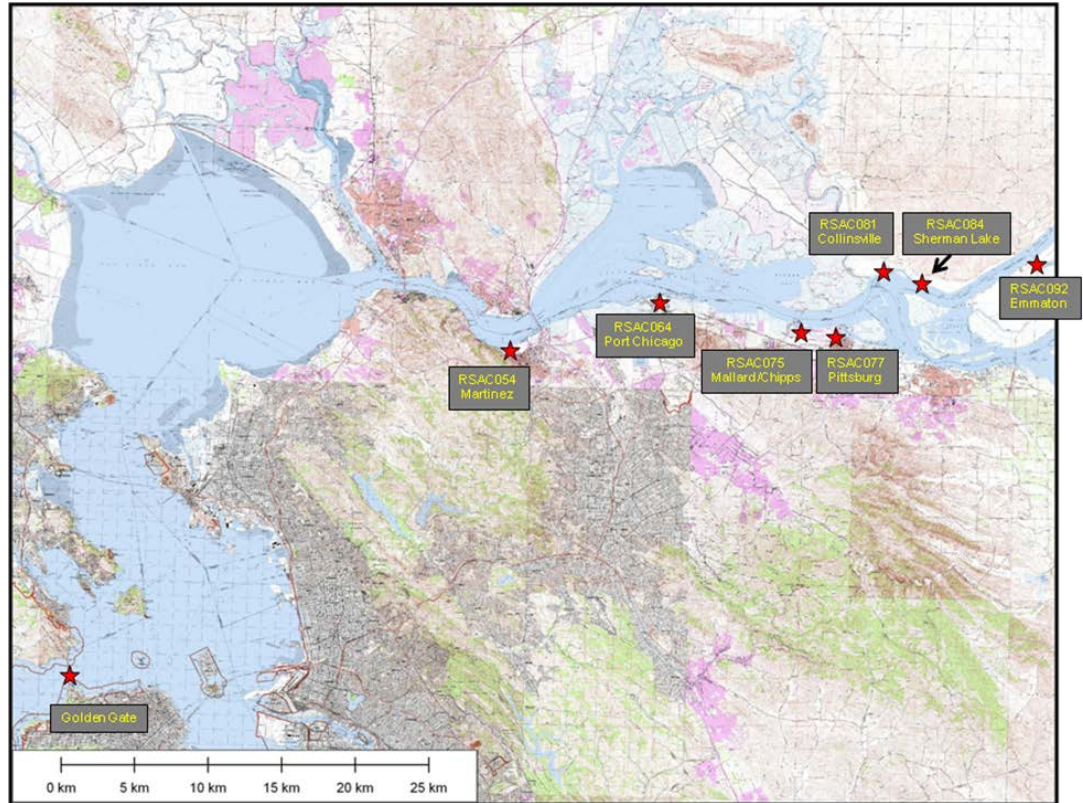


Figure 3-1. DSM2 Output locations used in the calculation of X2 are on the Sacramento River from Rio Vista (upstream of Emmaton) to Martinez

C.1.3.1 Reference

Jassby, A.D., W.J. Kimmerer, S.G. Monosmith, C. Armour, J.E. Cloern, T.M. Powell, J.R. Schubel, T.J. Vendlinski. 1995. "Isohaline Position as a Habitat Indicator", *Ecological Applications* 5:1, pp 272 – 289.

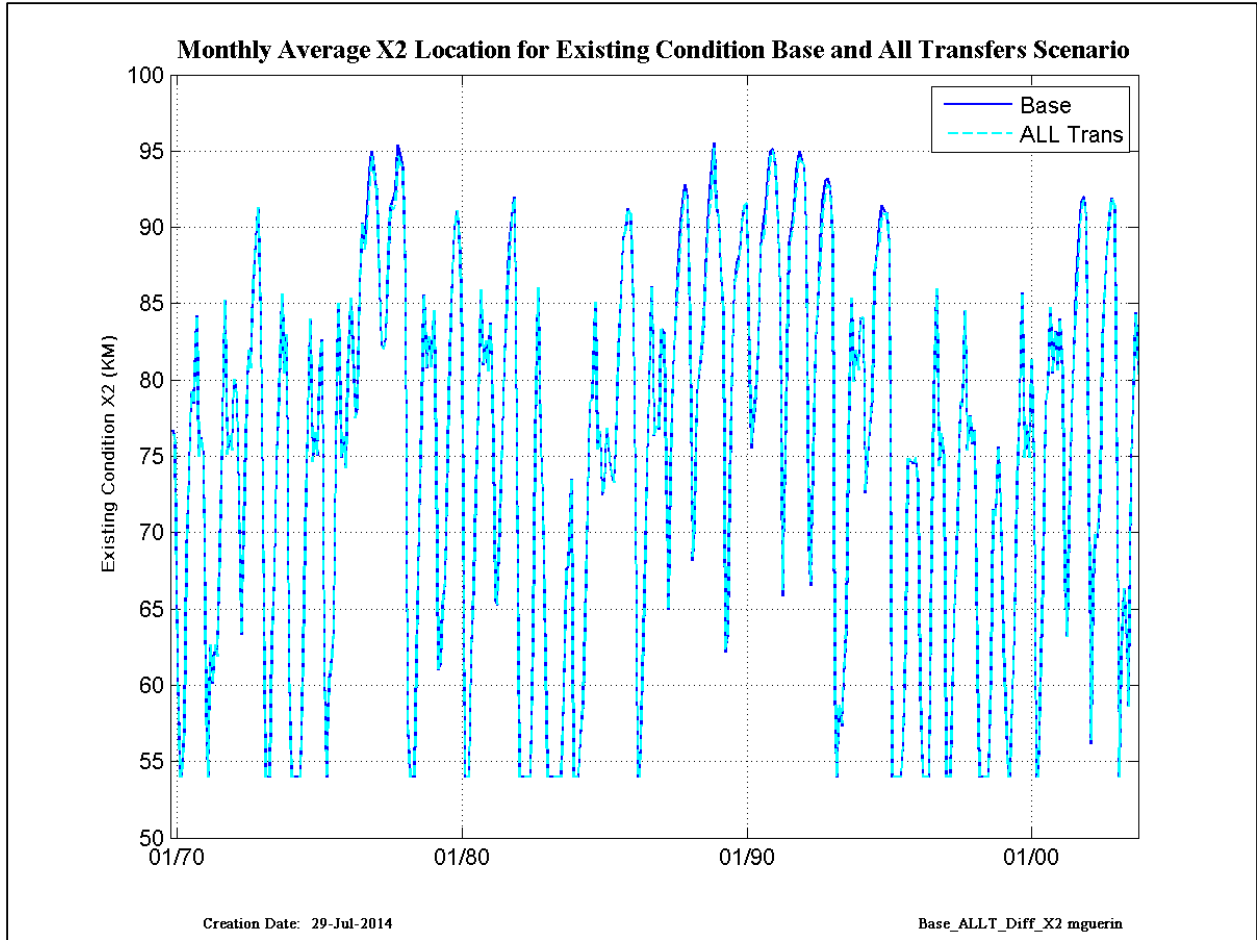


Figure 3-2. Monthly Average X2 Location for Existing Condition Base and All Transfers Scenario.

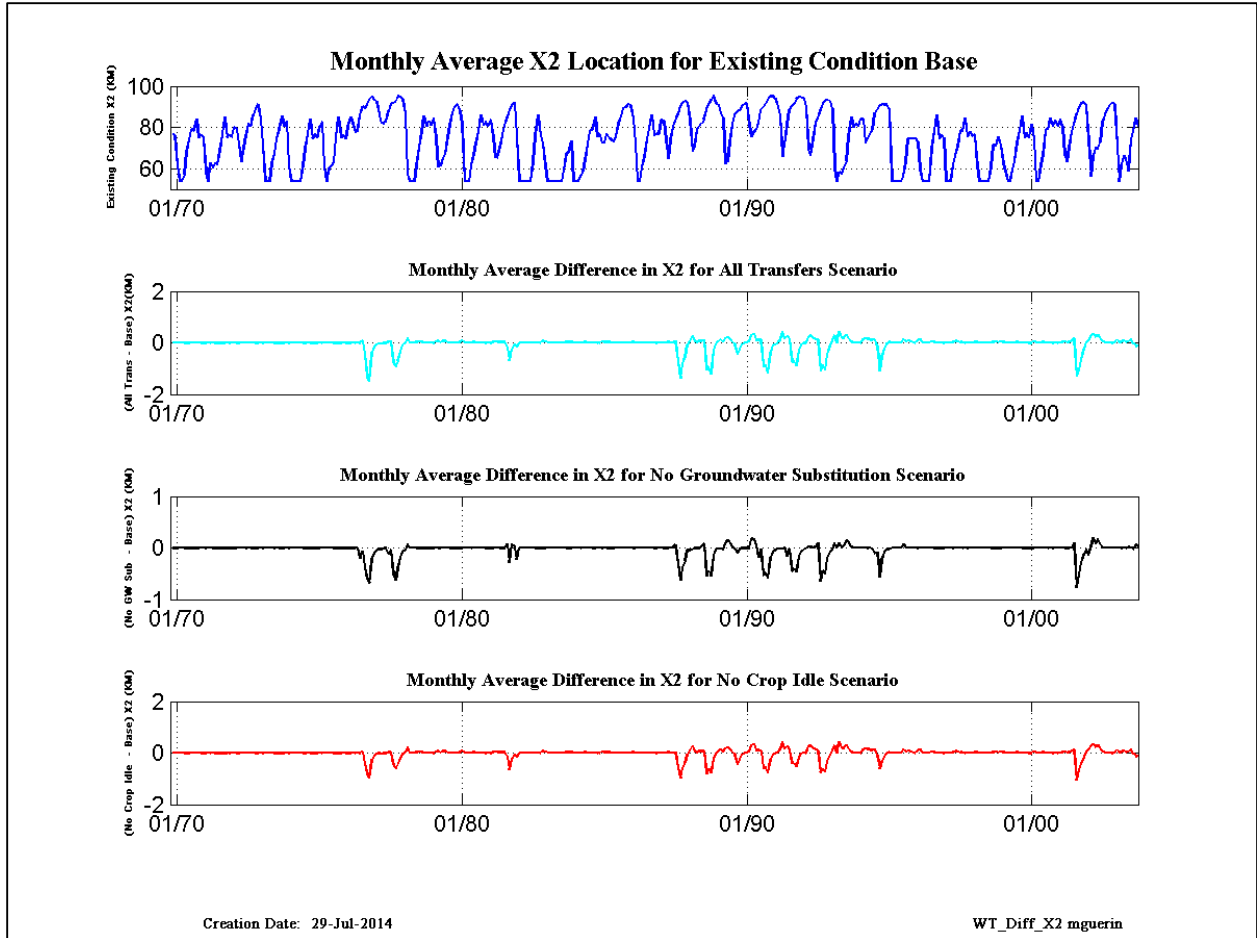


Figure 3-3. Monthly Average X2 Location for Existing Condition Base and the differences Scenario – Base.

Long-Term Water Transfers
Final EIS/EIR

Table 3-1. X2 (km) Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 76.7 | 75.9 | 61.1 | 54.0 | 54.0 | 57.2 | 68.7 | 73.9 | 79.2 | 78.5 | 84.2 | 75.0 |
| 1971 | 76.2 | 75.1 | 58.5 | 54.0 | 62.7 | 60.1 | 62.6 | 61.9 | 68.8 | 76.7 | 85.3 | 75.1 |
| 1972 | 76.4 | 75.4 | 80.1 | 79.0 | 72.1 | 63.3 | 70.3 | 76.2 | 82.0 | 80.8 | 86.1 | 89.1 |
| 1973 | 91.3 | 83.9 | 71.8 | 54.0 | 54.0 | 54.0 | 62.9 | 67.2 | 74.7 | 79.0 | 85.6 | 80.5 |
| 1974 | 83.0 | 61.3 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 61.9 | 69.8 | 77.2 | 84.0 | 74.7 |
| 1975 | 76.6 | 75.1 | 80.6 | 82.6 | 60.8 | 54.0 | 60.4 | 61.2 | 63.6 | 75.6 | 85.1 | 74.9 |
| 1976 | 76.3 | 74.3 | 80.4 | 85.3 | 82.0 | 77.5 | 78.2 | 86.2 | 90.3 | 89.0 | 91.3 | 93.7 |
| 1977 | 95.0 | 93.3 | 92.5 | 86.3 | 82.3 | 82.0 | 82.8 | 88.2 | 91.4 | 91.9 | 92.4 | 95.4 |
| 1978 | 94.5 | 93.8 | 86.7 | 57.6 | 54.0 | 54.0 | 54.0 | 61.8 | 70.7 | 78.0 | 85.6 | 80.8 |
| 1979 | 82.8 | 80.9 | 84.6 | 75.1 | 61.0 | 61.4 | 65.2 | 66.8 | 75.4 | 81.8 | 87.0 | 89.9 |
| 1980 | 91.1 | 88.3 | 82.2 | 54.0 | 54.0 | 54.0 | 62.1 | 66.7 | 72.7 | 78.5 | 85.9 | 81.0 |
| 1981 | 82.6 | 80.6 | 83.7 | 75.8 | 65.5 | 65.2 | 70.6 | 76.3 | 81.2 | 85.4 | 88.7 | 90.7 |
| 1982 | 92.0 | 75.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 63.4 | 75.8 | 86.1 | 75.9 |
| 1983 | 72.3 | 61.6 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 59.5 | 67.6 | 67.8 |
| 1984 | 73.5 | 54.0 | 54.0 | 54.0 | 56.6 | 58.9 | 64.2 | 72.0 | 78.5 | 78.8 | 85.1 | 75.5 |
| 1985 | 76.6 | 72.5 | 72.9 | 76.8 | 74.8 | 73.9 | 73.3 | 75.6 | 82.0 | 85.6 | 89.3 | 89.9 |
| 1986 | 91.2 | 90.9 | 84.5 | 72.6 | 54.0 | 54.0 | 60.7 | 65.9 | 74.4 | 79.6 | 86.1 | 76.4 |
| 1987 | 77.0 | 76.8 | 83.4 | 83.1 | 73.9 | 65.0 | 73.9 | 80.6 | 83.3 | 86.9 | 90.3 | 91.7 |
| 1988 | 92.8 | 92.0 | 83.5 | 68.2 | 70.5 | 79.1 | 80.4 | 81.9 | 83.9 | 88.7 | 91.4 | 93.3 |
| 1989 | 95.5 | 91.4 | 90.6 | 87.1 | 84.3 | 62.2 | 63.3 | 73.1 | 81.8 | 86.3 | 87.7 | 88.3 |
| 1990 | 90.3 | 91.4 | 91.6 | 80.9 | 75.6 | 77.5 | 79.1 | 82.2 | 88.6 | 90.1 | 91.5 | 93.5 |
| 1991 | 95.0 | 95.1 | 94.0 | 90.1 | 85.7 | 65.8 | 71.4 | 81.7 | 88.9 | 90.2 | 91.3 | 93.7 |
| 1992 | 95.0 | 94.4 | 94.1 | 89.8 | 69.5 | 66.5 | 74.4 | 82.5 | 84.7 | 88.8 | 91.7 | 93.0 |
| 1993 | 93.2 | 92.7 | 89.1 | 60.3 | 54.0 | 58.3 | 57.4 | 60.5 | 63.8 | 75.6 | 85.3 | 79.9 |
| 1994 | 81.9 | 80.7 | 84.0 | 84.0 | 72.6 | 74.9 | 76.8 | 78.8 | 86.9 | 88.4 | 90.3 | 91.4 |
| 1995 | 91.1 | 90.9 | 88.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 56.2 | 63.2 | 74.7 | 74.7 |
| 1996 | 74.5 | 74.9 | 73.2 | 59.9 | 54.0 | 54.0 | 54.0 | 54.0 | 70.1 | 78.8 | 86.0 | 74.4 |
| 1997 | 76.5 | 74.9 | 54.0 | 54.0 | 54.0 | 61.9 | 66.4 | 70.9 | 78.5 | 78.3 | 84.5 | 75.4 |
| 1998 | 77.7 | 75.8 | 76.7 | 61.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 60.8 | 71.5 | 71.1 |
| 1999 | 75.6 | 71.6 | 62.7 | 59.0 | 54.0 | 54.0 | 59.4 | 63.7 | 73.2 | 78.4 | 85.7 | 74.9 |
| 2000 | 77.0 | 74.9 | 81.3 | 74.3 | 54.0 | 54.0 | 61.9 | 67.1 | 78.5 | 79.3 | 84.7 | 80.4 |
| 2001 | 83.2 | 80.7 | 84.0 | 80.2 | 66.8 | 63.2 | 70.6 | 77.8 | 81.5 | 86.5 | 89.8 | 91.7 |
| 2002 | 92.0 | 90.7 | 73.4 | 56.2 | 66.5 | 69.8 | 69.7 | 73.1 | 82.5 | 86.4 | 88.8 | 90.9 |
| 2003 | 91.9 | 91.4 | 71.2 | 54.0 | 61.8 | 66.3 | 62.8 | 58.6 | 74.4 | 78.7 | 84.4 | 80.5 |
| Average | 84.4 | 81.0 | 76.8 | 68.2 | 63.4 | 62.1 | 65.5 | 69.5 | 76.0 | 80.5 | 86.0 | 83.1 |
| Critical | 89.5 | 88.7 | 88.6 | 83.5 | 76.9 | 74.8 | 77.6 | 83.1 | 87.8 | 89.6 | 91.4 | 93.4 |
| Dry | 84.5 | 82.1 | 81.3 | 76.5 | 72.0 | 66.5 | 70.2 | 76.1 | 82.0 | 86.2 | 89.1 | 90.5 |
| BN | 79.6 | 78.1 | 82.3 | 77.1 | 66.6 | 62.4 | 67.8 | 71.5 | 78.7 | 81.3 | 86.6 | 89.5 |
| AN | 89.8 | 87.5 | 80.4 | 59.0 | 55.3 | 56.8 | 60.2 | 63.6 | 72.5 | 78.2 | 85.3 | 80.5 |
| Wet | 79.8 | 73.6 | 65.8 | 59.0 | 55.4 | 55.7 | 59.0 | 61.7 | 68.0 | 73.9 | 82.0 | 74.3 |

Table 3-2. X2 (km) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -1.3 | -1.5 |
| 1977 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -0.9 | -0.7 |
| 1978 | -0.3 | -0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 | -0.2 |
| 1982 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | -1.4 | -0.8 |
| 1988 | -0.5 | -0.1 | 0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -1.1 | -1.0 | -1.2 |
| 1989 | -0.3 | -0.1 | 0.1 | 0.1 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | -0.1 | -0.4 | -0.2 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | -0.9 | -0.9 | -1.2 |
| 1991 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.2 | 0.2 | 0.2 | -0.7 | -0.7 | -0.9 |
| 1992 | -0.3 | -0.1 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | -1.1 | -0.9 | -1.0 |
| 1993 | -0.4 | -0.1 | 0.1 | 0.3 | 0.0 | 0.4 | 0.2 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -1.1 | -0.5 |
| 1995 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -1.3 | -1.0 | -0.6 |
| 2002 | -0.2 | 0.0 | 0.1 | 0.3 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| Average | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | -0.2 | -0.3 | -0.3 |
| Critical | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | -0.7 | -1.0 | -1.0 |
| Dry | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.4 | -0.6 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 3-3. X2 percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.5 | -1.4 | -1.6 |
| 1977 | -0.4 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -1.0 | -0.7 |
| 1978 | -0.4 | -0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.8 | -0.3 |
| 1982 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -1.5 | -0.9 |
| 1988 | -0.5 | -0.1 | 0.1 | 0.4 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -1.2 | -1.0 | -1.3 |
| 1989 | -0.3 | -0.1 | 0.1 | 0.1 | 0.0 | 0.3 | 0.4 | 0.2 | 0.0 | -0.1 | -0.5 | -0.3 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | -1.0 | -1.0 | -1.2 |
| 1991 | -0.4 | -0.1 | -0.1 | 0.0 | 0.1 | 0.7 | 0.3 | 0.3 | 0.2 | -0.8 | -0.8 | -1.0 |
| 1992 | -0.3 | -0.1 | 0.0 | 0.0 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | -1.2 | -0.9 | -1.1 |
| 1993 | -0.5 | -0.1 | 0.1 | 0.5 | 0.0 | 0.8 | 0.3 | 0.3 | 0.5 | 0.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | -0.2 | -1.2 | -0.6 |
| 1995 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -1.5 | -1.2 | -0.7 |
| 2002 | -0.2 | 0.0 | 0.1 | 0.5 | 0.5 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | -0.2 | -0.1 |
| Average | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -0.3 | -0.3 |
| Critical | -0.2 | -0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.8 | -1.1 | -1.1 |
| Dry | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.4 | -0.7 | -0.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 3-4. X2 (km) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | -0.6 | -0.7 |
| 1977 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | -0.6 | -0.4 |
| 1978 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | 0.1 |
| 1982 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -0.6 | -0.4 |
| 1988 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.5 | -0.5 | -0.5 |
| 1989 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | -0.2 | 0.0 | -0.5 | -0.5 | -0.6 |
| 1991 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | -0.5 | -0.4 | -0.5 |
| 1992 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -0.4 | -0.5 |
| 1993 | -0.2 | -0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.6 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.8 | -0.5 | -0.3 |
| 2002 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 |
| Critical | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.4 | -0.5 | -0.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 3-5. X2 percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.4 | -0.7 | -0.7 |
| 1977 | -0.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | -0.7 | -0.4 |
| 1978 | -0.2 | -0.1 | -0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | 0.1 |
| 1982 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.3 | -0.7 | -0.4 |
| 1988 | -0.3 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.6 | -0.5 | -0.6 |
| 1989 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | -0.2 | 0.0 | -0.6 | -0.5 | -0.6 |
| 1991 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | -0.5 | -0.4 | -0.5 |
| 1992 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | -0.5 | -0.5 |
| 1993 | -0.2 | -0.1 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.6 | -0.2 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.9 | -0.6 | -0.3 |
| 2002 | -0.1 | 0.0 | -0.2 | 0.1 | 0.3 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 |
| Critical | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.5 | -0.6 | -0.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 3-6. X2 (km) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -0.8 | -1.0 |
| 1977 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.6 | -0.4 |
| 1978 | -0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.7 | -0.2 |
| 1982 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.0 | -0.6 |
| 1988 | -0.3 | -0.1 | 0.1 | 0.3 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.8 | -0.6 | -0.8 |
| 1989 | -0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | -0.1 | -0.4 | -0.2 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | -0.6 | -0.6 | -0.8 |
| 1991 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.2 | 0.3 | 0.1 | -0.4 | -0.4 | -0.5 |
| 1992 | -0.2 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | -0.7 | -0.6 | -0.7 |
| 1993 | -0.3 | -0.1 | 0.1 | 0.3 | 0.0 | 0.4 | 0.2 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | -0.1 | -0.6 | -0.3 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -1.0 | -0.7 | -0.4 |
| 2002 | -0.2 | 0.0 | 0.1 | 0.3 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | -0.1 | -0.1 |
| Average | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.2 |
| Critical | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | -0.5 | -0.6 | -0.6 |
| Dry | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.3 | -0.4 | -0.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 3-7. X2 percent difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.4 | -0.9 | -1.0 |
| 1977 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -0.7 | -0.4 |
| 1978 | -0.2 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | -0.2 | -0.7 | -0.3 |
| 1982 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -1.1 | -0.6 |
| 1988 | -0.4 | -0.1 | 0.1 | 0.4 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | -0.9 | -0.7 | -0.8 |
| 1989 | -0.2 | 0.0 | 0.1 | 0.2 | 0.1 | 0.3 | 0.4 | 0.2 | 0.0 | -0.1 | -0.5 | -0.3 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | -0.6 | -0.6 | -0.8 |
| 1991 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.7 | 0.3 | 0.3 | 0.1 | -0.4 | -0.5 | -0.6 |
| 1992 | -0.2 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | -0.8 | -0.7 | -0.8 |
| 1993 | -0.3 | -0.1 | 0.1 | 0.5 | 0.0 | 0.8 | 0.3 | 0.3 | 0.5 | 0.2 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | -0.1 | -0.7 | -0.3 |
| 1995 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 |
| 1996 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 1999 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | -1.2 | -0.7 | -0.4 |
| 2002 | -0.2 | 0.1 | 0.2 | 0.5 | 0.5 | 0.3 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | -0.2 | -0.1 |
| Average | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.2 | -0.2 | -0.2 |
| Critical | -0.2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | -0.5 | -0.7 | -0.7 |
| Dry | -0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.3 | -0.5 | -0.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.1.4 OMR Model Output

See the text in Appendix C for details on OMR calculation.

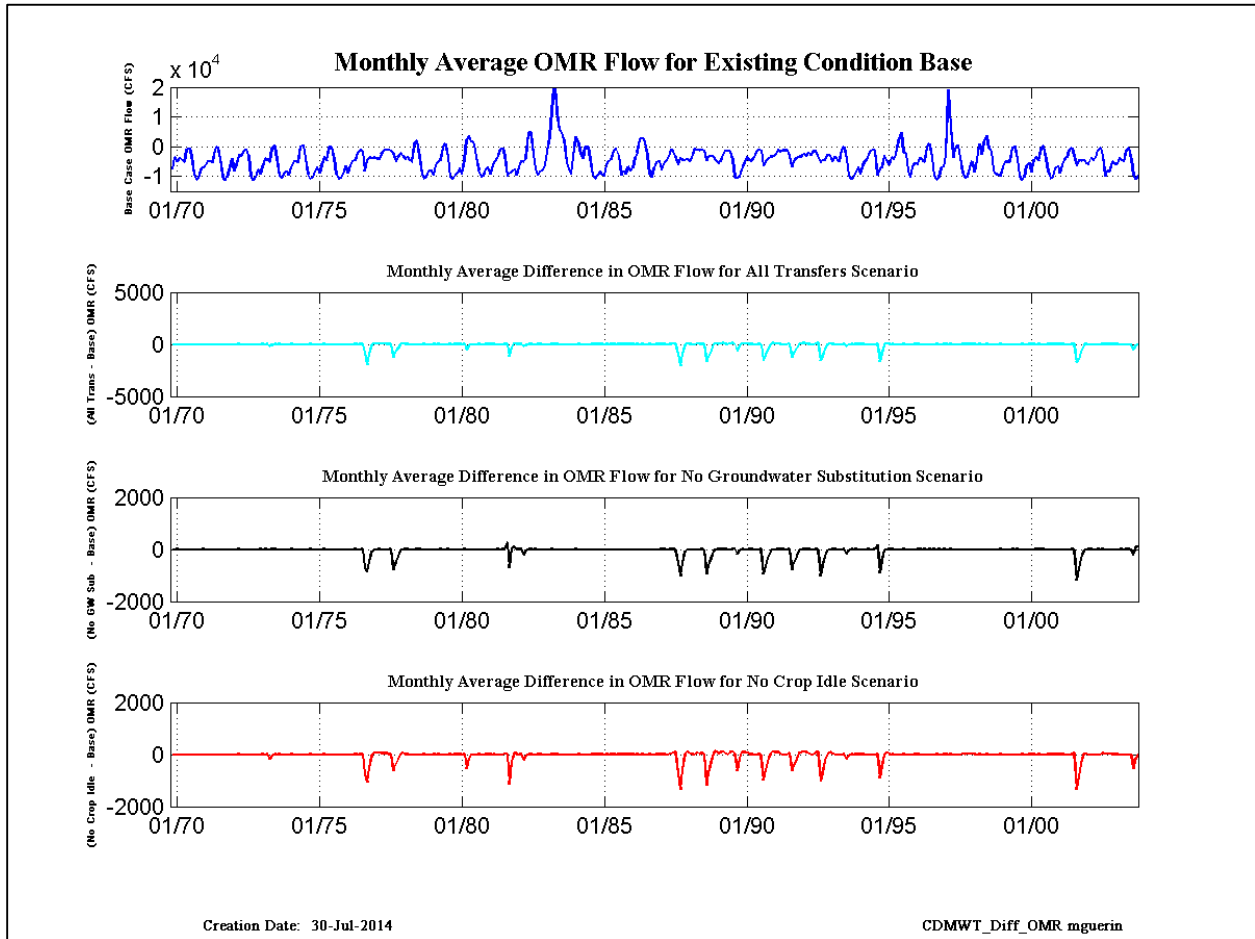


Figure 4-1. Monthly average OMR flow (cfs) and flow differences Scenario – Base.

Long-Term Water Transfers
Final EIS/EIR

Table 4-1. OMR Base flow (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 1970 | -7495.0 | -3464.3 | -5193.7 | -3968.9 | -4657.4 | -5144.2 | -838.1 | -480.5 | -2947.5 | -9091.5 | -11098.4 | -10579.6 |
| 1971 | -7441.6 | -7054.6 | -6102.2 | -4882.6 | -4896.7 | -5212.6 | -927.1 | -100.0 | -3997.9 | -10023.2 | -11375.0 | -10397.2 |
| 1972 | -7721.4 | -3896.0 | -8206.4 | -5960.7 | -2821.5 | -3174.6 | -1248.8 | -875.7 | -3019.9 | -9758.7 | -11402.4 | -10155.1 |
| 1973 | -7693.4 | -9240.3 | -6633.4 | -3803.1 | -4672.4 | -5087.2 | -383.8 | 334.0 | -3915.0 | -9755.5 | -10777.0 | -9170.6 |
| 1974 | -8189.7 | -9657.4 | -6835.6 | -5095.0 | -5015.9 | -5284.6 | 130.3 | 471.4 | -3935.7 | -9371.3 | -10793.8 | -10352.2 |
| 1975 | -8287.1 | -6848.7 | -8896.9 | -6043.2 | -3407.3 | -4676.9 | -173.2 | -164.6 | -3941.6 | -9273.8 | -10672.7 | -10398.1 |
| 1976 | -9165.6 | -6304.9 | -8885.8 | -6076.9 | -4928.8 | -4609.9 | -2019.8 | -1272.1 | -1366.5 | -8305.5 | -4666.6 | -3688.0 |
| 1977 | -3841.7 | -3701.7 | -4128.9 | -4221.0 | -2532.0 | -1464.9 | -1161.6 | -1099.5 | -1380.2 | -2147.1 | -5029.6 | -3591.8 |
| 1978 | -2282.9 | -3035.3 | -4315.3 | -3571.5 | -4666.0 | -5157.2 | 963.5 | 2011.5 | -3331.0 | -9152.8 | -10701.3 | -10188.8 |
| 1979 | -8335.5 | -8103.3 | -9588.6 | -6164.2 | -5169.1 | -4567.5 | 3.3 | 992.9 | -3715.2 | -10117.0 | -11025.9 | -9982.4 |
| 1980 | -8926.1 | -7421.1 | -9201.7 | -4487.3 | 2201.7 | 3445.4 | 1629.1 | 797.4 | -3300.4 | -7879.0 | -10231.8 | -9888.0 |
| 1981 | -7345.2 | -7238.1 | -9173.4 | -6025.5 | -4897.6 | -3968.4 | -1173.4 | -628.2 | -3002.5 | -9792.5 | -9065.7 | -8366.6 |
| 1982 | -7616.2 | -9498.3 | -6769.9 | -4924.4 | -5085.0 | -3919.8 | 4723.9 | 4629.6 | -2739.6 | -7452.2 | -9635.2 | -8335.7 |
| 1983 | -7887.2 | -6060.2 | -1619.0 | 3478.7 | 12068.5 | 22937.7 | 11740.8 | 5554.3 | 4635.3 | 2460.0 | -5381.7 | -7570.2 |
| 1984 | -9116.2 | -3255.4 | 3513.1 | 788.0 | -2703.0 | -4136.0 | -205.9 | -19.1 | -4008.7 | -9476.8 | -10683.4 | -9929.9 |
| 1985 | -8377.7 | -9464.1 | -9686.2 | -5972.5 | -4989.6 | -4205.3 | -1330.3 | -808.8 | -3046.3 | -9724.0 | -8271.4 | -9376.6 |
| 1986 | -6759.7 | -8123.8 | -7197.5 | -3756.8 | -1924.2 | 2574.2 | 2707.7 | 1795.4 | -2816.4 | -9379.3 | -10428.5 | -7160.8 |
| 1987 | -5256.9 | -4840.2 | -7859.5 | -5785.9 | -4923.6 | -3276.5 | -1047.7 | -1626.2 | -3279.9 | -5994.3 | -3822.1 | -4631.3 |
| 1988 | -4667.8 | -4293.7 | -5000.6 | -3744.7 | -950.8 | -1171.6 | -1293.8 | -932.8 | -1245.7 | -4640.9 | -3277.4 | -3180.8 |
| 1989 | -3462.4 | -4802.4 | -5735.5 | -4941.5 | -2721.6 | -1485.7 | -1475.9 | -1615.2 | -4393.4 | -10291.5 | -10455.9 | -10015.5 |
| 1990 | -7697.6 | -5239.2 | -3583.1 | -4555.1 | -4935.9 | -3642.6 | -1762.9 | -1045.8 | -1320.2 | -6402.1 | -4903.5 | -4140.8 |
| 1991 | -3394.2 | -3376.1 | -2922.7 | -1120.6 | -1640.3 | -1340.9 | -1199.8 | -1339.0 | -3168.9 | -6723.6 | -4869.1 | -3758.5 |
| 1992 | -3431.2 | -3332.9 | -2520.4 | -3192.8 | -1912.9 | -2954.1 | -1653.8 | -1473.7 | -3008.9 | -5423.9 | -4623.0 | -4489.3 |
| 1993 | -2888.3 | -3001.0 | -5118.0 | -3503.7 | -4459.8 | -5009.1 | -1053.6 | -37.2 | -3919.9 | -9626.0 | -11007.5 | -10417.2 |
| 1994 | -8233.8 | -6768.7 | -9149.4 | -6052.3 | -4987.0 | -3755.6 | -1748.8 | -1167.3 | -1319.9 | -9417.4 | -7405.2 | -6979.4 |
| 1995 | -3043.8 | -4579.5 | -6172.3 | -3612.7 | -4421.7 | -2545.9 | 1807.5 | 4740.2 | -2032.9 | -2203.2 | -8142.2 | -10113.1 |
| 1996 | -6769.5 | -5665.9 | -5765.6 | -3894.9 | -4786.3 | -5034.9 | -9.3 | 1071.4 | -3710.7 | -9756.7 | -11023.6 | -10373.6 |
| 1997 | -7064.9 | -6780.9 | -2630.0 | 19251.5 | 6608.5 | -3695.7 | -820.4 | 422.5 | -3765.7 | -8790.4 | -10532.1 | -10271.5 |
| 1998 | -7018.0 | -4866.5 | -8412.3 | -4477.2 | 937.1 | -2501.6 | 1799.7 | 3763.3 | -563.1 | -1587.4 | -7883.0 | -9353.9 |
| 1999 | -9407.2 | -9806.0 | -6755.9 | -5150.8 | -5094.7 | -5158.1 | -195.8 | 196.5 | -3994.2 | -9899.2 | -11214.5 | -10337.4 |
| 2000 | -6307.7 | -5443.4 | -8668.6 | -4384.4 | -3438.1 | -4725.0 | -358.8 | 328.0 | -3933.9 | -8212.6 | -10685.9 | -10399.5 |
| 2001 | -7263.3 | -6505.1 | -8861.1 | -5976.0 | -4378.2 | -3651.1 | -1071.9 | -500.9 | -2933.1 | -6256.1 | -4622.6 | -4749.9 |
| 2002 | -4592.8 | -5490.1 | -5767.8 | -3790.1 | -4542.9 | -3777.2 | -1302.6 | -497.6 | -2932.2 | -9917.0 | -8226.5 | -8311.4 |
| 2003 | -5083.1 | -5769.4 | -5859.2 | -3768.6 | -4493.8 | -4879.6 | -1158.5 | -534.5 | -4162.4 | -9521.3 | -11054.5 | -9888.6 |
| Average | -6531.3 | -5968.5 | -6167.7 | -3511.4 | -2889.4 | -2654.6 | -3.2 | 320.3 | -2809.2 | -7732.5 | -8676.1 | -8251.3 |
| Critical | -5776.0 | -4716.7 | -5170.1 | -4137.6 | -3126.8 | -2705.7 | -1548.7 | -1190.1 | -1830.0 | -6151.5 | -4967.8 | -4261.2 |
| Dry | -6049.7 | -6390.0 | -7847.2 | -5415.3 | -4408.9 | -3394.0 | -1233.6 | -946.1 | -3264.6 | -8662.6 | -7410.7 | -7575.2 |
| BN | -8028.5 | -5999.6 | -8897.5 | -6062.4 | -3995.3 | -3871.1 | -622.8 | 58.6 | -3367.6 | -9937.8 | -11214.1 | -10068.7 |
| AN | -5530.2 | -5651.8 | -6632.7 | -3919.8 | -3254.7 | -3568.8 | -60.3 | 483.2 | -3760.4 | -9024.5 | -10743.0 | -9992.1 |
| Wet | -7392.0 | -6589.3 | -5295.2 | -1714.5 | -1721.4 | -1676.8 | 1518.5 | 1683.1 | -2601.5 | -7218.8 | -9912.6 | -9628.7 |

Table 4-2. OMR flow (cfs) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|------|--------|--------|-------|------|--------|---------|---------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | -0.1 | 2.6 | -186.2 | -56.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.6 | -716.9 | -1916.3 | -931.5 |
| 1977 | -52.1 | 78.3 | 66.0 | 63.8 | 58.7 | 55.1 | 42.4 | 18.6 | 2.9 | -1213.9 | -768.0 | -406.7 |
| 1978 | -28.2 | 66.1 | 15.5 | 0.0 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 8.9 | 2.7 | 0.0 | 0.0 | -529.0 | -148.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 10.2 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 | 7.7 | -1176.1 | -275.5 |
| 1982 | 70.5 | 14.5 | 0.2 | 2.9 | -205.4 | -61.8 | 1.7 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 2.7 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 3.5 | 0.0 | 7.4 | 11.0 | 11.1 | 9.2 |
| 1986 | 8.3 | 8.4 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 6.6 | 8.3 | 1.8 | 0.0 | 0.0 | 31.7 | 60.0 | 82.1 | -992.9 | -2030.9 | -903.9 |
| 1988 | -19.9 | 98.2 | 20.6 | 0.0 | -0.1 | 61.7 | 18.1 | 47.2 | 34.6 | -1649.7 | -1187.6 | -559.1 |
| 1989 | 9.6 | 137.8 | 29.7 | 91.2 | 110.0 | 24.5 | -0.4 | 88.2 | 104.8 | 22.2 | -614.6 | -138.3 |
| 1990 | 85.9 | 88.9 | 78.4 | 17.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | -1589.4 | -1018.3 | -500.2 |
| 1991 | -8.1 | 106.5 | 88.5 | 94.5 | 25.9 | 0.0 | -0.3 | 0.0 | 71.8 | -1219.4 | -814.6 | -385.8 |
| 1992 | 19.8 | 98.2 | 101.0 | 99.2 | 23.5 | -0.3 | 0.0 | 75.2 | 118.3 | -1556.8 | -1158.0 | -433.5 |
| 1993 | -65.9 | 93.7 | 28.7 | -0.1 | -0.5 | -0.6 | -0.7 | 2.9 | -160.9 | -47.5 | 1.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 46.3 | -1686.1 | -846.6 |
| 1995 | -33.5 | 81.0 | 19.0 | 0.1 | -0.4 | -0.3 | 0.0 | -0.1 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.4 | 6.7 | 21.9 |
| 1998 | 27.8 | 33.9 | 7.7 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 10.6 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | 3.7 | 0.0 |
| 2001 | 0.0 | 0.0 | 16.1 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 72.2 | -1707.1 | -1417.7 | -656.9 |
| 2002 | -35.7 | 20.9 | -0.1 | 0.0 | -0.3 | -0.2 | -0.1 | -0.2 | 41.7 | 24.5 | 38.2 | 28.9 |
| 2003 | 7.3 | 17.8 | 5.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -528.5 | -142.5 | 6.7 |
| Average | -0.2 | 28.3 | 14.7 | 11.1 | -15.2 | -7.2 | 1.2 | 8.8 | 11.9 | -325.4 | -407.9 | -175.6 |
| Critical | 3.7 | 67.2 | 50.6 | 39.2 | 15.4 | 16.6 | 8.6 | 20.9 | 32.7 | -1128.5 | -1221.3 | -580.5 |
| Dry | -4.4 | 29.3 | 9.5 | 16.3 | 18.3 | 6.0 | 5.8 | 24.7 | 55.9 | -439.1 | -865.0 | -322.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -13.0 | 30.0 | 10.0 | 0.5 | -87.9 | -55.8 | -9.6 | 0.7 | -26.8 | -93.7 | -22.9 | 1.1 |
| Wet | 5.6 | 10.6 | 2.2 | 0.2 | -15.8 | -4.8 | 0.1 | 0.0 | 0.0 | 2.6 | 0.7 | 1.7 |

Long-Term Water Transfers
Final EIS/EIR

Table 4-3. OMR flow (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 3.7 | 14.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.1 | 8.6 | 41.1 | 25.3 |
| 1977 | 1.4 | -2.1 | -1.6 | -1.5 | -2.3 | -3.8 | -3.7 | -1.7 | -0.2 | 56.5 | 15.3 | 11.3 |
| 1978 | 1.2 | -2.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | 0.0 | 0.0 | 0.0 | -24.0 | -4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.1 | 13.0 | 3.3 |
| 1982 | -0.9 | -0.2 | 0.0 | -0.1 | 4.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 | -0.2 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.0 | -3.7 | -2.5 | 16.6 | 53.1 | 19.5 |
| 1988 | 0.4 | -2.3 | -0.4 | 0.0 | 0.0 | -5.3 | -1.4 | -5.1 | -2.8 | 35.5 | 36.2 | 17.6 |
| 1989 | -0.3 | -2.9 | -0.5 | -1.8 | -4.0 | -1.6 | 0.0 | -5.5 | -2.4 | -0.2 | 5.9 | 1.4 |
| 1990 | -1.1 | -1.7 | -2.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 20.8 | 12.1 |
| 1991 | 0.2 | -3.2 | -3.0 | -8.4 | -1.6 | 0.0 | 0.0 | 0.0 | -2.3 | 18.1 | 16.7 | 10.3 |
| 1992 | -0.6 | -2.9 | -4.0 | -3.1 | -1.2 | 0.0 | 0.0 | -5.1 | -3.9 | 28.7 | 25.0 | 9.7 |
| 1993 | 2.3 | -3.1 | -0.6 | 0.0 | 0.0 | 0.0 | 0.1 | -7.7 | 4.1 | 0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 22.8 | 12.1 |
| 1995 | 1.1 | -1.8 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | -0.2 |
| 1998 | -0.4 | -0.7 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.5 | 27.3 | 30.7 | 13.8 |
| 2002 | 0.8 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.2 | -0.5 | -0.3 |
| 2003 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.3 | -0.1 |
| Average | 0.1 | -0.7 | -0.4 | -0.5 | -0.9 | -0.3 | 0.2 | -0.8 | -0.4 | 6.5 | 8.3 | 4.0 |
| Critical | 0.0 | -1.7 | -1.6 | -1.9 | -0.7 | -1.3 | -0.7 | -1.8 | -1.3 | 24.6 | 25.4 | 14.0 |
| Dry | 0.1 | -0.6 | -0.1 | -0.3 | -0.7 | -0.3 | -0.5 | -1.5 | -1.7 | 7.2 | 17.0 | 6.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.5 | -0.9 | -0.2 | 0.0 | -4.0 | -0.1 | 2.5 | -1.2 | 0.7 | 1.0 | 0.2 | 0.0 |
| Wet | 0.0 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 4-4. OMR flow (cfs) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-----|-----|-----|--------|-------|------|------|--------|---------|---------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -692.0 | -863.7 | -447.6 |
| 1977 | -71.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | -775.1 | -484.4 | -262.0 |
| 1978 | -48.4 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -3.1 | 268.6 | -687.0 | 73.1 |
| 1982 | 89.1 | 0.0 | 0.3 | 2.9 | -205.4 | -61.8 | 1.7 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -489.9 | -1028.8 | -509.1 |
| 1988 | -71.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -920.2 | -627.3 | -346.6 |
| 1989 | -66.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.2 | -0.2 | 0.0 | 32.7 | -187.2 | -35.9 |
| 1990 | 7.2 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | -0.1 | 0.1 | -948.7 | -602.3 | -307.9 |
| 1991 | -58.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -774.1 | -497.1 | -255.0 |
| 1992 | -48.4 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | -3.7 | -1039.1 | -632.8 | -259.3 |
| 1993 | -46.3 | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 | -0.1 | 3.0 | -160.6 | -47.3 | 1.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 165.4 | -891.5 | -435.4 |
| 1995 | -39.8 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | 0.2 | -0.1 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -3.2 | -1160.0 | -734.4 | -359.3 |
| 2002 | -67.9 | 0.0 | 0.0 | 0.2 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -234.6 | 107.2 | 114.9 |
| Average | -12.4 | 0.0 | 0.0 | 0.1 | -6.1 | -1.8 | 0.0 | 0.1 | -5.0 | -194.5 | -209.7 | -89.1 |
| Critical | -34.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | -711.9 | -657.0 | -330.5 |
| Dry | -22.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -224.8 | -439.6 | -138.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -15.8 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.5 | -26.8 | -47.0 | 18.0 | 19.1 |
| Wet | 3.8 | 0.0 | 0.0 | 0.2 | -15.8 | -4.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 4-5. OMR flow (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|-----|------|-----|-----|-----|------|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 18.5 | 12.1 |
| 1977 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.1 | 9.6 | 7.3 |
| 1978 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -2.7 | 7.6 | -0.9 |
| 1982 | -1.2 | 0.0 | 0.0 | -0.1 | 4.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 26.9 | 11.0 |
| 1988 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.8 | 19.1 | 10.9 |
| 1989 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 1.8 | 0.4 |
| 1990 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 12.3 | 7.4 |
| 1991 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 10.2 | 6.8 |
| 1992 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 19.2 | 13.7 | 5.8 |
| 1993 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.9 | 4.1 | 0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.8 | 12.0 | 6.2 |
| 1995 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 18.5 | 15.9 | 7.6 |
| 2002 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | -1.0 | -1.2 |
| Average | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.2 | 0.1 | 4.0 | 4.3 | 2.2 |
| Critical | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 13.6 | 8.1 |
| Dry | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 8.7 | 3.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.7 | 0.5 | -0.2 | -0.2 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 4-6. OMR flow (cfs) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|------|--------|--------|-------|------|--------|---------|---------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | -0.1 | 2.6 | -186.2 | -56.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.6 | -729.0 | -1045.4 | -515.7 |
| 1977 | -7.9 | 78.3 | 66.0 | 63.8 | 58.7 | 55.1 | 42.4 | 18.6 | 2.9 | -606.4 | -372.8 | -178.8 |
| 1978 | 14.7 | 66.1 | 15.5 | 0.0 | -0.3 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 8.9 | 2.7 | 0.0 | 0.0 | -529.0 | -148.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 10.2 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 | 10.6 | -1153.1 | -263.5 |
| 1982 | 72.0 | 14.5 | 0.2 | 2.9 | -205.4 | -61.8 | 1.7 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 2.7 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 3.5 | 0.0 | 7.4 | 11.0 | 11.1 | 9.2 |
| 1986 | 8.3 | 8.4 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 6.6 | 8.3 | 1.8 | 0.0 | 0.0 | 31.7 | 60.0 | 82.1 | -725.7 | -1349.3 | -573.9 |
| 1988 | 24.4 | 98.2 | 20.6 | 0.0 | -0.1 | 61.7 | 18.1 | 47.2 | 34.6 | -1187.9 | -697.5 | -309.5 |
| 1989 | 51.5 | 137.8 | 29.7 | 91.2 | 110.0 | 24.5 | -0.4 | 88.2 | 104.8 | 22.2 | -614.6 | -138.3 |
| 1990 | 85.9 | 88.9 | 78.4 | 17.0 | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 | -967.7 | -595.1 | -271.1 |
| 1991 | 36.1 | 106.5 | 88.5 | 94.5 | 25.9 | 0.0 | -0.3 | 0.0 | 71.8 | -613.9 | -406.1 | -163.2 |
| 1992 | 62.7 | 98.2 | 101.0 | 99.2 | 23.5 | -0.3 | 0.0 | 75.2 | 118.3 | -1015.7 | -754.9 | -229.1 |
| 1993 | -28.0 | 93.7 | 28.7 | -0.1 | -0.5 | -0.6 | -0.7 | 2.9 | -160.9 | -47.5 | 1.1 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.5 | -884.1 | -454.8 |
| 1995 | 6.3 | 80.9 | 19.0 | 0.1 | -0.4 | -0.3 | 0.0 | -0.1 | 0.1 | -0.1 | -0.1 | -0.1 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.4 | 6.7 | 21.9 |
| 1998 | 27.8 | 33.9 | 7.7 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 10.6 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | 3.7 | 0.0 |
| 2001 | 0.0 | 0.0 | 16.1 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 72.2 | -1325.9 | -810.5 | -356.7 |
| 2002 | 8.7 | 20.9 | -0.1 | 0.0 | -0.3 | -0.2 | -0.1 | -0.2 | 41.7 | 24.5 | 38.2 | 28.9 |
| 2003 | 7.3 | 17.8 | 5.2 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -528.5 | -142.5 | 6.7 |
| Average | 11.1 | 28.3 | 14.7 | 11.1 | -15.2 | -7.2 | 1.2 | 8.8 | 11.9 | -224.5 | -257.7 | -99.7 |
| Critical | 28.8 | 67.2 | 50.6 | 39.2 | 15.4 | 16.6 | 8.6 | 20.9 | 32.7 | -731.5 | -679.4 | -303.2 |
| Dry | 10.0 | 29.3 | 9.5 | 16.3 | 18.3 | 6.0 | 5.8 | 24.7 | 55.9 | -330.6 | -646.4 | -215.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.5 | 30.0 | 10.0 | 0.5 | -87.9 | -55.8 | -9.6 | 0.7 | -26.8 | -93.7 | -22.9 | 1.1 |
| Wet | 8.8 | 10.6 | 2.2 | 0.2 | -15.8 | -4.8 | 0.1 | 0.0 | 0.0 | 2.6 | 0.7 | 1.7 |

Long-Term Water Transfers
Final EIS/EIR

Table 4-7. OMR flow (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 3.7 | 14.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.1 | 8.8 | 22.4 | 14.0 |
| 1977 | 0.2 | -2.1 | -1.6 | -1.5 | -2.3 | -3.8 | -3.7 | -1.7 | -0.2 | 28.2 | 7.4 | 5.0 |
| 1978 | -0.6 | -2.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | 0.0 | 0.0 | 0.0 | -24.0 | -4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | -0.1 | 12.7 | 3.1 |
| 1982 | -0.9 | -0.2 | 0.0 | -0.1 | 4.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.3 | 0.0 | -0.2 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.0 | -3.7 | -2.5 | 12.1 | 35.3 | 12.4 |
| 1988 | -0.5 | -2.3 | -0.4 | 0.0 | 0.0 | -5.3 | -1.4 | -5.1 | -2.8 | 25.6 | 21.3 | 9.7 |
| 1989 | -1.5 | -2.9 | -0.5 | -1.8 | -4.0 | -1.6 | 0.0 | -5.5 | -2.4 | -0.2 | 5.9 | 1.4 |
| 1990 | -1.1 | -1.7 | -2.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.1 | 12.1 | 6.5 |
| 1991 | -1.1 | -3.2 | -3.0 | -8.4 | -1.6 | 0.0 | 0.0 | 0.0 | -2.3 | 9.1 | 8.3 | 4.3 |
| 1992 | -1.8 | -2.9 | -4.0 | -3.1 | -1.2 | 0.0 | 0.0 | -5.1 | -3.9 | 18.7 | 16.3 | 5.1 |
| 1993 | 1.0 | -3.1 | -0.6 | 0.0 | 0.0 | 0.0 | 0.1 | -7.7 | 4.1 | 0.5 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 6.5 |
| 1995 | -0.2 | -1.8 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | -0.2 |
| 1998 | -0.4 | -0.7 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -2.5 | 21.2 | 17.5 | 7.5 |
| 2002 | -0.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | -0.2 | -0.5 | -0.3 |
| 2003 | -0.1 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.3 | -0.1 |
| Average | -0.2 | -0.7 | -0.4 | -0.5 | -0.9 | -0.3 | 0.2 | -0.8 | -0.4 | 4.2 | 5.1 | 2.2 |
| Critical | -0.6 | -1.7 | -1.6 | -1.9 | -0.7 | -1.3 | -0.7 | -1.8 | -1.3 | 15.1 | 14.3 | 7.3 |
| Dry | -0.3 | -0.6 | -0.1 | -0.3 | -0.7 | -0.3 | -0.5 | -1.5 | -1.7 | 5.4 | 11.8 | 4.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.9 | -0.2 | 0.0 | -4.0 | -0.1 | 2.5 | -1.2 | 0.7 | 1.0 | 0.2 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.1.5 Boundary Conditions: Sacramento and San Joaquin River Inflows, Net Delta Outflow (NDO) and San Joaquin River Salinity (EC)

See the text in Appendix C for details on the boundary conditions for the Base and the Alternatives 2- 4.

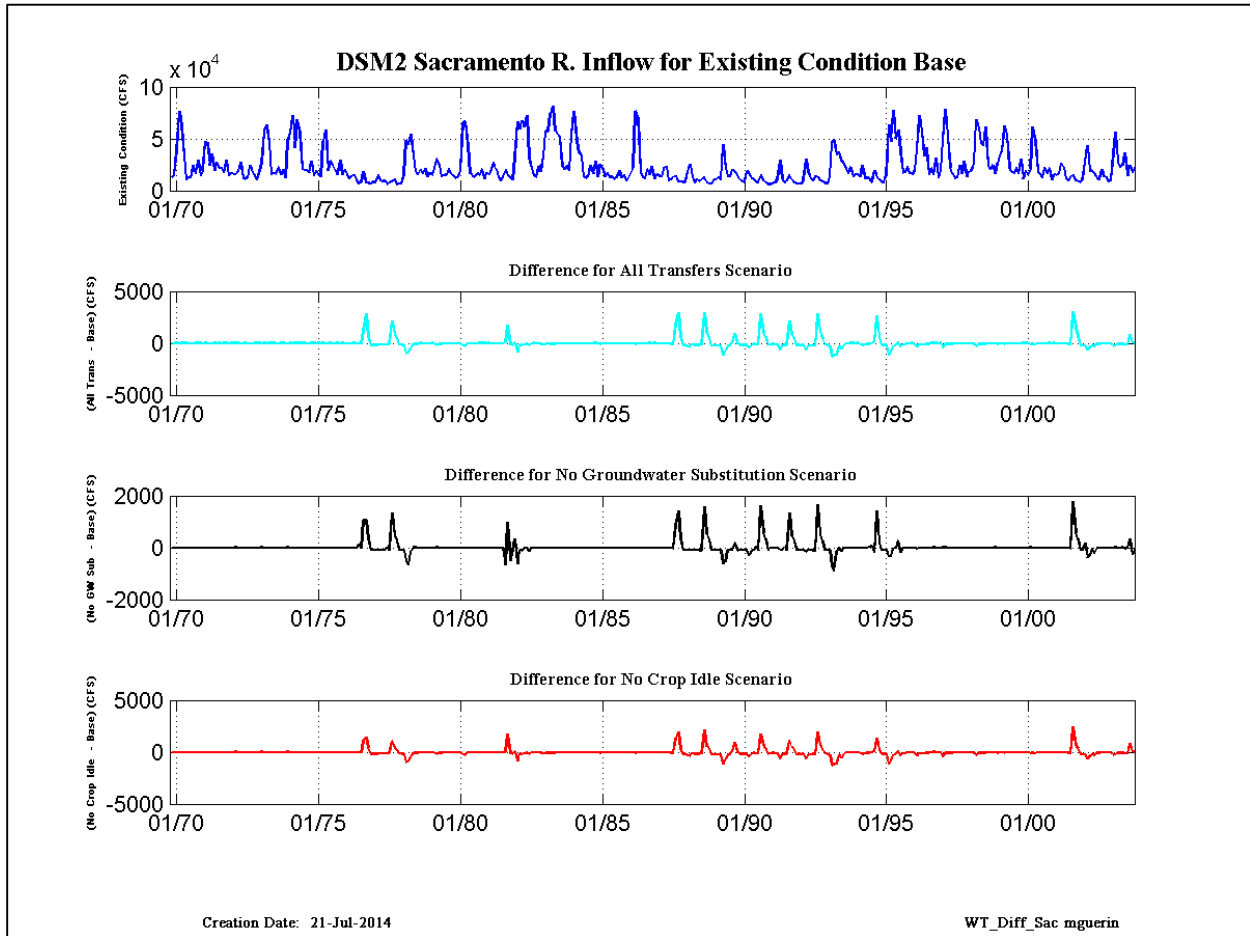


Figure 5-1. Sacramento R. Inflow for the Base condition and change from Base for the scenarios.

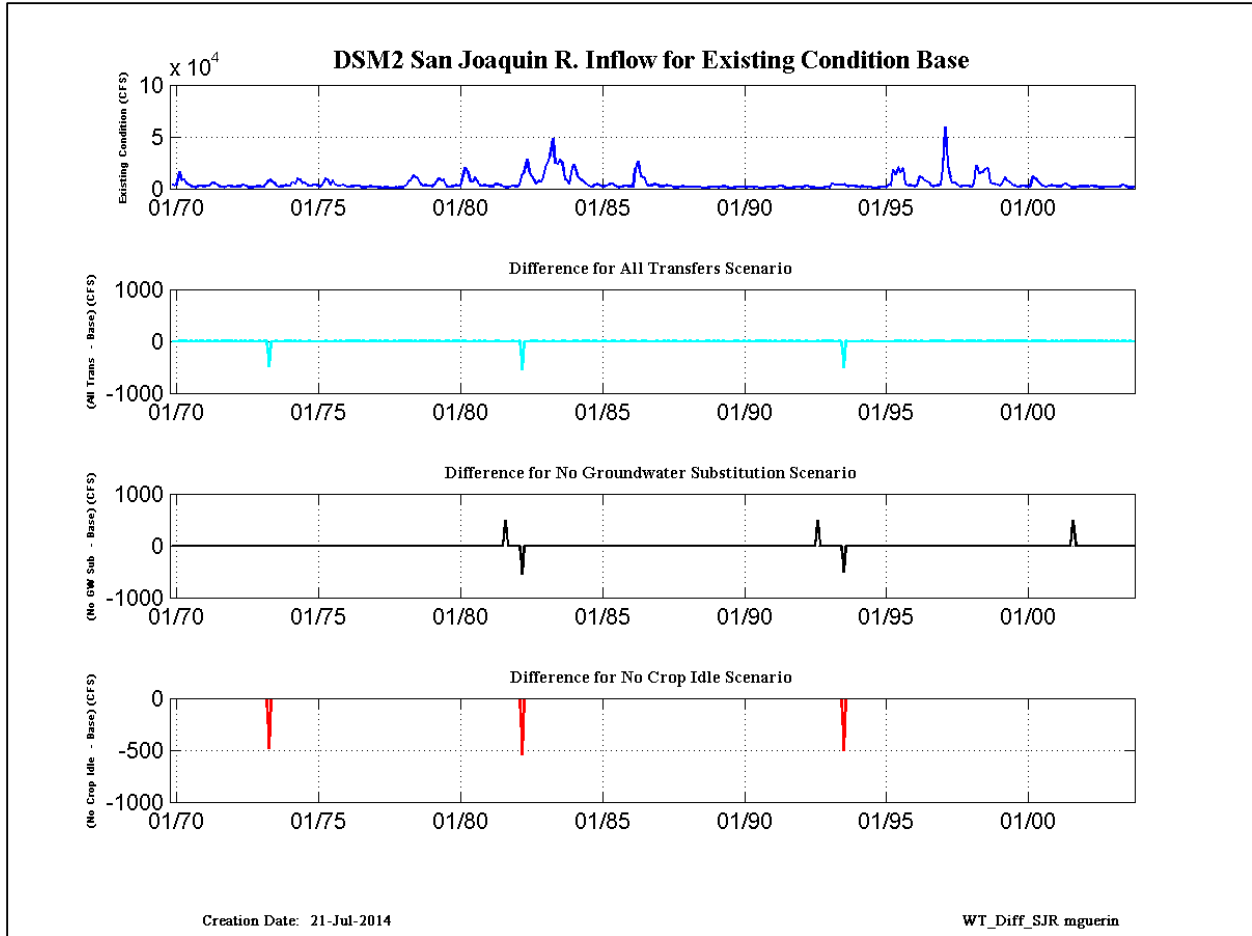


Figure 5-2. San Joaquin R. Inflow for Existing Base condition and change from Base for the scenarios.

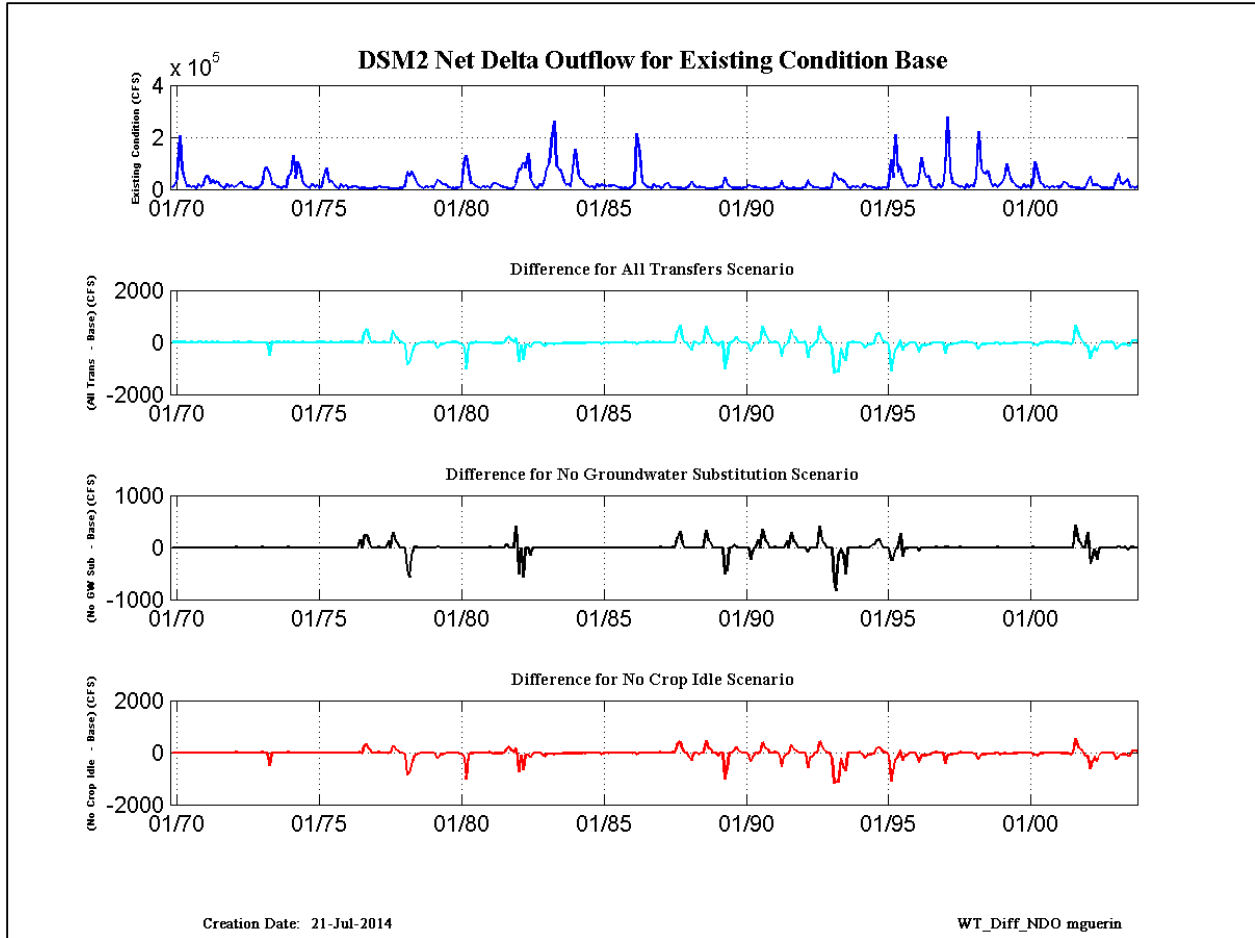


Figure 5-3. Net Delta Outflow for the Base condition and change from Base for the scenarios.

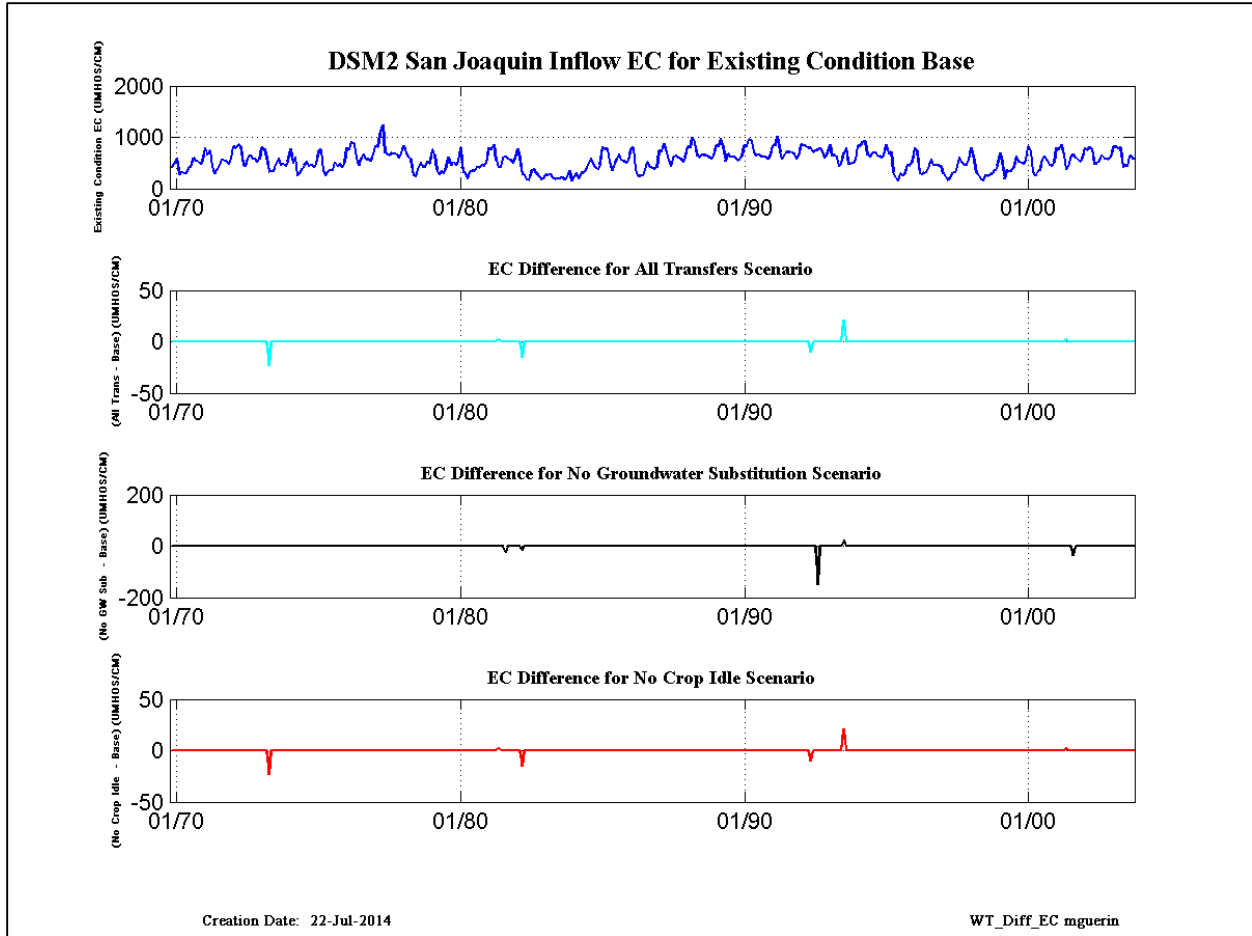


Figure 5-4. San Joaquin Inflow EC for Existing Base condition and change from Base for the scenarios.

Table 5-1. Sacramento River Base inflow (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1970 | 13169.5 | 15030.2 | 38985.0 | 76879.2 | 62925.7 | 33571.0 | 10845.8 | 12666.5 | 12895.4 | 24931.4 | 16762.8 | 29447.9 |
| 1971 | 14275.5 | 19579.5 | 47365.8 | 46356.4 | 24724.1 | 35936.3 | 19847.8 | 27399.0 | 21674.7 | 22450.3 | 17237.0 | 29804.6 |
| 1972 | 14594.1 | 16600.6 | 15651.7 | 16005.6 | 18971.6 | 27881.1 | 12105.4 | 11262.7 | 12598.4 | 24038.4 | 17049.0 | 14766.6 |
| 1973 | 10333.5 | 19133.7 | 26101.3 | 57692.8 | 63491.4 | 46989.9 | 15637.7 | 17111.0 | 16064.0 | 22844.1 | 15510.7 | 20364.8 |
| 1974 | 12939.5 | 48514.3 | 56875.6 | 72508.5 | 41804.7 | 68080.6 | 56314.9 | 20618.7 | 19493.6 | 19869.4 | 17033.3 | 28981.7 |
| 1975 | 14553.8 | 19396.1 | 14925.0 | 13471.1 | 47130.9 | 58710.3 | 19978.5 | 28823.8 | 24536.4 | 19542.2 | 15205.9 | 29588.1 |
| 1976 | 15513.8 | 20084.5 | 15568.1 | 11434.5 | 14117.3 | 15159.8 | 10294.9 | 6564.6 | 8290.0 | 18343.1 | 7883.3 | 7168.6 |
| 1977 | 6745.2 | 8287.5 | 8493.3 | 14841.8 | 9657.7 | 9027.2 | 9289.1 | 6067.2 | 8007.1 | 9026.5 | 10821.0 | 6283.0 |
| 1978 | 6502.4 | 6568.4 | 15571.1 | 48628.7 | 44316.3 | 54508.5 | 33667.7 | 18061.9 | 15802.4 | 20196.7 | 16452.4 | 21580.3 |
| 1979 | 13542.1 | 16845.2 | 15341.0 | 21552.7 | 30939.3 | 24900.8 | 13885.9 | 14651.4 | 15343.1 | 20830.1 | 16020.5 | 13708.0 |
| 1980 | 11735.6 | 13714.7 | 19535.9 | 65995.4 | 66815.8 | 43319.9 | 16875.5 | 14379.9 | 13196.2 | 16050.3 | 15327.8 | 20849.9 |
| 1981 | 11976.7 | 16798.8 | 15584.5 | 20930.6 | 26922.2 | 20299.5 | 13243.5 | 9847.9 | 13671.8 | 20224.2 | 14425.6 | 12327.3 |
| 1982 | 10918.3 | 32589.5 | 66283.2 | 59017.6 | 67544.7 | 61335.8 | 12176.4 | 31567.9 | 21052.5 | 14691.5 | 13190.1 | 23191.1 |
| 1983 | 18851.4 | 33898.4 | 57243.7 | 57365.0 | 74553.6 | 81218.2 | 57054.8 | 54471.4 | 51762.9 | 23527.8 | 20390.6 | 23971.6 |
| 1984 | 19106.7 | 54919.0 | 76014.2 | 47229.0 | 36617.4 | 33804.6 | 13671.3 | 12395.7 | 13962.0 | 24194.7 | 16007.0 | 28412.7 |
| 1985 | 13116.1 | 25317.3 | 21459.9 | 13844.3 | 17498.8 | 13270.5 | 13046.1 | 11392.1 | 12783.6 | 19935.3 | 12823.7 | 14777.7 |
| 1986 | 9142.0 | 12206.1 | 17131.2 | 22628.1 | 76672.5 | 70719.9 | 17937.1 | 12683.2 | 11561.2 | 20934.2 | 15431.6 | 23829.3 |
| 1987 | 11474.7 | 15878.4 | 14044.9 | 13795.9 | 21956.0 | 23028.4 | 9759.0 | 10535.8 | 13465.5 | 14450.3 | 8665.8 | 8871.2 |
| 1988 | 8066.7 | 8118.1 | 18384.8 | 25699.3 | 13287.3 | 7598.0 | 11017.1 | 8974.5 | 10928.5 | 12744.7 | 8109.0 | 7024.3 |
| 1989 | 6495.4 | 10332.1 | 10684.9 | 12811.6 | 10178.0 | 44407.4 | 21194.7 | 14106.6 | 13945.1 | 20458.9 | 17722.5 | 15124.2 |
| 1990 | 11069.6 | 8833.8 | 8332.8 | 18898.9 | 16052.6 | 12340.7 | 11295.6 | 8140.3 | 8134.6 | 15096.8 | 9890.9 | 7734.0 |
| 1991 | 6308.1 | 6374.6 | 7342.9 | 7575.1 | 10520.4 | 29303.4 | 11868.6 | 7820.9 | 9823.1 | 14728.1 | 10043.5 | 7531.9 |
| 1992 | 6656.3 | 6784.1 | 6929.7 | 10692.7 | 30330.1 | 18736.3 | 11534.3 | 9091.9 | 13553.7 | 12968.0 | 9805.5 | 8789.4 |
| 1993 | 7318.7 | 6683.3 | 13435.0 | 46916.1 | 48160.4 | 34709.9 | 37159.0 | 28605.1 | 25741.2 | 21467.4 | 16654.5 | 22924.9 |
| 1994 | 13623.7 | 16004.0 | 15481.7 | 13085.1 | 24379.4 | 11849.4 | 12836.6 | 10303.5 | 8336.6 | 19528.4 | 12459.7 | 11452.6 |
| 1995 | 8049.6 | 8315.8 | 15311.7 | 63795.5 | 47429.8 | 77273.3 | 50128.1 | 58571.8 | 37893.7 | 17181.4 | 17824.0 | 23602.4 |
| 1996 | 16878.4 | 15916.5 | 19772.0 | 40451.0 | 72313.1 | 57238.6 | 33302.4 | 41069.9 | 15240.3 | 21657.7 | 15847.5 | 31452.8 |
| 1997 | 12850.3 | 19289.7 | 49630.3 | 78330.0 | 52800.7 | 22177.8 | 16219.0 | 12429.2 | 12867.7 | 24525.7 | 16157.0 | 28814.4 |
| 1998 | 13079.6 | 18351.9 | 19346.2 | 26948.0 | 68021.1 | 60584.4 | 45597.2 | 43198.1 | 61417.2 | 23080.1 | 20056.5 | 24560.6 |
| 1999 | 16002.5 | 26617.5 | 33436.6 | 38835.1 | 62496.5 | 53344.8 | 22898.0 | 18412.5 | 16896.0 | 21883.1 | 16097.1 | 30087.1 |
| 2000 | 11909.9 | 19359.6 | 15029.2 | 21584.9 | 61207.3 | 47814.4 | 18229.8 | 15990.3 | 12961.1 | 22452.3 | 16925.5 | 21912.9 |
| 2001 | 10622.2 | 15674.7 | 14871.5 | 16534.5 | 26400.9 | 22373.9 | 11647.8 | 9239.3 | 13459.7 | 14659.4 | 9709.4 | 8549.0 |
| 2002 | 8122.6 | 10127.9 | 28744.8 | 43310.3 | 19020.7 | 19285.1 | 16565.0 | 12021.7 | 10818.3 | 20639.9 | 13591.0 | 12587.5 |
| 2003 | 8581.7 | 10299.0 | 36296.7 | 56676.5 | 27324.9 | 22303.7 | 24558.4 | 36943.2 | 14407.2 | 24534.2 | 17315.0 | 22225.8 |
| Average | 11591.9 | 17719.0 | 25153.1 | 35362.4 | 39311.3 | 37150.1 | 22696.6 | 19277.0 | 17429.0 | 19520.2 | 14542.5 | 18909.6 |
| Critical | 9711.9 | 10640.9 | 11504.8 | 14603.9 | 16906.4 | 14859.3 | 11162.3 | 8137.5 | 9581.9 | 14633.7 | 9859.0 | 7997.7 |
| Dry | 10301.3 | 15688.2 | 17565.1 | 20204.5 | 20329.4 | 23777.5 | 14242.7 | 11190.6 | 13024.0 | 18394.7 | 12823.0 | 12039.5 |
| BN | 14068.1 | 16722.9 | 15496.3 | 18779.1 | 24955.4 | 26391.0 | 12995.6 | 12957.0 | 13970.7 | 22434.3 | 16534.8 | 14237.3 |
| AN | 9397.0 | 12626.5 | 20994.8 | 49582.4 | 51886.0 | 41607.7 | 24354.7 | 21848.6 | 16362.0 | 21257.5 | 16364.3 | 21643.1 |
| Wet | 13832.1 | 24971.1 | 39409.3 | 49524.2 | 56541.1 | 54922.7 | 33536.3 | 28792.9 | 24711.8 | 21420.7 | 16710.8 | 27413.3 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-2. San Joaquin River Base inflow (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 1970 | 3768.2 | 2936.4 | 3586.4 | 16926.6 | 8289.8 | 8768.7 | 5357.9 | 3585.1 | 2204.6 | 1761.4 | 1456.6 | 2037.4 |
| 1971 | 2847.6 | 2207.8 | 2077.1 | 2733.9 | 2821.6 | 5836.3 | 5489.7 | 4008.9 | 2341.4 | 1544.6 | 1417.8 | 1861.5 |
| 1972 | 2924.9 | 2058.9 | 1938.2 | 1573.8 | 2230.1 | 2234.7 | 3769.2 | 2932.7 | 1486.4 | 1199.0 | 1320.9 | 1604.4 |
| 1973 | 2286.3 | 2195.7 | 1935.2 | 2176.9 | 4981.5 | 8475.8 | 7146.1 | 5654.0 | 2685.7 | 1879.3 | 2418.0 | 2497.5 |
| 1974 | 3284.7 | 2581.8 | 3403.9 | 6480.1 | 4095.8 | 9057.5 | 8575.9 | 5164.3 | 5551.4 | 3388.1 | 2713.8 | 2788.4 |
| 1975 | 3602.3 | 3053.1 | 2450.1 | 2291.2 | 5840.3 | 9579.7 | 7376.5 | 3711.5 | 8129.2 | 3713.7 | 2792.5 | 2578.6 |
| 1976 | 3484.5 | 2781.3 | 1995.0 | 1990.9 | 2230.6 | 2355.0 | 2899.8 | 2589.0 | 1290.4 | 1124.0 | 1455.5 | 1619.1 |
| 1977 | 2084.7 | 1607.9 | 1500.6 | 1468.1 | 1412.9 | 872.2 | 1154.7 | 1419.7 | 698.1 | 618.4 | 695.6 | 1013.3 |
| 1978 | 1434.9 | 1460.6 | 1475.5 | 3053.5 | 6647.6 | 8137.9 | 12698.4 | 11108.7 | 10231.5 | 4243.7 | 2783.6 | 3275.7 |
| 1979 | 2552.3 | 2952.7 | 2326.6 | 3982.2 | 6950.8 | 9748.7 | 7763.4 | 8020.5 | 2028.8 | 1608.8 | 2452.4 | 2282.7 |
| 1980 | 3151.8 | 2543.7 | 2110.2 | 12875.6 | 20072.9 | 16873.3 | 7388.5 | 6912.1 | 10906.7 | 7286.5 | 3055.8 | 2746.1 |
| 1981 | 3335.6 | 2850.4 | 2017.1 | 2182.5 | 2411.4 | 4248.0 | 4429.0 | 3239.3 | 1581.1 | 1349.2 | 1320.3 | 1737.1 |
| 1982 | 2585.7 | 2139.5 | 2098.1 | 3749.6 | 12819.4 | 15750.1 | 28065.2 | 17966.2 | 11977.8 | 8608.9 | 4699.5 | 7232.5 |
| 1983 | 6774.0 | 11265.6 | 20556.0 | 27494.0 | 32934.1 | 48804.6 | 24500.0 | 23551.5 | 28265.1 | 24539.8 | 9180.6 | 7749.3 |
| 1984 | 4939.3 | 16633.1 | 23670.7 | 14694.0 | 10099.5 | 8292.2 | 6991.7 | 4493.9 | 3000.9 | 1962.5 | 2287.8 | 3605.6 |
| 1985 | 4267.1 | 3050.4 | 1903.6 | 2214.9 | 2981.0 | 4255.5 | 4819.7 | 3328.5 | 1628.2 | 1357.5 | 1616.8 | 2060.8 |
| 1986 | 2665.3 | 2419.3 | 2079.8 | 1845.6 | 19484.7 | 26225.5 | 12084.3 | 10712.5 | 9568.0 | 3063.4 | 2887.0 | 3434.2 |
| 1987 | 4034.1 | 3487.6 | 2142.4 | 2017.2 | 2162.6 | 3202.4 | 2802.8 | 2523.1 | 1310.0 | 1028.5 | 1243.1 | 1691.5 |
| 1988 | 2241.1 | 1938.8 | 1634.5 | 1627.8 | 1676.4 | 1758.2 | 1941.6 | 1694.1 | 986.3 | 724.1 | 932.6 | 1411.8 |
| 1989 | 1517.4 | 1744.8 | 1558.4 | 1446.6 | 1802.0 | 2121.7 | 2267.2 | 1399.5 | 941.0 | 832.4 | 1069.8 | 1808.7 |
| 1990 | 1852.0 | 1802.4 | 1508.7 | 1404.4 | 1839.9 | 1685.1 | 1212.3 | 1604.7 | 861.6 | 701.9 | 888.7 | 1376.7 |
| 1991 | 1800.3 | 1858.9 | 1396.4 | 1241.9 | 1552.3 | 3094.3 | 2053.6 | 1470.9 | 840.4 | 669.8 | 774.7 | 1066.4 |
| 1992 | 1638.7 | 1692.9 | 1288.3 | 1196.3 | 2610.9 | 2260.2 | 1256.1 | 1128.0 | 537.2 | 465.8 | 528.5 | 929.8 |
| 1993 | 1389.8 | 1500.6 | 1369.7 | 4671.8 | 3769.2 | 3840.3 | 3650.7 | 3617.4 | 4375.1 | 2587.8 | 2233.3 | 2568.3 |
| 1994 | 2674.2 | 2309.4 | 1637.5 | 1437.5 | 2120.8 | 1864.0 | 1438.9 | 1842.1 | 931.6 | 738.0 | 831.2 | 1214.1 |
| 1995 | 1580.5 | 1666.1 | 1335.4 | 3669.2 | 3160.3 | 18105.3 | 13322.5 | 20874.7 | 15410.6 | 19518.4 | 4737.5 | 2784.0 |
| 1996 | 3188.6 | 2690.5 | 2087.7 | 2699.3 | 11657.4 | 11004.8 | 8245.0 | 7120.1 | 5628.2 | 2572.5 | 2475.6 | 2671.8 |
| 1997 | 3140.8 | 3506.0 | 20158.9 | 59665.2 | 23357.5 | 11036.3 | 5500.8 | 6373.0 | 3890.7 | 1721.8 | 2302.6 | 2872.0 |
| 1998 | 2999.0 | 2154.6 | 1986.5 | 4970.9 | 22897.5 | 15256.5 | 15489.5 | 16158.1 | 18923.2 | 19964.7 | 5513.6 | 4981.8 |
| 1999 | 4466.2 | 3499.9 | 2871.8 | 5106.5 | 11331.2 | 7556.8 | 6982.8 | 4317.9 | 3421.8 | 1702.9 | 1887.6 | 2360.9 |
| 2000 | 2816.7 | 2278.9 | 1662.4 | 2257.2 | 11533.0 | 9676.8 | 6917.6 | 5094.9 | 2731.7 | 1566.5 | 1820.2 | 2871.0 |
| 2001 | 3380.6 | 2625.3 | 2119.9 | 2258.2 | 2392.7 | 3841.0 | 4839.5 | 2973.6 | 1478.6 | 1095.8 | 1311.7 | 1806.0 |
| 2002 | 2238.8 | 2042.6 | 2024.5 | 2414.6 | 1915.9 | 2592.7 | 2467.8 | 2213.1 | 1165.7 | 1016.7 | 1241.5 | 1663.7 |
| 2003 | 1824.1 | 1823.5 | 1825.7 | 1664.0 | 1812.6 | 2363.5 | 3737.7 | 2741.8 | 1226.5 | 1148.7 | 1359.2 | 1692.7 |
| | | | | | | | | | | | | |
| Average | 2905.1 | 3040.0 | 3698.0 | 6102.4 | 7467.5 | 8552.2 | 6901.1 | 5927.8 | 4948.1 | 3744.3 | 2226.6 | 2526.3 |
| Critical | 2253.7 | 1998.8 | 1565.8 | 1481.0 | 1920.5 | 1984.2 | 1708.1 | 1678.4 | 877.9 | 720.3 | 872.4 | 1233.0 |
| Dry | 3128.9 | 2633.5 | 1961.0 | 2089.0 | 2277.6 | 3376.9 | 3604.3 | 2612.8 | 1350.8 | 1113.3 | 1300.5 | 1794.6 |
| BN | 2738.6 | 2505.8 | 2132.4 | 2778.0 | 4590.4 | 5991.7 | 5766.3 | 5476.6 | 1757.6 | 1403.9 | 1886.7 | 1943.6 |
| AN | 2150.6 | 1967.2 | 1729.8 | 4449.8 | 8136.1 | 8227.9 | 6923.2 | 5854.8 | 5359.5 | 3118.7 | 2278.3 | 2608.5 |
| Wet | 3526.3 | 4365.7 | 6797.1 | 11717.4 | 12983.8 | 15021.1 | 11383.2 | 9849.1 | 9101.0 | 7235.6 | 3411.7 | 3612.2 |

Table 5-3. Net Delta Outflow (cfs) Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|---------|---------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| 1970 | 7187.5 | 14640.8 | 42013.9 | 207621.7 | 77822.7 | 36548.8 | 13527.3 | 12532.2 | 7627.6 | 11076.4 | 4000.0 | 18437.5 |
| 1971 | 8437.5 | 15312.5 | 49917.8 | 48106.2 | 21508.4 | 37066.9 | 23384.3 | 29218.7 | 15234.4 | 8000.0 | 4000.0 | 19062.5 |
| 1972 | 8281.3 | 14591.1 | 6675.5 | 11909.4 | 18112.6 | 26002.5 | 12957.0 | 10053.1 | 6447.5 | 8880.9 | 4000.0 | 4192.2 |
| 1973 | 4000.0 | 11709.2 | 22091.2 | 80437.1 | 83604.2 | 56514.9 | 20261.8 | 19386.2 | 9382.9 | 8805.8 | 4000.0 | 11718.8 |
| 1974 | 6250.0 | 51476.8 | 58150.2 | 131491.9 | 40998.5 | 107783.3 | 69890.1 | 23550.8 | 15124.5 | 8000.0 | 5228.1 | 18906.3 |
| 1975 | 8125.0 | 14572.7 | 5352.6 | 9527.8 | 53868.6 | 83609.1 | 26862.2 | 30682.7 | 21480.5 | 8000.0 | 4000.0 | 19687.5 |
| 1976 | 8125.0 | 15937.5 | 5031.6 | 7008.7 | 9542.0 | 10771.1 | 9298.9 | 4000.0 | 4576.3 | 4755.4 | 3884.8 | 3000.0 |
| 1977 | 3000.0 | 4674.6 | 3500.0 | 10872.0 | 7521.4 | 7238.7 | 7100.0 | 4024.8 | 4000.0 | 4000.0 | 3368.9 | 3000.0 |
| 1978 | 4371.6 | 3500.0 | 11387.3 | 67380.2 | 51430.8 | 67829.5 | 46888.4 | 24774.3 | 13190.1 | 8000.0 | 4000.0 | 11562.5 |
| 1979 | 5937.5 | 10625.0 | 5056.7 | 21612.8 | 35577.7 | 27540.7 | 19555.2 | 19587.7 | 8150.0 | 6500.0 | 4086.6 | 3619.6 |
| 1980 | 4136.9 | 8004.0 | 10839.4 | 100182.6 | 130651.5 | 62796.1 | 21972.3 | 18834.8 | 12363.5 | 8000.0 | 4000.0 | 11562.5 |
| 1981 | 6250.0 | 10312.5 | 5145.4 | 19334.2 | 22884.2 | 19634.9 | 14190.8 | 8977.1 | 7100.0 | 5000.0 | 3996.8 | 3076.6 |
| 1982 | 4154.8 | 26104.0 | 79982.5 | 75273.3 | 101687.0 | 82095.6 | 139773.6 | 46361.5 | 20981.8 | 8000.0 | 4000.0 | 19375.0 |
| 1983 | 13461.7 | 39419.4 | 80646.5 | 102986.7 | 182104.6 | 260276.2 | 90337.6 | 76100.2 | 69560.8 | 34113.1 | 16717.0 | 20243.9 |
| 1984 | 11361.2 | 79829.7 | 154668.9 | 63210.5 | 40204.1 | 34662.4 | 18090.3 | 13461.4 | 7700.0 | 10698.3 | 4000.0 | 19062.5 |
| 1985 | 8281.3 | 19246.4 | 12118.9 | 10008.1 | 13889.1 | 12240.8 | 14203.4 | 10270.1 | 6406.3 | 5000.0 | 3791.0 | 4262.8 |
| 1986 | 4000.0 | 4617.0 | 11288.5 | 22623.1 | 214875.9 | 140086.7 | 26443.4 | 19792.2 | 9916.6 | 8000.0 | 4000.0 | 18437.5 |
| 1987 | 8125.0 | 12707.2 | 4619.9 | 9635.3 | 18313.5 | 23224.7 | 9227.1 | 7459.4 | 7100.0 | 5000.0 | 4147.4 | 3000.0 |
| 1988 | 4000.0 | 4500.0 | 13160.4 | 26671.0 | 13525.9 | 6088.3 | 9496.1 | 7100.0 | 7100.0 | 4000.0 | 3889.0 | 3000.0 |
| 1989 | 3000.0 | 5311.3 | 4411.1 | 8412.2 | 8635.7 | 47267.9 | 19653.7 | 11116.1 | 5937.5 | 5051.9 | 5359.5 | 4593.1 |
| 1990 | 4000.0 | 4500.0 | 4500.0 | 14585.4 | 11869.4 | 8990.5 | 9426.7 | 6832.7 | 4000.0 | 4000.0 | 4254.5 | 3000.0 |
| 1991 | 3438.6 | 3500.0 | 4140.6 | 7358.0 | 8748.0 | 33920.7 | 10515.9 | 5636.1 | 4000.0 | 4000.0 | 4409.0 | 3000.0 |
| 1992 | 3327.2 | 3618.3 | 4232.1 | 7538.7 | 35067.8 | 16743.3 | 9787.2 | 5997.6 | 7100.0 | 4000.0 | 3704.3 | 3000.0 |
| 1993 | 4857.6 | 3500.0 | 8379.2 | 63439.0 | 55587.7 | 35078.6 | 39776.0 | 30179.3 | 20923.0 | 8000.0 | 4000.0 | 12343.8 |
| 1994 | 6406.3 | 10312.5 | 5088.2 | 8972.5 | 21936.0 | 8465.7 | 11151.5 | 8677.6 | 4099.7 | 4000.0 | 4044.5 | 3000.0 |
| 1995 | 6342.1 | 3500.0 | 8995.3 | 112539.3 | 45657.8 | 208959.4 | 67780.3 | 87602.4 | 40848.3 | 22236.6 | 9017.5 | 14062.5 |
| 1996 | 11875.0 | 12570.3 | 15759.3 | 44785.6 | 123345.4 | 68296.1 | 46336.4 | 48365.0 | 10900.3 | 8000.0 | 4000.0 | 21250.0 |
| 1997 | 7812.5 | 15625.0 | 73827.6 | 276450.7 | 74642.5 | 22507.6 | 18591.8 | 14870.0 | 6843.4 | 11631.7 | 4000.0 | 18437.5 |
| 1998 | 7812.5 | 15312.5 | 9889.7 | 47972.5 | 220892.1 | 82137.0 | 64070.5 | 59459.6 | 71969.3 | 28161.0 | 11827.5 | 17524.4 |
| 1999 | 8906.3 | 19896.1 | 28686.9 | 40175.6 | 96127.9 | 58523.1 | 30458.2 | 20578.8 | 11277.5 | 8151.2 | 4000.0 | 20000.0 |
| 2000 | 7500.0 | 15398.1 | 4778.1 | 21731.5 | 104608.7 | 61479.6 | 22597.5 | 18264.0 | 6218.8 | 10481.6 | 4000.0 | 11718.8 |
| 2001 | 5781.3 | 10468.8 | 4853.0 | 13157.7 | 26754.6 | 22964.2 | 13236.0 | 8390.1 | 7100.0 | 5000.0 | 4185.0 | 3000.0 |
| 2002 | 4000.0 | 5791.9 | 27774.6 | 48417.2 | 14571.5 | 17226.7 | 16612.9 | 12736.2 | 4849.0 | 5312.3 | 4327.7 | 3000.0 |
| 2003 | 4614.9 | 4500.0 | 36796.8 | 61445.9 | 23945.5 | 18232.7 | 27994.6 | 38807.6 | 6689.2 | 9956.5 | 4000.0 | 11562.5 |
| Average | 6387.1 | 14576.0 | 24228.2 | 53025.7 | 59132.7 | 53317.8 | 29454.4 | 22461.2 | 13711.7 | 8876.8 | 4830.6 | 10726.5 |
| Critical | 4613.9 | 6720.4 | 5664.7 | 11858.1 | 15458.6 | 13174.1 | 9539.5 | 6038.4 | 4982.3 | 4107.9 | 3936.4 | 3000.0 |
| Dry | 5906.3 | 10639.7 | 9820.5 | 18160.8 | 17508.1 | 23759.9 | 14520.7 | 9824.8 | 6415.5 | 5060.7 | 4301.2 | 3488.8 |
| BN | 7109.4 | 12608.1 | 5866.1 | 16761.1 | 26845.1 | 26771.6 | 16256.1 | 14820.4 | 7298.8 | 7690.5 | 4043.3 | 3905.9 |
| AN | 4913.5 | 7768.5 | 15712.0 | 65769.4 | 74971.4 | 50321.9 | 29915.1 | 25041.0 | 11461.3 | 8874.0 | 4000.0 | 11744.8 |
| Wet | 8132.8 | 24067.5 | 47629.2 | 90981.9 | 99518.1 | 94042.5 | 48888.2 | 37121.2 | 23805.0 | 13389.9 | 6060.8 | 18806.7 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-4. San Joaquin River inflow salinity (EC, UMHOS/CM)

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 1970 | 417.0 | 482.0 | 588.0 | 267.0 | 321.0 | 293.0 | 302.0 | 396.0 | 416.0 | 600.0 | 544.0 | 520.0 |
| 1971 | 480.0 | 565.0 | 790.0 | 660.0 | 740.0 | 429.0 | 289.0 | 356.0 | 450.0 | 567.0 | 544.0 | 533.0 |
| 1972 | 482.0 | 590.0 | 812.0 | 797.0 | 854.0 | 816.0 | 471.0 | 438.0 | 589.0 | 640.0 | 576.0 | 580.0 |
| 1973 | 519.0 | 575.0 | 798.0 | 768.0 | 623.0 | 333.0 | 335.0 | 342.0 | 477.0 | 592.0 | 459.0 | 486.0 |
| 1974 | 442.0 | 526.0 | 784.0 | 501.0 | 614.0 | 257.0 | 300.0 | 374.0 | 455.0 | 527.0 | 436.0 | 459.0 |
| 1975 | 424.0 | 472.0 | 746.0 | 754.0 | 360.0 | 254.0 | 330.0 | 360.0 | 369.0 | 514.0 | 426.0 | 476.0 |
| 1976 | 418.0 | 509.0 | 794.0 | 772.0 | 903.0 | 860.0 | 597.0 | 446.0 | 593.0 | 657.0 | 571.0 | 575.0 |
| 1977 | 527.0 | 667.0 | 837.0 | 817.0 | 1068.0 | 1243.0 | 702.0 | 675.0 | 651.0 | 693.0 | 677.0 | 659.0 |
| 1978 | 602.0 | 691.0 | 848.0 | 704.0 | 609.0 | 558.0 | 262.0 | 235.0 | 379.0 | 510.0 | 430.0 | 420.0 |
| 1979 | 517.0 | 490.0 | 765.0 | 652.0 | 366.0 | 278.0 | 337.0 | 295.0 | 432.0 | 612.0 | 457.0 | 509.0 |
| 1980 | 456.0 | 531.0 | 796.0 | 323.0 | 300.0 | 201.0 | 319.0 | 347.0 | 346.0 | 429.0 | 407.0 | 459.0 |
| 1981 | 449.0 | 503.0 | 791.0 | 760.0 | 857.0 | 560.0 | 417.0 | 416.0 | 597.0 | 618.0 | 579.0 | 565.0 |
| 1982 | 500.0 | 582.0 | 787.0 | 598.0 | 278.0 | 274.0 | 173.0 | 167.0 | 334.0 | 382.0 | 301.0 | 239.0 |
| 1983 | 186.0 | 192.0 | 270.0 | 257.0 | 281.0 | 220.0 | 174.0 | 198.0 | 198.0 | 216.0 | 163.0 | 225.0 |
| 1984 | 349.0 | 153.0 | 224.0 | 297.0 | 195.0 | 306.0 | 311.0 | 359.0 | 468.0 | 593.0 | 480.0 | 405.0 |
| 1985 | 378.0 | 471.0 | 810.0 | 761.0 | 768.0 | 544.0 | 362.0 | 437.0 | 580.0 | 670.0 | 556.0 | 532.0 |
| 1986 | 497.0 | 553.0 | 785.0 | 790.0 | 371.0 | 251.0 | 243.0 | 243.0 | 368.0 | 519.0 | 419.0 | 407.0 |
| 1987 | 390.0 | 424.0 | 744.0 | 737.0 | 876.0 | 702.0 | 559.0 | 438.0 | 603.0 | 649.0 | 600.0 | 582.0 |
| 1988 | 521.0 | 610.0 | 825.0 | 807.0 | 1000.0 | 906.0 | 637.0 | 603.0 | 659.0 | 648.0 | 641.0 | 610.0 |
| 1989 | 575.0 | 642.0 | 831.0 | 820.0 | 974.0 | 826.0 | 544.0 | 686.0 | 621.0 | 617.0 | 612.0 | 547.0 |
| 1990 | 573.0 | 630.0 | 839.0 | 830.0 | 963.0 | 917.0 | 717.0 | 644.0 | 668.0 | 633.0 | 626.0 | 612.0 |
| 1991 | 574.0 | 628.0 | 846.0 | 843.0 | 1020.0 | 714.0 | 583.0 | 672.0 | 715.0 | 717.0 | 697.0 | 670.0 |
| 1992 | 581.0 | 643.0 | 856.0 | 845.0 | 829.0 | 790.0 | 794.0 | 714.0 | 739.0 | 753.0 | 792.0 | 721.0 |
| 1993 | 599.0 | 674.0 | 856.0 | 645.0 | 649.0 | 624.0 | 440.0 | 485.0 | 701.0 | 789.0 | 475.0 | 481.0 |
| 1994 | 499.0 | 558.0 | 833.0 | 836.0 | 908.0 | 925.0 | 659.0 | 622.0 | 688.0 | 713.0 | 650.0 | 633.0 |
| 1995 | 603.0 | 647.0 | 853.0 | 677.0 | 712.0 | 332.0 | 204.0 | 148.0 | 294.0 | 245.0 | 296.0 | 467.0 |
| 1996 | 447.0 | 513.0 | 788.0 | 718.0 | 301.0 | 279.0 | 310.0 | 326.0 | 457.0 | 565.0 | 455.0 | 472.0 |
| 1997 | 449.0 | 439.0 | 287.0 | 228.0 | 165.0 | 196.0 | 303.0 | 315.0 | 435.0 | 608.0 | 496.0 | 462.0 |
| 1998 | 469.0 | 572.0 | 800.0 | 534.0 | 322.0 | 248.0 | 182.0 | 168.0 | 255.0 | 246.0 | 270.0 | 302.0 |
| 1999 | 354.0 | 447.0 | 695.0 | 510.0 | 201.0 | 347.0 | 334.0 | 347.0 | 414.0 | 629.0 | 524.0 | 504.0 |
| 2000 | 480.0 | 559.0 | 828.0 | 736.0 | 327.0 | 251.0 | 330.0 | 359.0 | 575.0 | 629.0 | 541.0 | 467.0 |
| 2001 | 434.0 | 519.0 | 788.0 | 760.0 | 856.0 | 654.0 | 380.0 | 434.0 | 602.0 | 658.0 | 599.0 | 565.0 |
| 2002 | 526.0 | 594.0 | 793.0 | 748.0 | 808.0 | 768.0 | 482.0 | 493.0 | 543.0 | 655.0 | 595.0 | 579.0 |
| 2003 | 574.0 | 623.0 | 812.0 | 814.0 | 786.0 | 798.0 | 418.0 | 446.0 | 439.0 | 644.0 | 591.0 | 581.0 |
| | | | | | | | | | | | | |
| Average | 479.1 | 537.5 | 750.0 | 663.7 | 623.7 | 528.1 | 405.9 | 411.3 | 503.2 | 580.5 | 514.3 | 508.9 |
| Critical | 527.6 | 606.4 | 832.9 | 821.4 | 955.9 | 907.9 | 669.9 | 625.1 | 673.3 | 687.7 | 664.9 | 640.0 |
| Dry | 458.7 | 525.5 | 792.8 | 764.3 | 856.5 | 675.7 | 457.3 | 484.0 | 591.0 | 644.5 | 590.2 | 561.7 |
| BN | 499.5 | 540.0 | 788.5 | 724.5 | 610.0 | 547.0 | 404.0 | 366.5 | 510.5 | 626.0 | 516.5 | 544.5 |
| AN | 538.3 | 608.8 | 823.0 | 665.0 | 549.0 | 460.8 | 350.7 | 369.0 | 486.2 | 598.8 | 483.8 | 482.3 |
| Wet | 432.1 | 472.5 | 645.9 | 522.4 | 373.9 | 283.5 | 265.8 | 289.0 | 377.9 | 477.8 | 411.8 | 420.8 |

Table 5-5. Sacramento River inflow (cfs) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 1970 | -0.5 | -0.2 | 0.0 | -0.2 | 0.3 | 0.0 | 0.2 | -0.5 | -0.4 | -0.4 | 0.2 | 0.1 |
| 1971 | 0.5 | -0.5 | 0.2 | -0.4 | -0.1 | -0.3 | 0.2 | 0.0 | 0.3 | -0.3 | 0.0 | 0.4 |
| 1972 | -0.1 | 0.4 | 0.3 | 0.4 | 0.4 | -0.1 | -0.4 | 0.3 | -0.4 | -0.4 | 0.0 | 0.4 |
| 1973 | 0.5 | 0.3 | -0.3 | 0.2 | -0.4 | 0.1 | 0.3 | 0.0 | 0.0 | -0.1 | 0.3 | 0.2 |
| 1974 | -0.5 | -0.3 | 0.4 | -0.5 | 0.3 | 0.4 | 0.1 | 0.3 | 0.4 | -0.4 | -0.3 | 0.3 |
| 1975 | 0.2 | -0.1 | 0.0 | -0.1 | 0.1 | -0.3 | -0.5 | 0.2 | -0.4 | -0.2 | 0.1 | -0.1 |
| 1976 | 0.3 | -0.5 | -0.1 | -0.5 | -0.3 | 0.2 | -2.9 | -4.6 | -45.0 | 1279.9 | 2802.7 | 693.4 |
| 1977 | -180.2 | -167.5 | -155.3 | -155.8 | -148.7 | -146.2 | -127.1 | -120.2 | -97.1 | 2118.5 | 826.0 | 471.0 |
| 1978 | -146.4 | -160.4 | -162.1 | -961.7 | -849.3 | -464.5 | -123.7 | -92.9 | -58.4 | 0.3 | -0.4 | -0.3 |
| 1979 | -0.1 | -0.2 | 0.0 | -84.7 | -239.3 | -76.8 | -65.9 | -49.4 | -0.1 | -0.1 | -0.5 | 0.0 |
| 1980 | -12.6 | -30.7 | -69.9 | -196.4 | -291.8 | -48.9 | -34.5 | -27.9 | -0.2 | -0.3 | 0.2 | 0.1 |
| 1981 | 0.3 | -13.8 | 0.5 | -43.6 | -29.2 | -28.5 | -22.5 | -19.9 | -37.8 | 66.8 | 1740.4 | -102.3 |
| 1982 | -153.3 | 62.5 | -817.2 | -198.8 | -218.7 | -100.8 | -84.4 | -199.9 | -40.5 | 0.5 | -0.1 | -0.1 |
| 1983 | -84.4 | -150.4 | -64.7 | -50.0 | -56.6 | -63.2 | -56.8 | -49.4 | -40.9 | -30.8 | -27.6 | -25.6 |
| 1984 | -23.7 | -37.0 | -37.2 | -35.0 | -31.4 | -29.6 | -20.3 | -17.7 | 0.0 | -13.7 | 0.0 | 0.3 |
| 1985 | -0.1 | -76.3 | -20.9 | -16.3 | -20.8 | -16.5 | -13.1 | -12.1 | -10.6 | -12.3 | -11.7 | -9.7 |
| 1986 | -9.0 | -9.1 | -22.2 | -16.1 | -77.5 | -19.9 | -18.1 | -11.2 | -0.2 | -0.2 | 0.4 | -0.3 |
| 1987 | 0.3 | -9.4 | -8.9 | -8.9 | -12.0 | -17.4 | -46.0 | -77.8 | -106.5 | 1818.7 | 2956.2 | 659.8 |
| 1988 | -216.7 | -182.1 | -276.8 | -384.3 | -82.3 | -173.0 | -165.1 | -158.5 | -126.5 | 2939.3 | 1189.0 | 567.7 |
| 1989 | -237.4 | -229.1 | -222.9 | -213.6 | -204.0 | -1104.4 | -698.7 | -210.6 | -196.1 | 59.1 | 959.5 | -30.2 |
| 1990 | -186.6 | -179.8 | -168.8 | -189.9 | -409.6 | -227.7 | -85.6 | -144.3 | -96.6 | 2801.2 | 1042.1 | 616.0 |
| 1991 | -197.1 | -113.6 | -91.9 | -111.1 | -114.4 | -620.4 | -240.6 | -177.9 | -198.1 | 2186.9 | 856.5 | 463.1 |
| 1992 | -209.3 | -186.1 | -200.7 | -193.7 | -674.1 | -286.3 | -234.3 | -198.9 | -235.7 | 2889.0 | 1185.5 | 443.6 |
| 1993 | -85.7 | -218.3 | -298.0 | -1265.1 | -1190.4 | -1136.9 | -226.0 | -595.1 | -184.2 | -0.4 | -0.5 | 0.1 |
| 1994 | 0.3 | 0.0 | 0.3 | -90.1 | -216.4 | -110.4 | -73.6 | -64.5 | -43.6 | 142.6 | 2682.3 | 503.4 |
| 1995 | -157.6 | -176.8 | -189.7 | -1176.5 | -837.8 | -282.3 | -183.1 | 109.2 | -311.7 | -108.4 | -100.0 | -0.4 |
| 1996 | -0.4 | 0.5 | -129.0 | -397.0 | -117.1 | -109.6 | -102.4 | -97.9 | -66.3 | 0.3 | 0.5 | 0.2 |
| 1997 | -0.3 | 0.3 | -406.3 | -92.0 | -83.7 | -75.8 | -54.0 | -49.2 | 0.3 | -33.7 | 0.0 | -30.4 |
| 1998 | -29.6 | -37.9 | -48.2 | -90.0 | -272.1 | -81.4 | -74.2 | -67.1 | -59.2 | -46.1 | -41.5 | -38.6 |
| 1999 | 0.5 | -89.5 | -46.6 | -39.1 | -53.5 | -47.8 | -46.0 | -38.5 | -30.0 | -0.1 | -0.1 | -0.1 |
| 2000 | 0.1 | 0.4 | -14.2 | -110.9 | -69.3 | -109.4 | -39.8 | -31.3 | -0.1 | -18.3 | -0.5 | 0.1 |
| 2001 | -0.2 | 0.3 | -22.5 | -38.5 | -33.9 | -31.9 | -28.8 | -82.3 | -112.7 | 3053.6 | 1524.6 | 657.0 |
| 2002 | -185.6 | -220.9 | -236.8 | -692.3 | -440.7 | -176.1 | -335.0 | -76.7 | -61.3 | -15.9 | -49.0 | -25.5 |
| 2003 | -2.7 | -24.0 | -264.7 | -165.5 | -81.9 | -77.7 | -75.4 | -137.2 | -133.2 | 800.8 | 55.0 | 46.6 |
| | | | | | | | | | | | | |
| Average | -62.3 | -66.2 | -116.9 | -206.4 | -201.7 | -166.6 | -96.4 | -79.5 | -67.4 | 584.6 | 517.3 | 142.9 |
| Critical | -141.3 | -118.5 | -127.6 | -160.8 | -235.1 | -223.4 | -132.8 | -124.1 | -120.4 | 2051.0 | 1512.0 | 536.9 |
| Dry | -70.4 | -91.6 | -85.3 | -168.9 | -123.4 | -229.1 | -190.7 | -79.9 | -87.5 | 828.3 | 1186.7 | 191.5 |
| BN | -0.1 | 0.1 | 0.2 | -42.1 | -119.4 | -38.5 | -33.1 | -24.5 | -0.2 | -0.3 | -0.3 | 0.2 |
| AN | -41.1 | -72.1 | -134.8 | -449.9 | -413.8 | -306.2 | -83.2 | -147.4 | -62.7 | 130.3 | 9.0 | 7.8 |
| Wet | -35.2 | -33.7 | -135.4 | -161.2 | -134.4 | -62.4 | -49.2 | -32.4 | -42.2 | -18.0 | -12.9 | -7.3 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-6. Sacramento River inflow percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.5 | 7.0 | 35.6 | 9.7 |
| 1977 | -2.7 | -2.0 | -1.8 | -1.0 | -1.5 | -1.6 | -1.4 | -2.0 | -1.2 | 23.5 | 7.6 | 7.5 |
| 1978 | -2.3 | -2.4 | -1.0 | -2.0 | -1.9 | -0.9 | -0.4 | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.4 | -0.8 | -0.3 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | -0.2 | -0.4 | -0.3 | -0.4 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | 0.0 | -0.2 | -0.1 | -0.1 | -0.2 | -0.2 | -0.3 | 0.3 | 12.1 | -0.8 |
| 1982 | -1.4 | 0.2 | -1.2 | -0.3 | -0.3 | -0.2 | -0.1 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.4 | -0.4 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 |
| 1984 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | -0.3 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.5 | -0.7 | -0.8 | 12.6 | 34.1 | 7.4 |
| 1988 | -2.7 | -2.2 | -1.5 | -1.5 | -0.6 | -2.3 | -1.5 | -1.8 | -1.2 | 23.1 | 14.7 | 8.1 |
| 1989 | -3.7 | -2.2 | -2.1 | -1.7 | -2.0 | -2.5 | -3.3 | -1.5 | -1.4 | 0.3 | 5.4 | -0.2 |
| 1990 | -1.7 | -2.0 | -2.0 | -1.0 | -2.6 | -1.8 | -0.8 | -1.8 | -1.2 | 18.6 | 10.5 | 8.0 |
| 1991 | -3.1 | -1.8 | -1.3 | -1.5 | -1.1 | -2.1 | -2.0 | -2.3 | -2.0 | 14.8 | 8.5 | 6.1 |
| 1992 | -3.1 | -2.7 | -2.9 | -1.8 | -2.2 | -1.5 | -2.0 | -2.2 | -1.7 | 22.3 | 12.1 | 5.0 |
| 1993 | -1.2 | -3.3 | -2.2 | -2.7 | -2.5 | -3.3 | -0.6 | -2.1 | -0.7 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -0.7 | -0.9 | -0.9 | -0.6 | -0.6 | -0.5 | 0.7 | 21.5 | 4.4 |
| 1995 | -2.0 | -2.1 | -1.2 | -1.8 | -1.8 | -0.4 | -0.4 | 0.2 | -0.8 | -0.6 | -0.6 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.7 | -1.0 | -0.2 | -0.2 | -0.3 | -0.2 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.8 | -0.1 | -0.2 | -0.3 | -0.3 | -0.4 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1998 | -0.2 | -0.2 | -0.2 | -0.3 | -0.4 | -0.1 | -0.2 | -0.2 | -0.1 | -0.2 | -0.2 | -0.2 |
| 1999 | 0.0 | -0.3 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.5 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 | -0.1 | -0.2 | -0.9 | -0.8 | 20.8 | 15.7 | 7.7 |
| 2002 | -2.3 | -2.2 | -0.8 | -1.6 | -2.3 | -0.9 | -2.0 | -0.6 | -0.6 | -0.1 | -0.4 | -0.2 |
| 2003 | 0.0 | -0.2 | -0.7 | -0.3 | -0.3 | -0.3 | -0.3 | -0.4 | -0.9 | 3.3 | 0.3 | 0.2 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.7 | -0.6 | -0.6 | -0.7 | -0.6 | -0.5 | -0.6 | -0.5 | 4.3 | 5.2 | 1.8 |
| Critical | -1.9 | -1.5 | -1.4 | -1.1 | -1.3 | -1.5 | -1.2 | -1.5 | -1.2 | 15.7 | 15.8 | 7.0 |
| Dry | -1.0 | -0.8 | -0.5 | -0.6 | -0.8 | -0.6 | -1.1 | -0.7 | -0.7 | 5.6 | 11.1 | 2.3 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -1.0 | -0.7 | -1.0 | -0.9 | -0.8 | -0.3 | -0.6 | -0.3 | 0.5 | 0.1 | 0.0 |
| Wet | -0.3 | -0.2 | -0.4 | -0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |

Table 5-7. San Joaquin River inflow (cfs) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|--------|--------|------|------|--------|------|------|------|
| 1970 | -0.2 | -0.4 | -0.4 | 0.4 | 0.2 | 0.3 | 0.1 | -0.1 | 0.4 | -0.4 | 0.4 | -0.4 |
| 1971 | 0.4 | 0.2 | -0.1 | 0.1 | 0.4 | -0.3 | 0.3 | 0.1 | -0.4 | 0.4 | 0.2 | 0.5 |
| 1972 | 0.1 | 0.1 | -0.2 | 0.2 | -0.1 | 0.3 | -0.2 | 0.3 | -0.4 | 0.0 | 0.1 | -0.4 |
| 1973 | -0.3 | 0.3 | -0.2 | 0.1 | 0.5 | -487.8 | -0.1 | 0.0 | 0.3 | -0.3 | 0.0 | -0.5 |
| 1974 | 0.3 | 0.2 | 0.1 | -0.1 | 0.2 | -0.5 | 0.1 | -0.3 | -0.4 | -0.1 | 0.2 | -0.4 |
| 1975 | -0.3 | -0.1 | -0.1 | -0.2 | -0.3 | 0.3 | -0.5 | -0.5 | -0.2 | 0.3 | -0.5 | 0.4 |
| 1976 | -0.5 | -0.3 | 0.0 | 0.1 | 0.4 | 0.0 | 0.2 | 0.0 | -0.4 | 0.0 | -0.5 | -0.1 |
| 1977 | 0.3 | 0.1 | 0.4 | -0.1 | 0.1 | -0.2 | 0.3 | 0.3 | -0.1 | -0.4 | 0.4 | -0.3 |
| 1978 | 0.1 | 0.4 | 0.5 | 0.5 | 0.4 | 0.1 | -0.4 | 0.3 | -0.5 | 0.3 | 0.4 | 0.3 |
| 1979 | -0.3 | 0.3 | 0.4 | -0.2 | 0.2 | 0.3 | -0.4 | -0.5 | 0.2 | 0.2 | -0.4 | 0.3 |
| 1980 | 0.2 | 0.3 | -0.2 | 0.4 | 0.1 | -0.3 | -0.5 | -0.1 | 0.3 | -0.5 | 0.2 | -0.1 |
| 1981 | 0.4 | -0.4 | -0.1 | -0.5 | -0.4 | 0.0 | 0.0 | -0.3 | -0.1 | -0.2 | -0.3 | -0.1 |
| 1982 | 0.3 | -0.5 | -0.1 | 0.4 | -540.4 | -0.1 | -0.2 | -0.2 | 0.2 | 0.1 | 0.5 | -0.5 |
| 1983 | 0.0 | 0.4 | 0.0 | 0.0 | -0.1 | 0.4 | 0.0 | -0.5 | -0.1 | 0.2 | 0.4 | -0.3 |
| 1984 | -0.3 | -0.1 | 0.3 | 0.0 | -0.5 | -0.2 | 0.3 | 0.1 | 0.1 | -0.5 | 0.2 | 0.4 |
| 1985 | -0.1 | -0.4 | 0.4 | 0.1 | 0.0 | -0.5 | 0.3 | 0.5 | -0.2 | -0.5 | 0.2 | 0.2 |
| 1986 | -0.3 | -0.3 | 0.2 | 0.4 | 0.3 | -0.5 | -0.3 | 0.5 | 0.0 | -0.4 | 0.0 | -0.2 |
| 1987 | -0.1 | 0.4 | -0.4 | -0.2 | 0.4 | -0.4 | 0.2 | -0.1 | 0.0 | 0.5 | -0.1 | -0.5 |
| 1988 | -0.1 | 0.2 | -0.5 | 0.2 | -0.4 | -0.2 | 0.4 | -0.1 | -0.3 | -0.1 | 0.4 | 0.2 |
| 1989 | -0.4 | 0.2 | -0.4 | 0.4 | 0.0 | 0.3 | -0.2 | -0.5 | 0.0 | -0.4 | 0.2 | 0.3 |
| 1990 | 0.0 | -0.4 | 0.3 | -0.4 | 0.1 | -0.1 | -0.3 | 0.3 | 0.4 | 0.1 | 0.3 | 0.3 |
| 1991 | -0.3 | 0.1 | -0.4 | 0.1 | -0.3 | -0.3 | 0.4 | 0.1 | -0.4 | 0.2 | 0.3 | -0.4 |
| 1992 | 0.3 | 0.1 | -0.3 | -0.3 | 0.1 | -0.2 | -0.1 | 0.0 | -0.2 | 0.2 | -0.5 | 0.2 |
| 1993 | 0.2 | 0.4 | 0.3 | 0.2 | -0.2 | -0.3 | 0.3 | -0.4 | -504.1 | 0.2 | -0.3 | -0.3 |
| 1994 | -0.2 | -0.4 | -0.5 | -0.5 | 0.2 | 0.0 | 0.1 | -0.1 | 0.4 | 0.0 | -0.2 | -0.1 |
| 1995 | -0.5 | -0.1 | -0.4 | -0.2 | -0.3 | -0.3 | 0.5 | 0.3 | 0.4 | -0.4 | 0.5 | 0.0 |
| 1996 | 0.4 | -0.5 | 0.3 | -0.3 | -0.4 | 0.2 | 0.0 | -0.1 | -0.2 | 0.5 | 0.4 | 0.2 |
| 1997 | 0.2 | 0.0 | 0.1 | -0.2 | -0.5 | -0.3 | 0.2 | 0.0 | 0.3 | 0.2 | 0.4 | 0.0 |
| 1998 | 0.0 | 0.4 | 0.5 | 0.1 | -0.5 | 0.5 | 0.5 | -0.1 | -0.2 | 0.3 | 0.4 | 0.2 |
| 1999 | -0.2 | 0.1 | 0.2 | 0.5 | -0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.4 | 0.1 |
| 2000 | 0.3 | 0.1 | -0.4 | -0.2 | 0.0 | 0.2 | 0.4 | 0.1 | 0.3 | 0.5 | -0.2 | 0.0 |
| 2001 | 0.4 | -0.3 | 0.1 | -0.2 | 0.3 | 0.0 | 0.5 | 0.4 | 0.4 | 0.2 | 0.3 | 0.0 |
| 2002 | 0.2 | 0.4 | 0.5 | 0.4 | 0.1 | 0.3 | 0.2 | -0.1 | 0.3 | 0.3 | -0.5 | 0.3 |
| 2003 | -0.1 | 0.5 | 0.3 | 0.0 | 0.4 | -0.5 | 0.3 | 0.2 | -0.5 | 0.3 | -0.2 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -15.9 | -14.4 | 0.1 | 0.0 | -14.8 | 0.0 | 0.1 | 0.0 |
| Critical | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.2 | 0.1 | 0.1 | -0.1 | 0.0 | 0.0 | 0.0 |
| Dry | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| BN | -0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 0.3 | -0.3 | -0.1 | -0.1 | 0.1 | -0.2 | -0.1 |
| AN | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | -81.4 | 0.0 | 0.0 | -84.0 | 0.1 | 0.0 | -0.1 |
| Wet | 0.0 | 0.0 | 0.0 | 0.1 | -41.7 | 0.0 | 0.1 | -0.1 | 0.0 | 0.0 | 0.3 | 0.0 |

Table 5-8. San Joaquin River inflow percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|-----|-----|-------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.1 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -11.5 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | -1.9 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-9. NDO (cfs) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|-------|
| 1970 | 0.5 | 0.2 | 0.1 | 0.3 | 0.3 | 0.2 | -0.3 | -0.2 | 0.4 | -0.4 | 0.0 | 0.5 |
| 1971 | 0.5 | -0.5 | 0.2 | -0.2 | -0.4 | 0.1 | -0.3 | 0.3 | -0.4 | 0.0 | 0.0 | -0.5 |
| 1972 | -0.3 | -0.1 | 0.5 | -0.4 | 0.4 | -0.5 | 0.0 | -0.1 | 0.5 | 0.1 | 0.0 | -0.2 |
| 1973 | 0.0 | -0.2 | -0.2 | -0.1 | -0.2 | -487.9 | 0.2 | -0.2 | 0.1 | 0.2 | 0.0 | 0.3 |
| 1974 | 0.0 | 0.2 | -0.2 | 0.1 | -0.5 | -0.3 | -0.1 | 0.2 | -0.5 | 0.0 | -0.1 | -0.3 |
| 1975 | 0.0 | 0.3 | 0.4 | 0.2 | 0.4 | -0.1 | -0.2 | 0.3 | -0.5 | 0.0 | 0.0 | 0.5 |
| 1976 | 0.0 | 0.5 | 0.4 | 0.3 | 0.0 | -0.1 | -2.9 | 10.0 | -34.3 | 389.6 | 504.2 | 181.0 |
| 1977 | 0.0 | 0.4 | 0.0 | 0.0 | -0.4 | 0.3 | 0.0 | -12.8 | 0.0 | 460.0 | 205.1 | 133.0 |
| 1978 | 0.4 | 0.0 | -76.3 | -876.2 | -763.8 | -464.5 | -123.4 | -93.3 | -58.1 | 0.0 | 0.0 | -0.5 |
| 1979 | 0.5 | 0.0 | 0.3 | -84.8 | -238.7 | -76.7 | -66.2 | -49.7 | 0.0 | 0.0 | 0.4 | 0.4 |
| 1980 | 0.1 | -30.0 | -69.4 | -196.6 | -1026.5 | -49.1 | -34.3 | -27.8 | 0.5 | 0.0 | 0.0 | -0.5 |
| 1981 | 0.0 | -0.5 | -0.4 | -44.2 | -29.2 | -27.9 | -22.8 | -20.1 | 0.0 | 152.0 | 210.2 | 79.4 |
| 1982 | 0.2 | 148.0 | -731.5 | -113.3 | -673.0 | -100.6 | -84.6 | -199.5 | -40.8 | 0.0 | 0.0 | 0.0 |
| 1983 | -83.7 | -150.4 | -64.5 | -50.7 | -56.6 | -63.2 | -56.6 | -50.2 | -40.8 | -31.1 | -28.0 | -25.9 |
| 1984 | -24.2 | -37.7 | -36.9 | -34.5 | -32.1 | -29.4 | -20.3 | -18.4 | 0.0 | -0.3 | 0.0 | -0.5 |
| 1985 | -0.3 | -76.4 | -20.9 | -17.1 | -21.1 | 0.2 | -13.4 | -12.1 | -0.3 | 0.0 | 0.0 | 0.2 |
| 1986 | 0.0 | 0.0 | -22.5 | -16.1 | -76.9 | -19.7 | -18.4 | -11.2 | 0.4 | 0.0 | 0.0 | 0.5 |
| 1987 | 0.0 | -0.2 | 0.1 | -9.3 | -11.5 | -17.7 | -0.1 | -0.4 | 0.0 | 408.0 | 640.6 | 181.0 |
| 1988 | 0.0 | 0.0 | -191.4 | -299.0 | 0.1 | -0.3 | -80.1 | 0.0 | 0.0 | 637.0 | 290.0 | 165.0 |
| 1989 | 0.0 | -0.3 | -137.1 | -0.2 | 0.3 | -1018.9 | -613.7 | -0.1 | 0.5 | 66.1 | 197.5 | 47.9 |
| 1990 | 0.0 | 0.0 | 0.0 | -104.4 | -323.4 | -142.5 | 0.3 | -51.7 | 0.0 | 609.0 | 261.5 | 176.0 |
| 1991 | 0.4 | 0.0 | 0.4 | 0.0 | -115.0 | -534.7 | -154.9 | -85.1 | 0.0 | 485.0 | 221.0 | 141.0 |
| 1992 | -0.2 | -0.3 | -0.1 | 0.3 | -591.8 | -200.3 | -148.2 | 0.4 | 0.0 | 628.0 | 288.7 | 141.0 |
| 1993 | 0.4 | 0.0 | -212.2 | -1180.0 | -1104.7 | -1136.6 | -226.0 | -595.3 | -689.0 | 0.0 | 0.0 | 0.3 |
| 1994 | -0.3 | -0.5 | -0.2 | -90.5 | -217.0 | -110.7 | -73.5 | -64.6 | -42.7 | 293.0 | 349.5 | 143.0 |
| 1995 | 3.9 | 0.0 | -104.3 | -1091.3 | -752.8 | -282.4 | -183.3 | 109.6 | -311.3 | -108.6 | -100.5 | -0.5 |
| 1996 | 0.0 | -0.3 | -129.3 | -397.6 | -117.4 | -110.1 | -102.4 | -98.0 | -66.3 | 0.0 | 0.0 | 0.0 |
| 1997 | -0.5 | 0.0 | -406.6 | -91.7 | -83.5 | -76.6 | -53.8 | -50.0 | -0.4 | 0.3 | 0.0 | 0.5 |
| 1998 | -0.5 | -0.5 | -48.7 | -89.5 | -272.1 | -81.0 | -73.5 | -66.6 | -59.3 | -47.0 | -41.5 | -38.4 |
| 1999 | 0.8 | -89.1 | -45.9 | -39.6 | -52.9 | -48.1 | -46.2 | -37.8 | -30.5 | -0.2 | 0.0 | 0.0 |
| 2000 | 0.0 | -0.1 | -0.1 | -110.5 | -69.7 | -109.6 | -39.5 | -32.0 | 0.3 | 0.4 | 0.0 | 0.3 |
| 2001 | -0.3 | 0.3 | 0.0 | -38.7 | -33.6 | -32.2 | -28.0 | -75.1 | 0.0 | 655.0 | 355.0 | 181.0 |
| 2002 | 1.0 | -134.9 | -151.6 | -607.2 | -354.5 | -175.7 | -334.9 | -76.2 | 0.0 | -0.3 | 0.3 | 0.0 |
| 2003 | 0.1 | 0.0 | -263.8 | -165.9 | -81.5 | -77.7 | -74.6 | -136.6 | -133.2 | 69.5 | 70.0 | 51.3 |
| Average | -3.0 | -10.9 | -79.8 | -169.1 | -208.8 | -161.0 | -78.7 | -51.3 | -44.3 | 137.2 | 100.7 | 45.8 |
| Critical | 0.0 | 0.0 | -27.3 | -70.5 | -178.2 | -141.2 | -65.6 | -29.1 | -11.0 | 500.2 | 302.9 | 154.3 |
| Dry | 0.1 | -35.3 | -51.7 | -119.4 | -74.9 | -212.0 | -168.8 | -30.7 | 0.0 | 213.5 | 233.9 | 81.6 |
| BN | 0.1 | -0.1 | 0.4 | -42.6 | -119.1 | -38.6 | -33.1 | -24.9 | 0.3 | 0.0 | 0.2 | 0.1 |
| AN | 0.2 | -5.0 | -103.7 | -421.5 | -507.8 | -387.6 | -82.9 | -147.5 | -146.6 | 11.7 | 11.7 | 8.5 |
| Wet | -7.9 | -10.0 | -122.3 | -148.0 | -162.9 | -62.4 | -49.2 | -32.4 | -42.3 | -14.4 | -13.1 | -4.9 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-10. NDO percent difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | -0.8 | 8.2 | 13.0 | 6.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 11.5 | 6.1 | 4.4 |
| 1978 | 0.0 | 0.0 | -0.7 | -1.3 | -1.5 | -0.7 | -0.3 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.3 | -0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -0.4 | -0.6 | -0.2 | -0.8 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 | -0.2 | -0.2 | 0.0 | 3.0 | 5.3 | 2.6 |
| 1982 | 0.0 | 0.6 | -0.9 | -0.2 | -0.7 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 |
| 1984 | -0.2 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | -0.4 | -0.2 | -0.2 | -0.2 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 8.2 | 15.4 | 6.0 |
| 1988 | 0.0 | 0.0 | -1.5 | -1.1 | 0.0 | 0.0 | -0.8 | 0.0 | 0.0 | 15.9 | 7.5 | 5.5 |
| 1989 | 0.0 | 0.0 | -3.1 | 0.0 | 0.0 | -2.2 | -3.1 | 0.0 | 0.0 | 1.3 | 3.7 | 1.0 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.7 | -2.7 | -1.6 | 0.0 | -0.8 | 0.0 | 15.2 | 6.1 | 5.9 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.6 | -1.5 | -1.5 | 0.0 | 12.1 | 5.0 | 4.7 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | -1.2 | -1.5 | 0.0 | 0.0 | 15.7 | 7.8 | 4.7 |
| 1993 | 0.0 | 0.0 | -2.5 | -1.9 | -2.0 | -3.2 | -0.6 | -2.0 | -3.3 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -1.3 | -0.7 | -0.7 | -1.0 | 7.3 | 8.6 | 4.8 |
| 1995 | 0.1 | 0.0 | -1.2 | -1.0 | -1.6 | -0.1 | -0.3 | 0.1 | -0.8 | -0.5 | -1.1 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.8 | -0.9 | -0.1 | -0.2 | -0.2 | -0.2 | -0.6 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.6 | 0.0 | -0.1 | -0.3 | -0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | -0.5 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.4 | -0.2 |
| 1999 | 0.0 | -0.4 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | -0.3 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | -0.1 | -0.2 | -0.9 | 0.0 | 13.1 | 8.5 | 6.0 |
| 2002 | 0.0 | -2.3 | -0.5 | -1.3 | -2.4 | -1.0 | -2.0 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.7 | -0.3 | -0.3 | -0.4 | -0.3 | -0.4 | -2.0 | 0.7 | 1.8 | 0.4 |
| | | | | | | | | | | | | |
| Average | 0.0 | -0.1 | -0.4 | -0.4 | -0.5 | -0.5 | -0.4 | -0.3 | -0.3 | 3.3 | 2.6 | 1.5 |
| Critical | 0.0 | 0.0 | -0.2 | -0.4 | -1.0 | -0.8 | -0.6 | -0.4 | -0.3 | 12.3 | 7.7 | 5.1 |
| Dry | 0.0 | -0.5 | -0.6 | -0.3 | -0.5 | -0.6 | -0.9 | -0.3 | 0.0 | 4.3 | 5.5 | 2.6 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.1 | -0.8 | -0.7 | -0.8 | -0.9 | -0.2 | -0.5 | -1.0 | 0.1 | 0.3 | 0.1 |
| Wet | -0.1 | 0.0 | -0.3 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

Table 5-11. San Joaquin River inflow salinity (EC) difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-------|-------|-------|-----|------|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.1 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.8 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-12. San Joaquin River inflow salinity (EC) percent difference All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-13. Sacramento River inflow (cfs) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 127.7 | -27.7 | 1077.3 | 1049.4 | 342.7 |
| 1977 | -85.5 | -85.5 | -85.5 | -85.5 | -85.5 | -85.5 | -85.5 | 14.4 | -113.2 | 1325.0 | 478.4 | 278.7 |
| 1978 | -85.5 | -85.5 | -85.5 | -510.8 | -663.6 | -156.0 | 1.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -654.7 | 971.6 | -505.6 |
| 1982 | -85.5 | 322.3 | -601.4 | -97.5 | -123.4 | -14.7 | 0.0 | -142.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -18.3 | -27.7 | 843.2 | 1429.5 | 342.7 |
| 1988 | -85.5 | -85.5 | -85.5 | -85.5 | -82.7 | -85.5 | -85.5 | -103.8 | -113.2 | 1581.1 | 532.6 | 313.7 |
| 1989 | -85.5 | -85.5 | -85.5 | -85.5 | -85.4 | -601.6 | -539.4 | -85.5 | -85.5 | -85.5 | 191.0 | -119.1 |
| 1990 | -85.5 | -85.5 | -85.5 | -85.5 | -310.6 | -126.0 | -85.5 | 42.2 | -113.2 | 1630.5 | 577.5 | 342.7 |
| 1991 | -80.1 | 0.0 | 0.0 | 0.0 | 0.0 | -85.5 | -85.5 | 14.4 | -113.2 | 1325.0 | 478.4 | 278.7 |
| 1992 | -85.5 | -85.5 | -85.5 | -85.5 | -169.3 | -85.5 | -85.5 | -103.8 | -113.2 | 1655.2 | 503.2 | 260.7 |
| 1993 | -85.5 | -85.5 | -85.5 | -712.7 | -910.6 | -143.8 | 0.0 | -151.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.1 | 50.4 | -189.3 | 1419.6 | 162.0 |
| 1995 | -85.5 | -85.5 | -85.5 | -335.0 | -317.2 | -50.4 | 0.0 | 270.6 | -175.7 | -6.0 | -11.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -62.2 | 0.0 | 0.0 | 0.0 | -3.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.6 | -0.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -18.3 | -27.7 | 1776.5 | 577.5 | 342.7 |
| 2002 | -85.5 | -85.5 | 197.7 | -398.7 | -284.6 | -34.1 | -227.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 | 0.0 | 0.3 | -50.4 | 0.0 | 325.3 | -244.0 | -84.0 |
| | | | | | | | | | | | | |
| Average | -27.5 | -13.2 | -32.0 | -74.4 | -88.8 | -43.2 | -35.1 | -5.0 | -25.3 | 311.9 | 233.9 | 57.5 |
| Critical | -60.3 | -48.9 | -48.9 | -48.9 | -92.6 | -66.9 | -61.1 | 4.3 | -77.6 | 1200.7 | 719.9 | 282.7 |
| Dry | -28.5 | -28.5 | 18.7 | -80.7 | -61.7 | -106.0 | -127.8 | -20.3 | -23.5 | 313.2 | 528.3 | 10.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -28.5 | -28.5 | -28.5 | -201.3 | -262.4 | -50.0 | 0.3 | -33.5 | 0.0 | 54.2 | -40.7 | -14.0 |
| Wet | -13.1 | 18.2 | -52.9 | -38.0 | -33.9 | -5.0 | 0.0 | 9.6 | -13.5 | -0.5 | -0.8 | 0.0 |

Table 5-14. Sacramento River inflow (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | -0.3 | 5.9 | 13.3 | 4.8 |
| 1977 | -1.3 | -1.0 | -1.0 | -0.6 | -0.9 | -0.9 | -0.9 | 0.2 | -1.4 | 14.7 | 4.4 | 4.4 |
| 1978 | -1.3 | -1.3 | -0.5 | -1.1 | -1.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.2 | 6.7 | -4.1 |
| 1982 | -0.8 | 1.0 | -0.9 | -0.2 | -0.2 | 0.0 | 0.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 5.8 | 16.5 | 3.9 |
| 1988 | -1.1 | -1.1 | -0.5 | -0.3 | -0.6 | -1.1 | -0.8 | -1.2 | -1.0 | 12.4 | 6.6 | 4.5 |
| 1989 | -1.3 | -0.8 | -0.8 | -0.7 | -0.8 | -1.4 | -2.5 | -0.6 | -0.6 | -0.4 | 1.1 | -0.8 |
| 1990 | -0.8 | -1.0 | -1.0 | -0.5 | -1.9 | -1.0 | -0.8 | 0.5 | -1.4 | 10.8 | 5.8 | 4.4 |
| 1991 | -1.3 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.7 | 0.2 | -1.2 | 9.0 | 4.8 | 3.7 |
| 1992 | -1.3 | -1.3 | -1.2 | -0.8 | -0.6 | -0.5 | -0.7 | -1.1 | -0.8 | 12.8 | 5.1 | 3.0 |
| 1993 | -1.2 | -1.3 | -0.6 | -1.5 | -1.9 | -0.4 | 0.0 | -0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 | -1.0 | 11.4 | 1.4 |
| 1995 | -1.1 | -1.0 | -0.6 | -0.5 | -0.7 | -0.1 | 0.0 | 0.5 | -0.5 | 0.0 | -0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 12.1 | 5.9 | 4.0 |
| 2002 | -1.1 | -0.8 | 0.7 | -0.9 | -1.5 | -0.2 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 1.3 | -1.4 | -0.4 |
| | | | | | | | | | | | | |
| Average | -0.4 | -0.3 | -0.2 | -0.2 | -0.3 | -0.2 | -0.2 | 0.0 | -0.2 | 2.4 | 2.4 | 0.8 |
| Critical | -0.8 | -0.6 | -0.5 | -0.3 | -0.6 | -0.5 | -0.6 | 0.1 | -0.8 | 9.2 | 7.3 | 3.7 |
| Dry | -0.4 | -0.3 | 0.0 | -0.3 | -0.4 | -0.3 | -0.7 | -0.2 | -0.2 | 2.4 | 5.0 | 0.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.4 | -0.4 | -0.2 | -0.4 | -0.6 | -0.1 | 0.0 | -0.1 | 0.0 | 0.2 | -0.2 | -0.1 |
| Wet | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-15. San Joaquin River inflow (cfs) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|--------|-----|-----|-----|--------|-------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 487.9 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -540.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 487.9 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -504.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 487.9 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -15.9 | 0.0 | 0.0 | 0.0 | -14.8 | 43.1 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69.7 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 162.6 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -84.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -41.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-16. San Joaquin River inflow (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-------|-------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 104.8 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -11.5 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44.5 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | -0.3 | 5.5 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-17. NDO (cfs) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 146.0 | 0.0 | 238.4 | 232.8 | 89.4 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 118.2 | 0.0 | 288.0 | 118.6 | 76.6 |
| 1978 | 0.0 | 0.0 | 0.0 | -425.3 | -578.2 | -156.0 | 1.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.1 | 0.0 | 0.0 |
| 1982 | 0.0 | 407.8 | -515.9 | -12.0 | -578.1 | -14.6 | 0.0 | -142.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 191.6 | 308.9 | 89.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 339.2 | 129.5 | 83.6 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -516.1 | -453.9 | 0.0 | 0.0 | 45.5 | 3.3 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -225.3 | -40.5 | 0.0 | 146.0 | 0.0 | 349.1 | 138.5 | 89.4 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 118.2 | 0.0 | 288.0 | 118.6 | 76.6 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | -86.9 | 0.0 | 0.0 | 0.0 | 0.0 | 402.8 | 123.6 | 73.0 |
| 1993 | 0.0 | 0.0 | 0.0 | -627.2 | -825.2 | -143.8 | 0.0 | -151.3 | -504.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.1 | 50.4 | 125.6 | 154.7 | 49.5 |
| 1995 | 0.0 | 0.0 | 0.0 | -249.5 | -231.7 | -50.4 | 0.0 | 270.6 | -175.7 | -6.0 | -11.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -62.2 | 0.0 | 0.0 | 0.0 | -3.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.6 | -0.2 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 427.0 | 138.5 | 89.4 |
| 2002 | 0.0 | 0.0 | 283.2 | -313.2 | -199.1 | -34.1 | -227.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 | 0.0 | 0.3 | -50.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 12.0 | -6.8 | -49.2 | -79.7 | -28.1 | -20.0 | 14.4 | -18.5 | 81.0 | 42.8 | 21.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | -44.6 | -5.8 | 0.0 | 81.1 | 7.2 | 290.1 | 145.2 | 76.9 |
| Dry | 0.0 | 0.0 | 47.2 | -52.2 | -33.2 | -91.7 | -113.6 | 0.0 | 0.0 | 121.5 | 75.1 | 29.8 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -172.8 | -233.9 | -50.0 | 0.3 | -33.5 | -84.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 31.4 | -39.7 | -24.9 | -62.3 | -5.0 | 0.0 | 9.6 | -13.5 | -0.5 | -0.8 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-18. NDO percent difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|------|------|------|------|------|------|------|------|------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 5.0 | 6.0 | 3.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 7.2 | 3.5 | 2.6 |
| 1978 | 0.0 | 0.0 | 0.0 | -0.6 | -1.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| 1982 | 0.0 | 1.6 | -0.6 | 0.0 | -0.6 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 7.4 | 3.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 3.3 | 2.8 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.1 | -2.3 | 0.0 | 0.0 | 0.9 | 0.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | -1.9 | -0.5 | 0.0 | 2.1 | 0.0 | 8.7 | 3.3 | 3.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 7.2 | 2.7 | 2.6 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 3.3 | 2.4 |
| 1993 | 0.0 | 0.0 | 0.0 | -1.0 | -1.5 | -0.4 | 0.0 | -0.5 | -2.4 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.2 | 3.1 | 3.8 | 1.7 |
| 1995 | 0.0 | 0.0 | 0.0 | -0.2 | -0.5 | 0.0 | 0.0 | 0.3 | -0.4 | 0.0 | -0.1 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 3.3 | 3.0 |
| 2002 | 0.0 | 0.0 | 1.0 | -0.6 | -1.4 | -0.2 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | -0.1 | 0.3 | 0.0 | 1.9 | 1.1 | 0.7 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | 0.0 | 1.6 | 0.2 | 7.1 | 3.7 | 2.6 |
| Dry | 0.0 | 0.0 | 0.2 | -0.1 | -0.2 | -0.2 | -0.6 | 0.0 | 0.0 | 2.4 | 1.8 | 1.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | -0.3 | -0.4 | -0.1 | 0.0 | -0.1 | -0.4 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-19. San Joaquin River inflow salinity (EC) difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-------|-----|-----|-----|------|--------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -26.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -149.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -35.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.6 | -6.2 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -21.3 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -10.2 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-20. San Joaquin River inflow salinity (EC) percent difference No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-------|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -19.8 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.3 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | -0.9 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.8 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.6 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-21. Sacramento River inflow (cfs) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | -4.9 | -34.2 | 1191.1 | 1402.3 | 423.3 |
| 1977 | -179.8 | -167.3 | -155.1 | -155.7 | -148.5 | -146.0 | -127.5 | -120.9 | -85.5 | 1077.7 | 420.6 | 209.5 |
| 1978 | -146.4 | -160.6 | -162.1 | -962.1 | -849.3 | -464.9 | -123.6 | -93.2 | -58.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -85.0 | -239.2 | -76.5 | -66.3 | -49.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -12.1 | -30.5 | -69.7 | -196.6 | -291.3 | -48.6 | -34.4 | -28.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -14.0 | 0.0 | -43.8 | -28.8 | -28.1 | -22.5 | -20.1 | -38.2 | 45.7 | 1710.6 | -111.3 |
| 1982 | -153.7 | 62.6 | -817.0 | -198.4 | -218.8 | -100.4 | -84.3 | -199.7 | -40.9 | 0.0 | 0.0 | 0.0 |
| 1983 | -83.9 | -150.7 | -64.4 | -50.3 | -56.8 | -63.1 | -57.1 | -49.8 | -40.9 | -30.9 | -27.7 | -25.4 |
| 1984 | -23.8 | -37.4 | -36.9 | -34.8 | -31.8 | -29.2 | -20.0 | -18.1 | 0.0 | -13.4 | 0.0 | 0.0 |
| 1985 | 0.0 | -76.1 | -21.2 | -16.6 | -20.6 | -16.5 | -13.6 | -11.9 | -10.4 | -12.3 | -11.9 | -9.2 |
| 1986 | -8.8 | -9.0 | -22.5 | -16.6 | -77.2 | -20.0 | -18.0 | -11.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -9.1 | -9.0 | -9.0 | -11.8 | -17.7 | -45.7 | -71.0 | -95.2 | 1357.7 | 1920.3 | 390.2 |
| 1988 | -217.0 | -182.3 | -277.2 | -384.8 | -82.7 | -172.7 | -165.3 | -151.4 | -115.1 | 2121.9 | 591.5 | 313.2 |
| 1989 | -237.4 | -228.8 | -222.4 | -213.2 | -204.1 | -1104.4 | -698.7 | -211.0 | -196.1 | 59.1 | 959.7 | -29.9 |
| 1990 | -186.4 | -180.2 | -169.0 | -190.1 | -409.2 | -227.7 | -85.5 | -144.2 | -85.5 | 1728.8 | 624.4 | 346.3 |
| 1991 | -197.4 | -113.6 | -92.1 | -110.7 | -114.8 | -620.5 | -240.9 | -179.1 | -187.3 | 1146.4 | 450.8 | 201.1 |
| 1992 | -208.9 | -185.8 | -200.3 | -193.9 | -674.0 | -286.2 | -234.2 | -191.4 | -224.2 | 1927.2 | 776.9 | 214.0 |
| 1993 | -85.5 | -218.2 | -298.0 | -1265.4 | -1190.5 | -1136.7 | -225.7 | -595.3 | -184.4 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -90.5 | -216.8 | -110.4 | -73.5 | -64.9 | -43.2 | 80.1 | 1389.8 | 256.6 |
| 1995 | -157.7 | -176.8 | -189.5 | -1176.3 | -838.3 | -282.3 | -183.2 | 109.5 | -311.3 | -108.1 | -100.3 | 0.0 |
| 1996 | 0.0 | 0.0 | -129.2 | -397.4 | -117.1 | -109.7 | -102.8 | -98.1 | -66.4 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | -406.3 | -92.0 | -83.9 | -76.2 | -54.1 | -49.6 | 0.0 | -33.6 | 0.0 | -30.0 |
| 1998 | -29.6 | -38.4 | -48.5 | -89.7 | -272.2 | -81.1 | -73.8 | -66.7 | -59.1 | -46.6 | -41.9 | -38.6 |
| 1999 | 0.6 | -89.3 | -46.3 | -39.2 | -53.0 | -48.1 | -45.8 | -38.0 | -30.5 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -14.7 | -110.5 | -69.7 | -109.4 | -39.3 | -31.8 | 0.0 | -18.5 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -22.4 | -38.4 | -33.8 | -32.1 | -28.4 | -74.6 | -101.7 | 2404.1 | 676.8 | 387.6 |
| 2002 | -185.8 | -220.9 | -236.9 | -692.7 | -440.3 | -176.1 | -335.0 | -76.4 | -61.0 | -16.3 | -49.2 | -25.3 |
| 2003 | -2.9 | -24.3 | -264.3 | -165.4 | -81.8 | -77.9 | -75.0 | -137.0 | -133.4 | 801.1 | 55.0 | 46.6 |
| | | | | | | | | | | | | |
| Average | -62.2 | -66.2 | -116.9 | -206.4 | -201.7 | -166.5 | -96.4 | -78.8 | -64.8 | 401.8 | 316.1 | 74.1 |
| Critical | -141.4 | -118.5 | -127.7 | -160.8 | -235.1 | -223.3 | -132.8 | -122.4 | -110.7 | 1324.8 | 808.0 | 280.6 |
| Dry | -70.5 | -91.5 | -85.3 | -169.0 | -123.2 | -229.1 | -190.7 | -77.5 | -83.8 | 639.7 | 867.7 | 100.4 |
| BN | 0.0 | 0.0 | 0.0 | -42.5 | -119.6 | -38.3 | -33.2 | -24.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -41.1 | -72.3 | -134.8 | -450.0 | -413.8 | -306.3 | -83.0 | -147.6 | -62.6 | 130.4 | 9.2 | 7.8 |
| Wet | -35.1 | -33.8 | -135.4 | -161.1 | -134.6 | -62.3 | -49.2 | -32.5 | -42.2 | -17.9 | -13.1 | -7.2 |

Table 5-22. Sacramento River inflow (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | 6.5 | 17.8 | 5.9 |
| 1977 | -2.7 | -2.0 | -1.8 | -1.0 | -1.5 | -1.6 | -1.4 | -2.0 | -1.1 | 11.9 | 3.9 | 3.3 |
| 1978 | -2.3 | -2.4 | -1.0 | -2.0 | -1.9 | -0.9 | -0.4 | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.4 | -0.8 | -0.3 | -0.5 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.1 | -0.2 | -0.4 | -0.3 | -0.4 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.1 | 0.0 | -0.2 | -0.1 | -0.1 | -0.2 | -0.2 | -0.3 | 0.2 | 11.9 | -0.9 |
| 1982 | -1.4 | 0.2 | -1.2 | -0.3 | -0.3 | -0.2 | -0.1 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.4 | -0.4 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 |
| 1984 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1985 | 0.0 | -0.3 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 |
| 1986 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.5 | -0.7 | -0.7 | 9.4 | 22.2 | 4.4 |
| 1988 | -2.7 | -2.2 | -1.5 | -1.5 | -0.6 | -2.3 | -1.5 | -1.7 | -1.1 | 16.6 | 7.3 | 4.5 |
| 1989 | -3.7 | -2.2 | -2.1 | -1.7 | -2.0 | -2.5 | -3.3 | -1.5 | -1.4 | 0.3 | 5.4 | -0.2 |
| 1990 | -1.7 | -2.0 | -2.0 | -1.0 | -2.5 | -1.8 | -0.8 | -1.8 | -1.1 | 11.5 | 6.3 | 4.5 |
| 1991 | -3.1 | -1.8 | -1.3 | -1.5 | -1.1 | -2.1 | -2.0 | -2.3 | -1.9 | 7.8 | 4.5 | 2.7 |
| 1992 | -3.1 | -2.7 | -2.9 | -1.8 | -2.2 | -1.5 | -2.0 | -2.1 | -1.7 | 14.9 | 7.9 | 2.4 |
| 1993 | -1.2 | -3.3 | -2.2 | -2.7 | -2.5 | -3.3 | -0.6 | -2.1 | -0.7 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -0.7 | -0.9 | -0.9 | -0.6 | -0.6 | -0.5 | 0.4 | 11.2 | 2.2 |
| 1995 | -2.0 | -2.1 | -1.2 | -1.8 | -1.8 | -0.4 | -0.4 | 0.2 | -0.8 | -0.6 | -0.6 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.7 | -1.0 | -0.2 | -0.2 | -0.3 | -0.2 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.8 | -0.1 | -0.2 | -0.3 | -0.3 | -0.4 | 0.0 | -0.1 | 0.0 | -0.1 |
| 1998 | -0.2 | -0.2 | -0.3 | -0.3 | -0.4 | -0.1 | -0.2 | -0.2 | -0.1 | -0.2 | -0.2 | -0.2 |
| 1999 | 0.0 | -0.3 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.1 | -0.5 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.2 | -0.2 | -0.1 | -0.1 | -0.2 | -0.8 | -0.8 | 16.4 | 7.0 | 4.5 |
| 2002 | -2.3 | -2.2 | -0.8 | -1.6 | -2.3 | -0.9 | -2.0 | -0.6 | -0.6 | -0.1 | -0.4 | -0.2 |
| 2003 | 0.0 | -0.2 | -0.7 | -0.3 | -0.3 | -0.3 | -0.3 | -0.4 | -0.9 | 3.3 | 0.3 | 0.2 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.7 | -0.6 | -0.6 | -0.7 | -0.6 | -0.5 | -0.6 | -0.4 | 2.9 | 3.1 | 1.0 |
| Critical | -1.9 | -1.5 | -1.4 | -1.1 | -1.3 | -1.5 | -1.2 | -1.5 | -1.1 | 9.9 | 8.4 | 3.6 |
| Dry | -1.0 | -0.8 | -0.5 | -0.6 | -0.8 | -0.6 | -1.1 | -0.7 | -0.6 | 4.4 | 7.7 | 1.3 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.4 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -1.0 | -0.7 | -1.0 | -0.9 | -0.8 | -0.3 | -0.6 | -0.3 | 0.5 | 0.1 | 0.0 |
| Wet | -0.3 | -0.2 | -0.4 | -0.3 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |

Table 5-23. San Joaquin River inflow (cfs) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|--------|--------|-----|-----|--------|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -487.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -540.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -504.2 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -15.9 | -14.4 | 0.0 | 0.0 | -14.8 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -81.3 | 0.0 | 0.0 | -84.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -41.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-24. San Joaquin River inflow (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -11.5 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | -1.9 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 5-25. NDO (cfs) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.2 | -0.1 | 0.0 | -487.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.6 | 2.9 | -34.2 | 271.8 | 319.4 | 125.1 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -20.9 | 0.0 | 249.9 | 121.5 | 78.6 |
| 1978 | 0.0 | 0.0 | -76.6 | -876.6 | -764.0 | -464.9 | -123.6 | -93.2 | -58.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -85.0 | -239.2 | -76.5 | -66.3 | -49.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -30.5 | -69.7 | -196.6 | -1026.4 | -48.6 | -34.4 | -28.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | -43.8 | -28.8 | -28.1 | -22.5 | -20.1 | 0.0 | 135.2 | 211.0 | 77.8 |
| 1982 | 0.0 | 148.1 | -731.5 | -112.9 | -673.4 | -100.4 | -84.3 | -199.7 | -40.9 | 0.0 | 0.0 | 0.0 |
| 1983 | -83.9 | -150.7 | -64.4 | -50.3 | -56.8 | -63.1 | -57.1 | -49.8 | -40.9 | -30.9 | -27.7 | -25.4 |
| 1984 | -23.8 | -37.4 | -36.9 | -34.8 | -31.8 | -29.2 | -20.0 | -18.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | -76.1 | -21.2 | -16.6 | -20.6 | 0.0 | -13.6 | -11.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | -22.5 | -16.6 | -77.2 | -20.0 | -18.0 | -11.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -9.0 | -11.8 | -17.7 | 0.0 | 0.0 | 0.0 | 313.9 | 430.7 | 125.1 |
| 1988 | 0.0 | 0.0 | -191.7 | -299.3 | 0.0 | 0.0 | -79.8 | 0.0 | 0.0 | 471.4 | 168.7 | 113.1 |
| 1989 | 0.0 | 0.0 | -136.9 | 0.0 | 0.0 | -1018.9 | -613.2 | 0.0 | 0.0 | 65.9 | 197.2 | 47.9 |
| 1990 | 0.0 | 0.0 | 0.0 | -104.6 | -323.8 | -142.2 | 0.0 | -58.7 | 0.0 | 391.9 | 175.5 | 120.1 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | -114.8 | -535.0 | -155.4 | -93.6 | 0.0 | 274.3 | 137.2 | 86.7 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | -591.6 | -200.7 | -148.7 | 0.0 | 0.0 | 432.7 | 204.5 | 93.7 |
| 1993 | 0.0 | 0.0 | -212.5 | -1179.9 | -1105.1 | -1136.7 | -225.7 | -595.3 | -688.6 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -90.5 | -216.8 | -110.4 | -73.5 | -64.9 | -43.2 | 166.3 | 204.9 | 93.7 |
| 1995 | 3.9 | 0.0 | -104.0 | -1090.8 | -752.8 | -282.3 | -183.2 | 109.5 | -311.3 | -108.1 | -100.3 | 0.0 |
| 1996 | 0.0 | 0.0 | -129.2 | -397.4 | -117.1 | -109.7 | -102.8 | -98.1 | -66.4 | 0.0 | 0.1 | 0.0 |
| 1997 | 0.0 | 0.0 | -406.3 | -92.0 | -83.9 | -76.2 | -54.1 | -49.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | -48.5 | -89.7 | -272.2 | -81.1 | -73.8 | -66.7 | -59.1 | -46.6 | -41.9 | -38.6 |
| 1999 | 0.6 | -89.3 | -46.3 | -39.2 | -53.0 | -48.1 | -45.8 | -38.0 | -30.5 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -110.5 | -69.7 | -109.4 | -39.3 | -31.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | -38.4 | -33.8 | -32.1 | -28.4 | -74.6 | 0.0 | 523.0 | 182.6 | 125.1 |
| 2002 | 0.6 | -135.4 | -151.4 | -607.2 | -354.8 | -176.1 | -335.0 | -76.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | -264.3 | -165.4 | -81.8 | -77.9 | -75.0 | -137.0 | -133.4 | 69.5 | 69.5 | 51.3 |
| Average | -3.0 | -10.9 | -79.8 | -169.0 | -208.9 | -161.0 | -78.7 | -52.2 | -44.3 | 93.5 | 66.3 | 31.6 |
| Critical | 0.0 | 0.0 | -27.4 | -70.6 | -178.1 | -141.2 | -65.7 | -33.6 | -11.1 | 322.6 | 190.2 | 101.6 |
| Dry | 0.1 | -35.3 | -51.6 | -119.2 | -75.0 | -212.1 | -168.8 | -30.5 | 0.0 | 173.0 | 170.3 | 62.6 |
| BN | 0.0 | 0.0 | 0.0 | -42.5 | -119.6 | -38.3 | -33.2 | -24.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -5.1 | -103.8 | -421.5 | -507.8 | -387.6 | -83.0 | -147.6 | -146.7 | 11.6 | 11.6 | 8.6 |
| Wet | -7.9 | -9.9 | -122.3 | -148.0 | -163.0 | -62.3 | -49.2 | -32.5 | -42.2 | -14.3 | -13.1 | -4.9 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-26. NDO (cfs) percent difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.7 | 5.7 | 8.2 | 4.2 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 | 0.0 | 6.2 | 3.6 | 2.6 |
| 1978 | 0.0 | 0.0 | -0.7 | -1.3 | -1.5 | -0.7 | -0.3 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.3 | -0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | -0.4 | -0.6 | -0.2 | -0.8 | -0.1 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 | -0.2 | -0.2 | 0.0 | 2.7 | 5.3 | 2.5 |
| 1982 | 0.0 | 0.6 | -0.9 | -0.1 | -0.7 | -0.1 | -0.1 | -0.4 | -0.2 | 0.0 | 0.0 | 0.0 |
| 1983 | -0.6 | -0.4 | -0.1 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 |
| 1984 | -0.2 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | -0.4 | -0.2 | -0.2 | -0.1 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 6.3 | 10.4 | 4.2 |
| 1988 | 0.0 | 0.0 | -1.5 | -1.1 | 0.0 | 0.0 | -0.8 | 0.0 | 0.0 | 11.8 | 4.3 | 3.8 |
| 1989 | 0.0 | 0.0 | -3.1 | 0.0 | 0.0 | -2.2 | -3.1 | 0.0 | 0.0 | 1.3 | 3.7 | 1.0 |
| 1990 | 0.0 | 0.0 | 0.0 | -0.7 | -2.7 | -1.6 | 0.0 | -0.9 | 0.0 | 9.8 | 4.1 | 4.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | -1.6 | -1.5 | -1.7 | 0.0 | 6.9 | 3.1 | 2.9 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | -1.2 | -1.5 | 0.0 | 0.0 | 10.8 | 5.5 | 3.1 |
| 1993 | 0.0 | 0.0 | -2.5 | -1.9 | -2.0 | -3.2 | -0.6 | -2.0 | -3.3 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -1.3 | -0.7 | -0.7 | -1.1 | 4.2 | 5.1 | 3.1 |
| 1995 | 0.1 | 0.0 | -1.2 | -1.0 | -1.6 | -0.1 | -0.3 | 0.1 | -0.8 | -0.5 | -1.1 | 0.0 |
| 1996 | 0.0 | 0.0 | -0.8 | -0.9 | -0.1 | -0.2 | -0.2 | -0.2 | -0.6 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | -0.6 | 0.0 | -0.1 | -0.3 | -0.3 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | -0.5 | -0.2 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 | -0.4 | -0.2 |
| 1999 | 0.0 | -0.4 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.2 | -0.3 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | -0.5 | -0.1 | -0.2 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | -0.3 | -0.1 | -0.1 | -0.2 | -0.9 | 0.0 | 10.5 | 4.4 | 4.2 |
| 2002 | 0.0 | -2.3 | -0.5 | -1.3 | -2.4 | -1.0 | -2.0 | -0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | -0.7 | -0.3 | -0.3 | -0.4 | -0.3 | -0.4 | -2.0 | 0.7 | 1.7 | 0.4 |
| Average | 0.0 | -0.1 | -0.4 | -0.4 | -0.5 | -0.5 | -0.4 | -0.3 | -0.3 | 2.2 | 1.7 | 1.1 |
| Critical | 0.0 | 0.0 | -0.2 | -0.4 | -1.0 | -0.8 | -0.6 | -0.5 | -0.3 | 7.9 | 4.9 | 3.4 |
| Dry | 0.0 | -0.5 | -0.6 | -0.3 | -0.5 | -0.6 | -0.9 | -0.3 | 0.0 | 3.5 | 4.0 | 2.0 |
| BN | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | -0.1 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | -0.1 | -0.8 | -0.7 | -0.8 | -0.9 | -0.2 | -0.5 | -1.0 | 0.1 | 0.3 | 0.1 |
| Wet | -0.1 | 0.0 | -0.3 | -0.2 | -0.2 | -0.1 | -0.1 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |

Table 5-27. San Joaquin River salinity (EC) difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-------|-------|-------|-----|------|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -23.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | -0.7 | -0.1 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.8 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 5-28. San Joaquin River salinity (EC) percent difference No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | -5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.2 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

C.1.6 Export Boundary Conditions

See the text in Appendix C for details on the export boundary conditions.

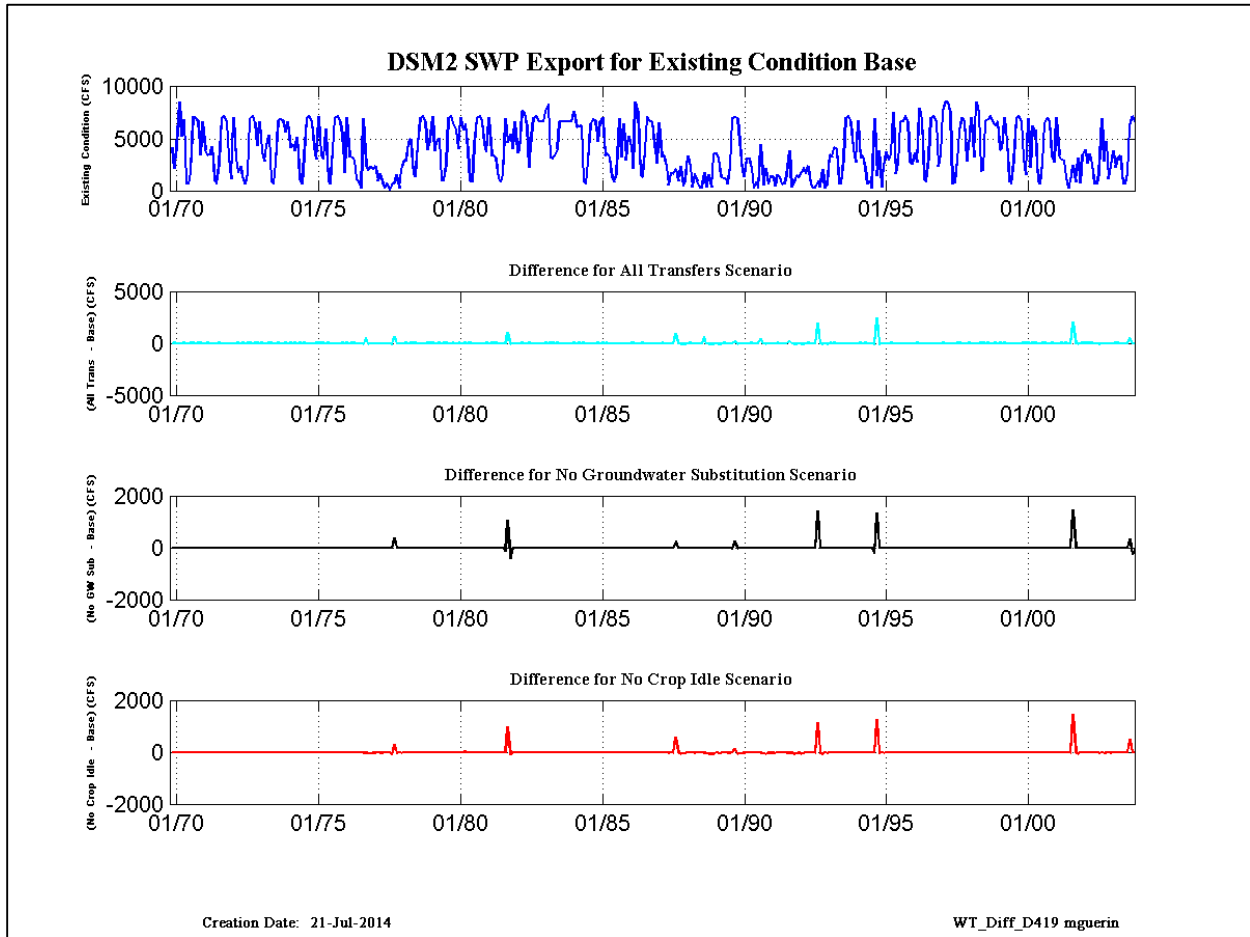


Figure 6-1. SWP Export for the Base condition and change from Base for the scenarios.

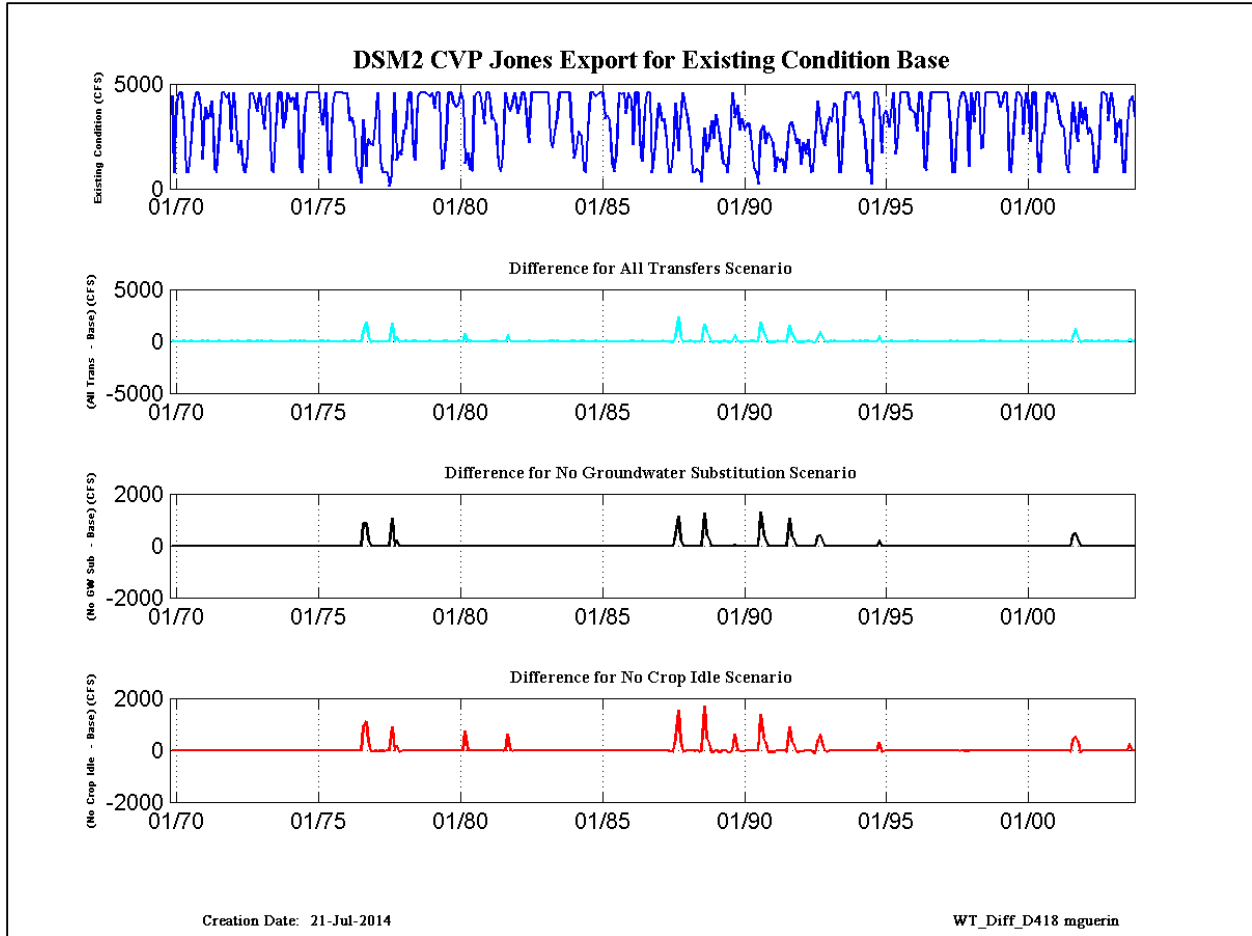


Figure 6-2. CVP Jones Export for the Base condition and change from Base for the scenarios.

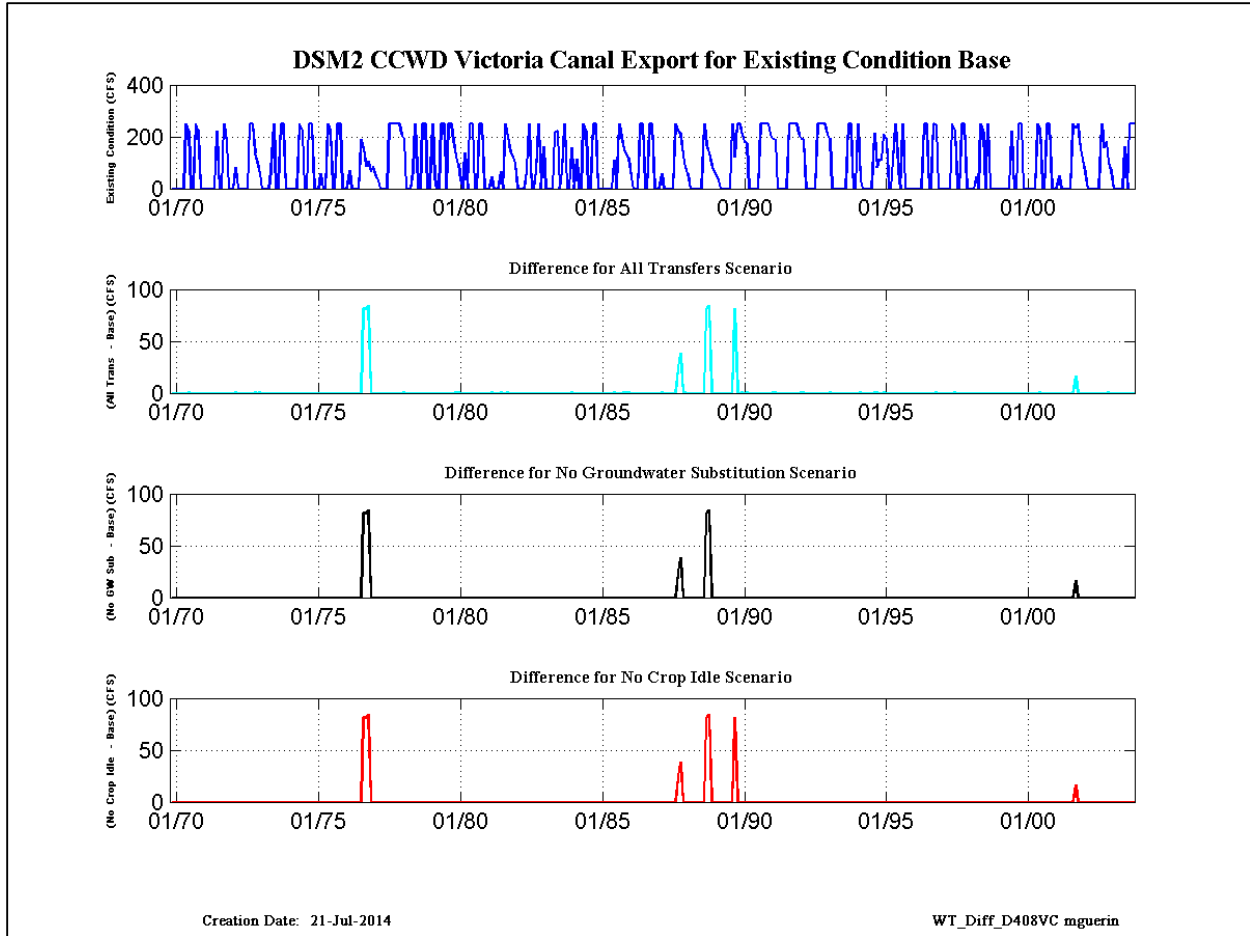


Figure 6-3. CCWD Victoria Canal Export for the Base condition and change from Base for the scenarios.

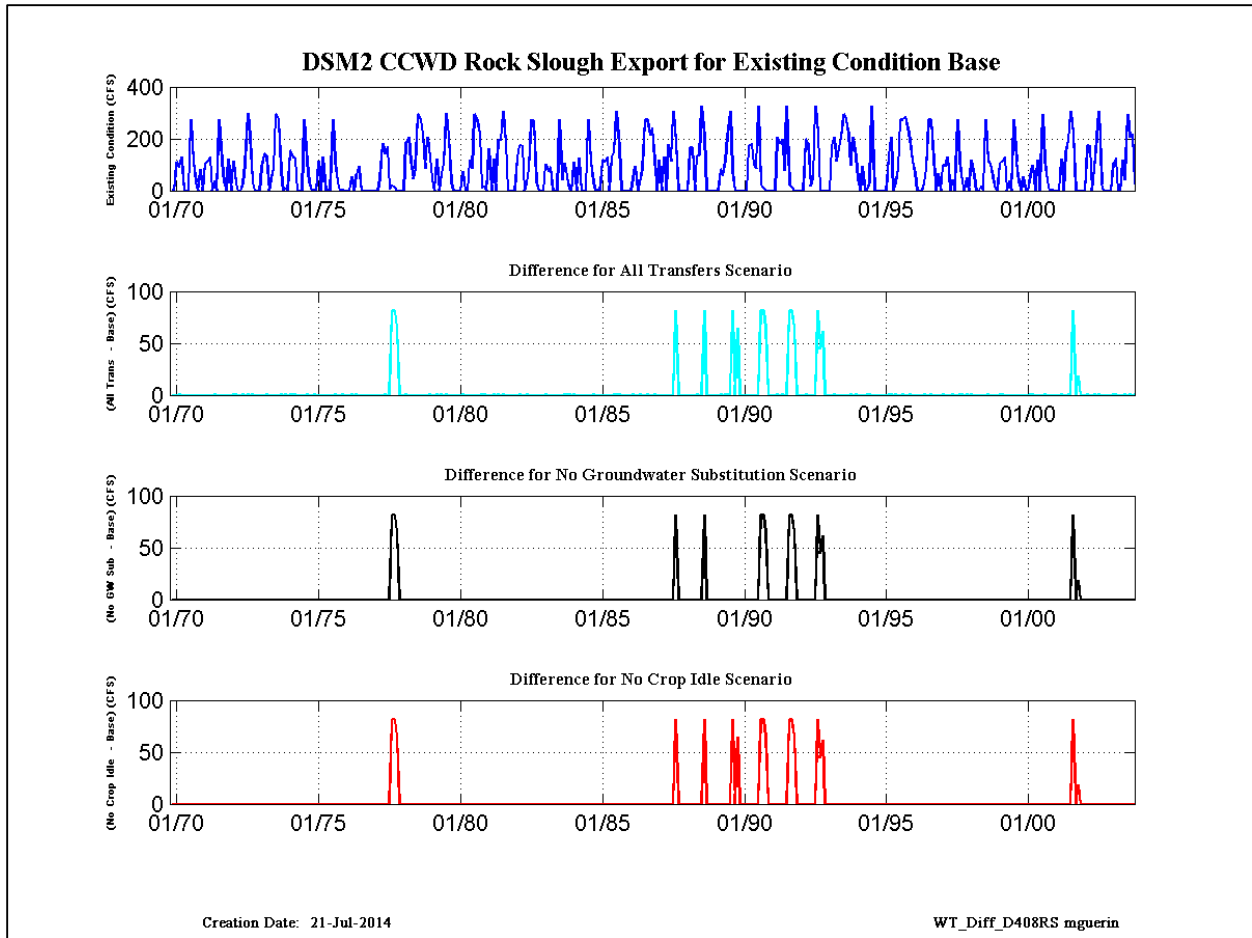


Figure 6-4. CCWD Rock Slough Export for the Base condition and change from Base for the scenarios.

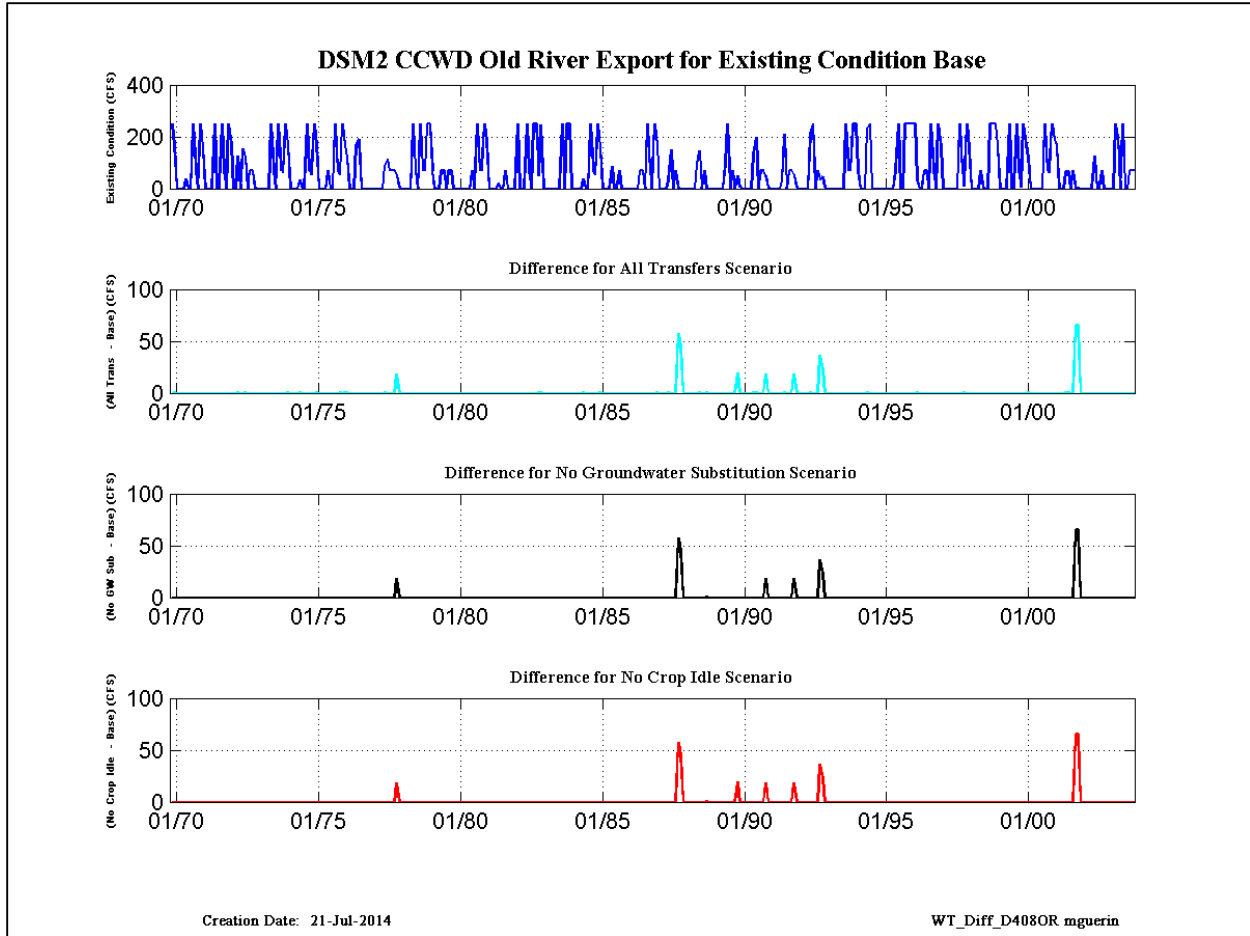


Figure 6-5. CCWD Old River Export for the Base condition and change from Base for the scenarios.

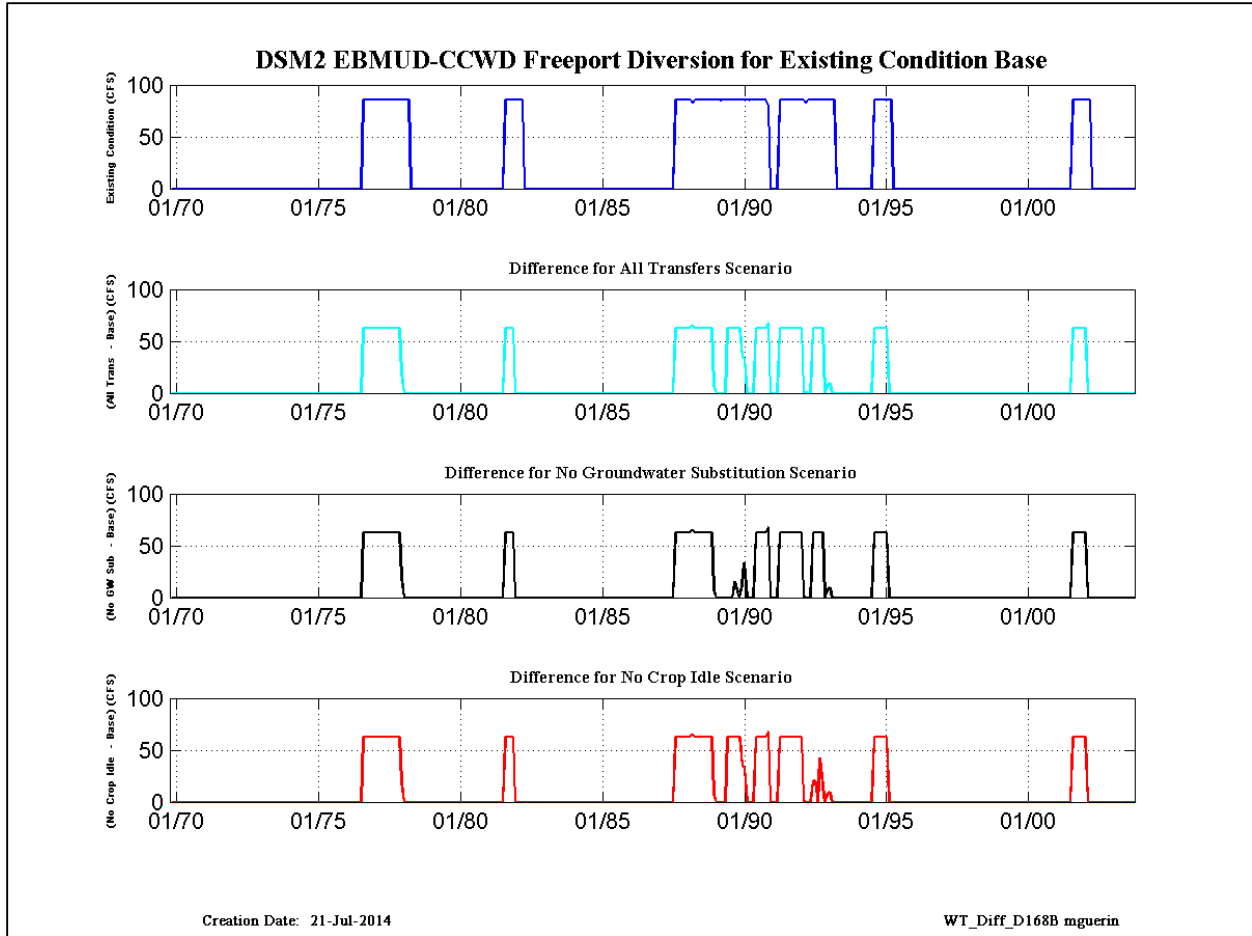


Figure 6-6. EBMUD Freepport Diversion for the Base condition and change from Base for the scenarios.

Table 6-1. EBMUD at Freeport Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 |
| 1977 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1978 | 85.5 | 85.5 | 85.5 | 85.5 | 85.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 |
| 1982 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 |
| 1988 | 85.5 | 85.5 | 85.5 | 85.5 | 82.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1989 | 85.5 | 85.5 | 85.5 | 85.5 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1990 | 85.5 | 85.5 | 85.5 | 85.5 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1991 | 80.1 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1992 | 85.5 | 85.5 | 85.5 | 85.5 | 82.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 1993 | 85.5 | 85.5 | 85.5 | 85.5 | 85.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 |
| 1995 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 85.5 | 85.5 |
| 2002 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 27.5 | 25.1 | 25.1 | 25.1 | 25.0 | 15.1 | 15.1 | 15.1 | 15.1 | 27.7 | 27.7 | 27.7 |
| Critical | 60.3 | 48.9 | 48.9 | 48.9 | 48.0 | 61.1 | 61.1 | 61.1 | 61.1 | 85.5 | 85.5 | 85.5 |
| Dry | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 14.3 | 14.3 | 14.3 | 14.3 | 57.0 | 57.0 | 57.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-2. CVP-Jones Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1970 | 4480.8 | 800.0 | 4128.0 | 4600.0 | 4600.0 | 3102.3 | 800.0 | 800.0 | 1834.1 | 3728.1 | 4600.0 | 4600.0 |
| 1971 | 3903.3 | 1444.7 | 3942.9 | 3379.3 | 3474.6 | 4233.7 | 914.9 | 800.0 | 2639.9 | 4600.0 | 4600.0 | 4356.3 |
| 1972 | 4600.0 | 2272.1 | 4600.0 | 3161.6 | 1736.9 | 2331.3 | 887.5 | 800.0 | 1636.9 | 4583.7 | 4600.0 | 4228.6 |
| 1973 | 3721.4 | 4600.0 | 3775.4 | 2881.5 | 4366.0 | 4600.0 | 893.3 | 800.0 | 2706.7 | 4600.0 | 4600.0 | 2921.4 |
| 1974 | 3384.7 | 4600.0 | 4162.3 | 4387.9 | 3806.6 | 4600.0 | 1072.0 | 800.0 | 3390.2 | 4600.0 | 4600.0 | 4600.0 |
| 1975 | 4600.0 | 4600.0 | 4600.0 | 3344.8 | 3071.3 | 4600.0 | 922.1 | 800.0 | 3960.4 | 4600.0 | 4600.0 | 4600.0 |
| 1976 | 4600.0 | 4598.6 | 4600.0 | 3254.0 | 3425.9 | 2938.3 | 1112.2 | 800.0 | 284.3 | 3340.8 | 1080.2 | 2382.8 |
| 1977 | 2140.4 | 2115.7 | 3081.7 | 4600.0 | 1334.3 | 800.0 | 800.0 | 800.0 | 113.4 | 675.9 | 4600.0 | 1386.5 |
| 1978 | 1778.2 | 1648.5 | 2813.8 | 2873.0 | 4600.0 | 4600.0 | 1587.3 | 1388.6 | 4440.5 | 4600.0 | 4600.0 | 4600.0 |
| 1979 | 4525.2 | 4448.5 | 4600.0 | 3879.5 | 4600.0 | 4600.0 | 970.4 | 1002.6 | 2566.1 | 4600.0 | 4600.0 | 4125.5 |
| 1980 | 3949.5 | 4028.1 | 4600.0 | 4229.0 | 1222.7 | 1728.3 | 923.6 | 864.0 | 4466.8 | 4600.0 | 4600.0 | 4019.0 |
| 1981 | 3111.1 | 4600.0 | 4600.0 | 3355.2 | 3380.3 | 3122.1 | 1107.2 | 809.8 | 1642.4 | 4600.0 | 3988.5 | 3732.0 |
| 1982 | 4199.1 | 4600.0 | 3634.1 | 3878.2 | 4600.0 | 4600.0 | 3218.9 | 2245.8 | 4600.0 | 4600.0 | 4600.0 | 4600.0 |
| 1983 | 4600.0 | 4600.0 | 4600.0 | 4600.0 | 2308.6 | 1991.0 | 2721.7 | 3487.1 | 4600.0 | 4600.0 | 4600.0 | 4600.0 |
| 1984 | 4600.0 | 2978.3 | 1461.8 | 1972.7 | 2764.8 | 2529.0 | 874.0 | 800.0 | 2832.0 | 4600.0 | 4600.0 | 4456.4 |
| 1985 | 4559.4 | 4600.0 | 4600.0 | 3381.7 | 3523.1 | 3257.4 | 1204.9 | 832.1 | 1668.5 | 4600.0 | 4550.0 | 4600.0 |
| 1986 | 3630.3 | 4600.0 | 4272.0 | 2121.1 | 4600.0 | 4600.0 | 1510.5 | 1339.1 | 3908.8 | 4600.0 | 4600.0 | 800.0 |
| 1987 | 1565.4 | 3157.2 | 4101.9 | 3269.7 | 3352.4 | 2342.5 | 800.0 | 800.0 | 1638.9 | 4139.7 | 1812.7 | 3183.2 |
| 1988 | 4600.0 | 3975.4 | 3317.4 | 2347.8 | 800.0 | 800.0 | 929.0 | 800.0 | 329.6 | 2917.2 | 1799.6 | 2077.9 |
| 1989 | 3272.2 | 2445.9 | 3584.9 | 2856.7 | 2019.0 | 1204.1 | 1133.6 | 800.0 | 2364.1 | 4600.0 | 3422.9 | 4014.0 |
| 1990 | 2806.8 | 3355.7 | 2819.0 | 3060.3 | 3132.8 | 2125.8 | 1031.7 | 800.0 | 229.5 | 2787.1 | 3045.7 | 2160.1 |
| 1991 | 2686.6 | 2504.7 | 2216.2 | 804.6 | 1517.8 | 1290.8 | 1433.6 | 800.0 | 1561.0 | 3048.2 | 3221.5 | 2732.6 |
| 1992 | 2170.0 | 2379.3 | 1177.1 | 2223.9 | 1690.0 | 2384.8 | 800.0 | 856.7 | 2308.1 | 4230.8 | 3221.9 | 2474.0 |
| 1993 | 2089.8 | 2979.7 | 3459.1 | 3201.5 | 4120.7 | 3944.0 | 800.0 | 800.0 | 3132.0 | 4600.0 | 4600.0 | 4600.0 |
| 1994 | 4310.4 | 4600.0 | 4600.0 | 3168.1 | 3338.1 | 2298.4 | 836.6 | 866.3 | 225.1 | 4600.0 | 4600.0 | 3869.4 |
| 1995 | 1714.6 | 3565.8 | 3743.9 | 2985.9 | 3563.0 | 4600.0 | 1665.3 | 2609.3 | 4600.0 | 4600.0 | 4600.0 | 4600.0 |
| 1996 | 3808.5 | 3773.6 | 3649.3 | 2798.5 | 4600.0 | 4600.0 | 1030.6 | 890.0 | 3364.5 | 4600.0 | 4600.0 | 4600.0 |
| 1997 | 4600.0 | 4600.0 | 4600.0 | 4600.0 | 4600.0 | 2980.5 | 800.0 | 800.0 | 3120.9 | 4229.9 | 4600.0 | 4600.0 |
| 1998 | 3984.1 | 1085.1 | 4600.0 | 3205.9 | 4600.0 | 4600.0 | 1936.2 | 2019.8 | 4600.0 | 4600.0 | 4600.0 | 4600.0 |
| 1999 | 4600.0 | 4600.0 | 3925.6 | 4072.3 | 4600.0 | 4600.0 | 872.8 | 800.0 | 2921.8 | 4600.0 | 4600.0 | 4421.6 |
| 2000 | 2622.6 | 4600.0 | 4188.0 | 2250.7 | 4600.0 | 4600.0 | 864.7 | 800.0 | 2680.5 | 2666.0 | 4600.0 | 4600.0 |
| 2001 | 4173.5 | 4600.0 | 4246.4 | 3425.9 | 3035.8 | 2905.9 | 1209.9 | 800.0 | 2287.8 | 4188.4 | 2863.7 | 2268.6 |
| 2002 | 4171.7 | 3148.9 | 3903.0 | 2636.0 | 2944.8 | 2593.6 | 800.0 | 800.0 | 1610.6 | 4600.0 | 4600.0 | 4519.8 |
| 2003 | 3283.2 | 4600.0 | 3829.3 | 2243.4 | 3154.2 | 3345.1 | 800.0 | 800.0 | 3057.7 | 4245.8 | 4458.4 | 3473.5 |
| | | | | | | | | | | | | |
| Average | 3613.0 | 3561.9 | 3824.5 | 3207.4 | 3326.0 | 3219.1 | 1154.8 | 1059.2 | 2568.3 | 4158.3 | 4096.0 | 3747.2 |
| Critical | 3330.6 | 3361.3 | 3115.9 | 2779.8 | 2177.0 | 1805.4 | 991.9 | 817.6 | 721.6 | 3085.7 | 3081.3 | 2440.5 |
| Dry | 3475.5 | 3758.7 | 4172.7 | 3154.2 | 3042.6 | 2570.9 | 1042.6 | 807.0 | 1868.7 | 4454.7 | 3539.6 | 3719.6 |
| BN | 4562.6 | 3360.3 | 4600.0 | 3520.6 | 3168.4 | 3465.7 | 929.0 | 901.3 | 2101.5 | 4591.8 | 4600.0 | 4177.1 |
| AN | 2907.4 | 3742.7 | 3777.6 | 2946.5 | 3677.3 | 3802.9 | 978.1 | 908.8 | 3414.1 | 4218.6 | 4576.4 | 4035.7 |
| Wet | 4008.1 | 3526.7 | 3947.7 | 3534.4 | 3937.6 | 3972.0 | 1410.7 | 1399.3 | 3567.1 | 4504.5 | 4600.0 | 4264.2 |

Table 6-3. SWP-Banks Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1970 | 4178.7 | 2198.2 | 4128.0 | 8500.0 | 5205.9 | 6828.3 | 700.0 | 700.0 | 1834.1 | 7114.9 | 7029.9 | 6675.3 |
| 1971 | 3459.6 | 6680.0 | 3942.9 | 3379.3 | 3474.6 | 4233.7 | 914.9 | 700.0 | 2639.9 | 7004.9 | 7180.0 | 6680.0 |
| 1972 | 3210.1 | 1138.4 | 7034.3 | 3161.6 | 1736.9 | 2331.3 | 997.1 | 700.0 | 1636.9 | 6915.0 | 7180.0 | 6530.6 |
| 1973 | 4303.6 | 6680.0 | 3775.4 | 2881.5 | 4366.0 | 5383.7 | 893.3 | 700.0 | 2706.7 | 6781.0 | 6905.7 | 6680.0 |
| 1974 | 5649.7 | 6680.0 | 4162.3 | 4387.9 | 3806.6 | 5169.9 | 1072.0 | 700.0 | 3390.2 | 7004.9 | 7180.0 | 6680.0 |
| 1975 | 4169.5 | 3019.6 | 7127.9 | 3344.8 | 3071.3 | 5940.6 | 922.1 | 700.0 | 3960.4 | 7004.9 | 7180.0 | 6680.0 |
| 1976 | 5344.3 | 1767.3 | 7044.7 | 3254.0 | 3200.6 | 2938.3 | 1112.2 | 895.0 | 284.3 | 6976.9 | 2325.3 | 1995.7 |
| 1977 | 2302.7 | 2014.0 | 2366.9 | 911.3 | 1684.8 | 789.4 | 300.0 | 700.0 | 16.2 | 554.7 | 735.9 | 1543.0 |
| 1978 | 300.0 | 2007.6 | 2813.8 | 2873.0 | 4676.4 | 4994.0 | 1587.3 | 1388.6 | 4440.5 | 7004.9 | 7180.0 | 6680.0 |
| 1979 | 3938.2 | 4789.9 | 7105.3 | 3879.5 | 4680.3 | 5000.1 | 970.4 | 1002.6 | 2566.1 | 7004.9 | 7180.0 | 6528.9 |
| 1980 | 5864.1 | 4028.1 | 7065.7 | 5838.8 | 6424.1 | 3839.7 | 923.6 | 864.0 | 4466.8 | 7004.9 | 7180.0 | 6680.0 |
| 1981 | 4414.0 | 3748.7 | 7048.7 | 3355.2 | 3380.3 | 3122.1 | 1107.2 | 809.8 | 1642.4 | 6928.9 | 4653.0 | 5413.9 |
| 1982 | 4065.5 | 6680.0 | 3634.1 | 3878.2 | 7627.6 | 7560.6 | 6125.3 | 2245.8 | 5267.0 | 7004.9 | 7180.0 | 6680.0 |
| 1983 | 6680.0 | 6680.0 | 7678.1 | 8342.5 | 3195.0 | 3109.4 | 3357.5 | 4038.7 | 6680.0 | 6680.0 | 6680.0 | 6680.0 |
| 1984 | 6680.0 | 6680.0 | 7678.1 | 6131.6 | 6180.4 | 6237.3 | 874.0 | 700.0 | 2832.0 | 6492.0 | 6933.9 | 6680.0 |
| 1985 | 4774.8 | 6680.0 | 7028.0 | 3381.7 | 3523.1 | 3204.9 | 1204.9 | 832.1 | 1668.5 | 6915.0 | 3221.1 | 6419.4 |
| 1986 | 2997.1 | 5267.4 | 4272.0 | 2121.1 | 8500.0 | 7560.6 | 1510.5 | 1339.1 | 3894.4 | 7114.9 | 6690.9 | 6680.0 |
| 1987 | 4335.7 | 2662.5 | 6587.7 | 3269.7 | 3352.4 | 2342.5 | 562.2 | 1723.1 | 1638.9 | 2097.1 | 985.0 | 2347.9 |
| 1988 | 438.4 | 904.4 | 3317.4 | 2347.8 | 304.6 | 1672.1 | 929.0 | 300.0 | 300.0 | 1724.8 | 350.0 | 1507.0 |
| 1989 | 387.1 | 3518.2 | 3584.9 | 3149.1 | 1322.9 | 1204.1 | 1133.6 | 700.0 | 2364.1 | 6914.9 | 7058.5 | 6991.9 |
| 1990 | 4781.7 | 1814.9 | 1379.0 | 3060.3 | 3132.8 | 2125.8 | 300.0 | 804.7 | 229.5 | 4458.0 | 549.9 | 2163.2 |
| 1991 | 672.7 | 1320.5 | 1352.0 | 414.3 | 1517.8 | 1290.8 | 620.0 | 700.0 | 1561.0 | 3862.4 | 380.3 | 757.5 |
| 1992 | 1496.2 | 1280.2 | 1774.0 | 2182.6 | 1690.0 | 2384.8 | 700.0 | 300.0 | 330.1 | 891.5 | 350.0 | 2088.6 |
| 1993 | 300.0 | 543.2 | 3459.1 | 3201.5 | 4120.7 | 3944.0 | 700.0 | 700.0 | 3132.0 | 7004.9 | 7180.0 | 6680.0 |
| 1994 | 4085.8 | 2718.4 | 6774.6 | 3168.1 | 3338.1 | 2298.4 | 663.4 | 866.3 | 225.1 | 6976.9 | 1423.5 | 3834.3 |
| 1995 | 334.2 | 2393.5 | 3743.9 | 2985.9 | 3563.0 | 7560.6 | 1665.3 | 2609.3 | 6680.0 | 6680.0 | 7180.0 | 6680.0 |
| 1996 | 2709.2 | 2590.6 | 3649.3 | 2798.5 | 7909.4 | 6853.0 | 1030.6 | 890.0 | 3364.5 | 7004.9 | 7180.0 | 6680.0 |
| 1997 | 2391.4 | 3493.7 | 7678.1 | 8500.0 | 8500.0 | 7560.6 | 700.0 | 793.2 | 2955.1 | 5761.8 | 7029.9 | 6680.0 |
| 1998 | 2889.9 | 4239.9 | 7043.1 | 3205.9 | 8500.0 | 7560.6 | 1936.2 | 2019.8 | 6680.0 | 6843.0 | 7180.0 | 6680.0 |
| 1999 | 6234.0 | 6680.0 | 3925.6 | 4072.3 | 7020.4 | 4748.7 | 872.8 | 700.0 | 2921.8 | 7004.9 | 7180.0 | 6680.0 |
| 2000 | 3159.1 | 1593.2 | 6983.9 | 2250.7 | 6246.4 | 5828.3 | 864.7 | 700.0 | 2680.5 | 6549.6 | 7029.9 | 6680.0 |
| 2001 | 3279.3 | 2798.2 | 7067.5 | 3425.9 | 3035.8 | 2905.9 | 1209.9 | 300.0 | 928.0 | 2457.4 | 897.7 | 3181.8 |
| 2002 | 719.2 | 3447.9 | 3903.0 | 2636.0 | 3541.8 | 2593.6 | 700.0 | 700.0 | 1610.6 | 6929.0 | 2852.7 | 4777.7 |
| 2003 | 1176.8 | 2477.5 | 3829.3 | 2243.4 | 3154.2 | 3345.1 | 700.0 | 700.0 | 1600.6 | 6279.1 | 7180.0 | 6680.0 |
| | | | | | | | | | | | | |
| Average | 3286.0 | 3565.2 | 4998.8 | 3603.9 | 4264.2 | 4248.9 | 1172.4 | 1015.4 | 2621.4 | 5910.2 | 5135.4 | 5382.3 |
| Critical | 2731.7 | 1688.5 | 3429.8 | 2191.2 | 2124.1 | 1928.5 | 660.7 | 652.3 | 420.9 | 3635.0 | 873.6 | 1984.2 |
| Dry | 2985.0 | 3809.3 | 5870.0 | 3202.9 | 3026.0 | 2562.2 | 986.3 | 844.2 | 1642.1 | 5373.7 | 3278.0 | 4855.4 |
| BN | 3574.1 | 2964.1 | 7069.8 | 3520.6 | 3208.6 | 3665.7 | 983.7 | 851.3 | 2101.5 | 6959.9 | 7180.0 | 6529.7 |
| AN | 2517.3 | 2888.2 | 4654.5 | 3214.8 | 4831.3 | 4555.8 | 944.8 | 842.1 | 3171.2 | 6770.7 | 7109.3 | 6680.0 |
| Wet | 4033.8 | 4867.9 | 5281.8 | 4742.2 | 5888.8 | 6224.9 | 1667.8 | 1395.1 | 4084.6 | 6824.3 | 7061.9 | 6679.6 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-4. CCDW Old River Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-----|-------|-------|------|-------|-------|-------|
| 1970 | 250.0 | 168.1 | 0.0 | 0.0 | 0.0 | 0.0 | 37.8 | 0.0 | 0.0 | 250.0 | 70.0 | 0.0 |
| 1971 | 250.0 | 157.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 0.0 | 0.0 | 250.0 | 70.0 | 0.0 |
| 1972 | 250.0 | 168.3 | 0.0 | 0.0 | 127.7 | 0.0 | 153.0 | 122.3 | 0.0 | 70.0 | 70.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 0.0 | 250.0 | 70.0 | 62.5 |
| 1974 | 250.0 | 171.3 | 0.0 | 0.0 | 0.0 | 0.0 | 32.1 | 0.0 | 0.0 | 250.0 | 70.0 | 55.6 |
| 1975 | 250.0 | 168.9 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 0.0 | 0.0 | 250.0 | 70.0 | 53.2 |
| 1976 | 250.0 | 169.6 | 120.2 | 0.0 | 0.0 | 0.0 | 171.0 | 190.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.9 | 114.0 | 70.0 | 70.0 | 70.0 | 51.5 |
| 1978 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 0.0 | 250.0 | 70.0 | 70.0 |
| 1979 | 250.0 | 250.0 | 70.0 | 0.0 | 0.0 | 0.0 | 70.0 | 70.0 | 0.0 | 70.0 | 70.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 0.0 | 250.0 | 70.0 | 70.0 |
| 1981 | 250.0 | 184.6 | 0.0 | 0.0 | 0.0 | 0.0 | 22.3 | 0.0 | 0.0 | 70.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 250.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 0.0 | 250.0 | 250.0 | 51.5 |
| 1983 | 247.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 0.0 | 250.0 |
| 1984 | 250.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.9 | 0.0 | 0.0 | 250.0 | 70.0 | 53.8 |
| 1985 | 250.0 | 157.8 | 0.0 | 0.0 | 0.0 | 0.0 | 86.4 | 0.0 | 0.0 | 70.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 70.0 | 0.0 | 250.0 | 70.0 | 0.0 |
| 1987 | 250.0 | 170.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.2 | 148.7 | 0.0 | 70.0 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 99.0 | 147.9 | 0.0 | 70.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 98.0 | 250.0 | 0.0 | 70.0 | 0.0 | 50.6 |
| 1990 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 135.6 | 198.6 | 0.0 | 70.0 | 70.0 | 51.5 |
| 1991 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.5 | 208.1 | 0.0 | 70.0 | 70.0 | 51.5 |
| 1992 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 215.6 | 250.0 | 0.0 | 70.0 | 33.3 | 48.0 |
| 1993 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 70.0 |
| 1994 | 250.0 | 250.0 | 70.0 | 0.0 | 0.0 | 0.0 | 232.5 | 250.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 250.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1996 | 250.0 | 250.0 | 250.0 | 34.8 | 0.0 | 0.0 | 70.0 | 70.0 | 0.0 | 250.0 | 70.0 | 0.0 |
| 1997 | 250.0 | 162.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 8.1 |
| 1998 | 250.0 | 159.6 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1999 | 250.0 | 165.7 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 0.0 | 0.0 | 250.0 | 70.0 | 6.3 |
| 2000 | 250.0 | 165.8 | 122.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 70.0 | 62.6 |
| 2001 | 250.0 | 189.4 | 167.0 | 0.0 | 0.0 | 0.0 | 64.9 | 66.9 | 0.0 | 70.0 | 0.0 | 4.7 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 127.2 | 0.0 | 0.0 | 70.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 250.0 | 201.3 | 0.0 | 250.0 | 0.0 | 0.0 | 70.0 | 70.0 | 70.0 |
| | | | | | | | | | | | | |
| Average | 140.4 | 91.4 | 30.9 | 8.4 | 9.7 | 0.0 | 105.7 | 79.0 | 2.1 | 146.5 | 64.2 | 48.3 |
| Critical | 73.7 | 59.9 | 27.2 | 0.0 | 0.0 | 0.0 | 139.9 | 194.2 | 10.0 | 50.0 | 34.8 | 28.9 |
| Dry | 166.7 | 117.0 | 27.8 | 0.0 | 0.0 | 0.0 | 72.3 | 77.6 | 0.0 | 70.0 | 0.0 | 9.2 |
| BN | 250.0 | 209.2 | 35.0 | 0.0 | 63.8 | 0.0 | 111.5 | 96.1 | 0.0 | 70.0 | 70.0 | 0.0 |
| AN | 43.2 | 27.6 | 20.4 | 41.7 | 33.6 | 0.0 | 125.0 | 35.0 | 0.0 | 220.0 | 70.0 | 67.5 |
| Wet | 192.1 | 107.9 | 38.5 | 2.7 | 0.0 | 0.0 | 92.9 | 35.4 | 0.0 | 211.5 | 106.2 | 75.3 |

Table 6-5. CCDW Rock Slough Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 3.3 | 0.0 | 111.7 | 88.8 | 128.8 | 0.0 | 0.0 | 0.0 | 273.4 | 113.0 | 34.2 | 0.0 |
| 1971 | 81.3 | 0.0 | 104.7 | 112.0 | 128.8 | 0.0 | 38.9 | 0.0 | 273.4 | 113.5 | 34.2 | 0.0 |
| 1972 | 123.9 | 0.0 | 112.0 | 28.9 | 0.0 | 0.0 | 31.2 | 102.9 | 296.4 | 210.7 | 34.9 | 0.0 |
| 1973 | 0.0 | 0.0 | 95.3 | 143.2 | 135.7 | 0.0 | 47.1 | 84.2 | 295.6 | 275.7 | 78.3 | 0.0 |
| 1974 | 9.9 | 0.0 | 155.1 | 128.2 | 122.0 | 0.0 | 0.0 | 0.0 | 273.4 | 111.7 | 34.2 | 0.0 |
| 1975 | 3.9 | 0.0 | 115.2 | 0.0 | 128.8 | 0.0 | 4.8 | 0.0 | 273.4 | 113.0 | 33.4 | 0.0 |
| 1976 | 3.3 | 0.0 | 0.0 | 0.0 | 56.0 | 0.0 | 61.7 | 93.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 50.2 | 180.9 | 142.8 | 170.4 | 6.5 | 20.5 | 10.8 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 187.0 | 206.0 | 114.9 | 47.1 | 84.2 | 295.6 | 275.7 | 217.1 | 88.0 |
| 1979 | 205.1 | 130.5 | 44.7 | 0.0 | 122.0 | 0.0 | 64.2 | 105.2 | 296.4 | 210.7 | 34.3 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 73.7 | 0.0 | 0.0 | 117.1 | 84.2 | 295.6 | 275.7 | 217.1 | 13.1 |
| 1981 | 14.1 | 0.0 | 162.6 | 0.0 | 122.0 | 0.0 | 192.6 | 195.0 | 305.5 | 184.8 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 131.6 | 175.9 | 172.8 | 0.0 | 31.5 | 85.9 | 273.4 | 268.8 | 34.2 | 0.0 |
| 1983 | 0.0 | 0.0 | 102.8 | 72.1 | 91.0 | 0.0 | 0.0 | 0.0 | 273.4 | 43.4 | 104.0 | 53.8 |
| 1984 | 5.1 | 0.0 | 108.4 | 0.0 | 124.3 | 0.0 | 0.0 | 0.0 | 273.4 | 113.4 | 34.1 | 0.0 |
| 1985 | 4.1 | 0.0 | 117.5 | 112.0 | 128.8 | 0.0 | 128.5 | 150.0 | 305.5 | 166.5 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 48.6 | 94.1 | 0.0 | 31.5 | 85.9 | 273.4 | 272.1 | 214.5 | 240.6 |
| 1987 | 118.1 | 0.0 | 118.7 | 0.0 | 128.8 | 0.0 | 179.7 | 112.2 | 305.5 | 190.2 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 164.9 | 166.8 | 0.0 | 133.8 | 136.5 | 326.5 | 210.4 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 84.0 | 58.4 | 116.9 | 210.9 | 305.5 | 79.4 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 172.8 | 180.9 | 97.2 | 85.8 | 326.5 | 20.5 | 10.8 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 206.0 | 180.9 | 197.2 | 76.3 | 326.5 | 20.5 | 10.8 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 198.9 | 180.9 | 17.2 | 47.3 | 326.5 | 220.5 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 172.0 | 206.0 | 114.9 | 167.1 | 204.2 | 295.6 | 275.7 | 217.1 | 99.4 |
| 1994 | 205.1 | 130.5 | 44.7 | 0.0 | 93.4 | 0.0 | 0.3 | 34.4 | 326.5 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 134.8 | 206.0 | 0.0 | 31.5 | 85.9 | 273.4 | 272.1 | 284.5 | 240.6 |
| 1996 | 197.0 | 115.8 | 68.7 | 0.0 | 0.0 | 0.0 | 31.5 | 85.9 | 273.4 | 272.1 | 116.8 | 0.0 |
| 1997 | 64.6 | 0.0 | 97.7 | 94.7 | 128.8 | 0.0 | 42.7 | 0.0 | 273.4 | 112.7 | 33.3 | 0.0 |
| 1998 | 50.0 | 0.0 | 116.1 | 56.4 | 0.0 | 0.0 | 16.8 | 0.0 | 273.4 | 113.3 | 104.2 | 55.2 |
| 1999 | 6.1 | 0.0 | 107.6 | 110.1 | 128.8 | 0.0 | 38.3 | 0.0 | 273.4 | 112.5 | 34.0 | 0.0 |
| 2000 | 53.4 | 0.0 | 0.0 | 56.3 | 96.4 | 0.0 | 117.1 | 0.0 | 295.6 | 116.6 | 36.5 | 0.0 |
| 2001 | 5.1 | 0.0 | 0.0 | 0.0 | 122.0 | 0.0 | 150.0 | 194.1 | 305.5 | 221.1 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 175.9 | 172.8 | 0.0 | 87.7 | 206.7 | 305.5 | 24.4 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 106.7 | 125.9 | 0.0 | 0.0 | 117.1 | 40.6 | 295.6 | 205.7 | 217.1 | 25.6 |
| | | | | | | | | | | | | |
| Average | 33.9 | 11.1 | 59.5 | 66.5 | 115.4 | 29.8 | 73.0 | 81.2 | 276.3 | 154.0 | 64.1 | 24.0 |
| Critical | 29.8 | 18.6 | 6.4 | 23.6 | 134.9 | 103.3 | 92.9 | 92.0 | 234.1 | 70.4 | 4.6 | 0.0 |
| Dry | 23.6 | 0.0 | 66.5 | 48.0 | 126.4 | 9.7 | 142.6 | 178.2 | 305.5 | 144.4 | 0.0 | 0.0 |
| BN | 164.5 | 65.3 | 78.4 | 14.4 | 61.0 | 0.0 | 47.7 | 104.1 | 296.4 | 210.7 | 34.6 | 0.0 |
| AN | 8.9 | 0.0 | 33.7 | 126.3 | 107.3 | 38.3 | 102.1 | 82.9 | 295.6 | 237.6 | 163.8 | 37.7 |
| Wet | 32.4 | 8.9 | 93.8 | 78.6 | 111.9 | 0.0 | 20.6 | 26.4 | 273.4 | 156.3 | 84.3 | 45.4 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-6. CCDW Victoria Canal Base exports (cfs).

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 222.8 | 0.0 | 0.0 | 250.0 | 226.4 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 220.4 | 0.0 | 0.0 | 250.0 | 183.1 |
| 1972 | 0.0 | 0.0 | 0.0 | 83.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 136.7 |
| 1973 | 101.0 | 57.9 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 250.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 222.8 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 58.6 | 0.0 | 0.0 | 250.0 | 222.8 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 71.0 | 0.0 | 0.0 | 0.0 | 0.0 | 190.1 | 159.6 | 86.9 | 104.6 |
| 1977 | 66.7 | 84.9 | 48.1 | 32.5 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 250.0 | 250.0 |
| 1978 | 250.0 | 210.0 | 192.0 | 0.0 | 0.0 | 0.0 | 70.0 | 250.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1979 | 0.0 | 0.0 | 250.0 | 43.4 | 0.0 | 0.0 | 250.0 | 250.0 | 0.0 | 250.0 | 250.0 | 187.2 |
| 1980 | 126.9 | 92.7 | 34.3 | 0.0 | 138.0 | 0.0 | 250.0 | 250.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 46.0 | 0.0 | 0.0 | 0.0 | 65.9 | 0.0 | 250.0 | 203.3 | 143.5 |
| 1982 | 123.7 | 96.3 | 0.0 | 0.0 | 0.0 | 0.0 | 70.0 | 250.0 | 0.0 | 0.0 | 70.0 | 250.0 |
| 1983 | 0.0 | 161.5 | 0.0 | 0.0 | 0.0 | 0.0 | 215.2 | 222.1 | 0.0 | 70.0 | 250.0 | 0.0 |
| 1984 | 0.0 | 157.5 | 0.0 | 113.7 | 0.0 | 0.0 | 250.0 | 222.8 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.9 | 0.0 | 250.0 | 201.4 | 150.9 |
| 1986 | 134.9 | 117.9 | 44.1 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 57.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 225.8 | 211.1 |
| 1988 | 130.7 | 83.1 | 56.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 169.4 | 139.9 |
| 1989 | 94.9 | 71.3 | 50.6 | 35.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 122.9 | 250.0 |
| 1990 | 250.0 | 207.3 | 181.6 | 175.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 250.0 |
| 1991 | 250.0 | 210.0 | 192.0 | 187.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 250.0 |
| 1992 | 250.0 | 210.0 | 192.0 | 187.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 250.0 |
| 1993 | 250.0 | 210.0 | 192.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1994 | 0.0 | 0.0 | 250.0 | 32.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 213.3 | 82.2 | 111.9 |
| 1995 | 110.0 | 208.2 | 190.6 | 0.0 | 0.0 | 113.8 | 250.0 | 70.0 | 0.0 | 250.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 250.0 | 0.0 | 0.0 | 250.0 | 242.9 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 222.3 | 0.0 | 0.0 | 250.0 | 250.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 47.0 | 0.0 | 250.0 | 215.7 | 0.0 | 250.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 221.8 | 0.0 | 0.0 | 250.0 | 250.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 229.7 | 0.0 | 0.0 | 250.0 | 250.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 50.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 233.8 | 250.0 |
| 2002 | 152.6 | 115.5 | 62.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250.0 | 159.6 | 181.9 |
| 2003 | 102.5 | 69.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 163.6 | 0.0 | 250.0 | 250.0 | 250.0 |
| | | | | | | | | | | | | |
| Average | 70.4 | 69.5 | 56.9 | 34.6 | 5.4 | 3.3 | 100.7 | 128.9 | 12.9 | 130.7 | 207.5 | 199.1 |
| Critical | 135.3 | 113.6 | 131.4 | 98.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.9 | 231.8 | 191.2 | 193.8 |
| Dry | 41.3 | 31.1 | 18.8 | 31.8 | 0.0 | 0.0 | 0.0 | 29.5 | 0.0 | 250.0 | 191.1 | 197.9 |
| BN | 0.0 | 0.0 | 125.0 | 63.3 | 0.0 | 0.0 | 125.0 | 125.0 | 0.0 | 250.0 | 250.0 | 162.0 |
| AN | 138.4 | 106.6 | 69.7 | 0.0 | 23.0 | 0.0 | 106.7 | 190.6 | 0.0 | 41.7 | 250.0 | 250.0 |
| Wet | 28.4 | 57.0 | 18.1 | 13.3 | 3.6 | 8.8 | 195.0 | 216.4 | 0.0 | 43.8 | 197.7 | 184.8 |

Table 6-7. EBMUD at Freeport export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1977 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1978 | 62.5 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1982 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1988 | 62.5 | 62.5 | 62.5 | 62.5 | 65.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1989 | 62.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1990 | 62.5 | 34.5 | 33.0 | 0.9 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1991 | 67.9 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1992 | 62.5 | 62.5 | 62.5 | 1.2 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1993 | 0.0 | 6.8 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1995 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 2002 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 18.5 | 11.2 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 11.0 | 11.0 | 20.2 | 20.2 | 20.2 |
| Critical | 45.4 | 31.7 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 44.6 | 44.6 | 62.5 | 62.5 | 62.5 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 10.4 | 41.7 | 41.7 | 41.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-8. EBMUD at Freeport export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1977 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1978 | 73.1 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1982 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1988 | 73.1 | 73.1 | 73.1 | 73.1 | 79.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1989 | 73.1 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1990 | 73.1 | 40.3 | 38.6 | 1.1 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1991 | 84.7 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1992 | 73.1 | 73.1 | 73.1 | 1.4 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1993 | 0.0 | 7.9 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1995 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 2002 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 21.8 | 13.1 | 12.2 | 4.4 | 4.5 | 6.4 | 6.4 | 12.9 | 12.9 | 23.6 | 23.6 | 23.6 |
| Critical | 53.9 | 37.1 | 36.8 | 21.2 | 21.7 | 31.3 | 31.3 | 52.2 | 52.2 | 73.1 | 73.1 | 73.1 |
| Dry | 24.4 | 13.6 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 12.2 | 48.7 | 48.7 | 48.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 12.2 | 5.2 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 11.2 | 5.6 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-9. CVP-Jones export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.9 | 0.0 | 962.3 | 1853.9 | 574.1 |
| 1977 | -51.9 | -45.0 | -38.3 | -52.7 | -34.6 | -33.0 | -42.0 | -14.5 | 0.0 | 1760.0 | 0.0 | 389.1 |
| 1978 | -60.9 | -41.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 722.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -28.6 | 0.0 | 611.5 | 0.0 |
| 1982 | -37.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -13.4 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -9.1 | 0.0 | 0.0 | -7.2 | -9.2 | -8.9 | -4.1 |
| 1986 | -3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -6.8 | -5.0 | 0.0 | 0.0 | 0.0 | -25.1 | -51.1 | -71.4 | 460.3 | 2369.0 | 555.9 |
| 1988 | -72.3 | -44.5 | 0.0 | 0.0 | 0.0 | -62.6 | 0.0 | -65.9 | -29.6 | 1682.8 | 955.6 | 486.3 |
| 1989 | -83.6 | -64.5 | 0.0 | -70.3 | -65.3 | 0.0 | 0.0 | -94.1 | -83.0 | 0.0 | 630.0 | 0.0 |
| 1990 | -55.5 | -52.1 | -45.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1812.9 | 838.5 | 525.3 |
| 1991 | -82.2 | -78.6 | -64.9 | -60.9 | 0.0 | 0.0 | 0.0 | 0.0 | -69.9 | 1551.8 | 689.1 | 397.6 |
| 1992 | -67.9 | -69.5 | -53.7 | -52.5 | 0.0 | 0.0 | 0.0 | -105.9 | -108.5 | 369.2 | 953.1 | 387.8 |
| 1993 | 0.0 | -73.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 503.3 |
| 1995 | -76.2 | -42.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -33.6 | 0.0 | -30.0 |
| 1998 | -29.6 | -38.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -14.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -18.5 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -76.4 | 411.6 | 1223.4 | 554.4 |
| 2002 | -100.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 235.6 | 0.0 | 0.0 |
| Average | -21.2 | -16.8 | -6.9 | -7.0 | 18.3 | -3.1 | -2.0 | -10.0 | -14.0 | 269.8 | 297.5 | 127.6 |
| Critical | -47.1 | -41.4 | -29.0 | -23.7 | -4.9 | -13.6 | -6.0 | -27.8 | -29.7 | 1162.7 | 755.7 | 466.2 |
| Dry | -30.7 | -14.2 | -2.9 | -11.7 | -10.9 | -1.5 | -4.2 | -24.2 | -44.4 | 143.8 | 804.2 | 184.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -10.1 | -19.1 | -2.4 | 0.0 | 120.4 | 0.0 | 0.0 | 0.0 | 0.0 | 36.2 | 0.0 | 0.0 |
| Wet | -11.3 | -6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.6 | 0.0 | -2.3 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-10. CVP-Jones export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 28.8 | 171.6 | 24.1 |
| 1977 | -2.4 | -2.1 | -1.2 | -1.1 | -2.6 | -4.1 | -5.3 | -1.8 | 0.0 | 260.4 | 0.0 | 28.1 |
| 1978 | -3.4 | -2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 59.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | 0.0 | 15.3 | 0.0 |
| 1982 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | -0.4 | -0.2 | -0.2 | -0.1 |
| 1986 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -3.1 | -6.4 | -4.4 | 11.1 | 130.7 | 17.5 |
| 1988 | -1.6 | -1.1 | 0.0 | 0.0 | 0.0 | -7.8 | 0.0 | -8.2 | -9.0 | 57.7 | 53.1 | 23.4 |
| 1989 | -2.6 | -2.6 | 0.0 | -2.5 | -3.2 | 0.0 | 0.0 | -11.8 | -3.5 | 0.0 | 18.4 | 0.0 |
| 1990 | -2.0 | -1.6 | -1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.0 | 27.5 | 24.3 |
| 1991 | -3.1 | -3.1 | -2.9 | -7.6 | 0.0 | 0.0 | 0.0 | 0.0 | -4.5 | 50.9 | 21.4 | 14.5 |
| 1992 | -3.1 | -2.9 | -4.6 | -2.4 | 0.0 | 0.0 | 0.0 | -12.4 | -4.7 | 8.7 | 29.6 | 15.7 |
| 1993 | 0.0 | -2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 |
| 1995 | -4.4 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 |
| 1998 | -0.7 | -3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | 9.8 | 42.7 | 24.4 |
| 2002 | -2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | -0.8 | -0.7 | -0.3 | -0.4 | 1.6 | -0.4 | -0.2 | -1.2 | -0.9 | 14.6 | 15.0 | 5.4 |
| Critical | -1.7 | -1.6 | -1.5 | -1.6 | -0.4 | -1.7 | -0.8 | -3.3 | -2.6 | 67.4 | 43.3 | 20.4 |
| Dry | -0.8 | -0.5 | -0.1 | -0.4 | -0.5 | 0.0 | -0.5 | -3.0 | -2.2 | 3.5 | 34.5 | 7.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.8 | -0.1 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| Wet | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 |

Table 6-11. SWP-Banks export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -55.5 | 460.6 | -52.5 |
| 1977 | -42.5 | -36.8 | -31.4 | -17.6 | -28.3 | -27.4 | 0.0 | 0.0 | 0.0 | -86.2 | 637.0 | -41.3 |
| 1978 | 0.0 | -33.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -12.1 | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -9.5 | 0.0 | 1004.0 | -96.2 |
| 1982 | -30.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.5 | 0.0 | 0.0 | -3.2 | -3.1 | -3.0 | -5.2 |
| 1986 | -5.0 | -8.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -2.3 | -4.0 | 0.0 | 0.0 | 0.0 | -20.5 | -19.9 | -23.8 | 965.9 | -36.9 | -67.4 |
| 1988 | -59.1 | -52.3 | 0.0 | 0.0 | 0.0 | -24.6 | 0.0 | 0.0 | 0.0 | 635.1 | -41.6 | -74.9 |
| 1989 | -68.3 | -78.8 | 0.0 | -57.5 | -53.4 | 0.0 | 0.0 | -31.4 | -27.7 | -2.5 | 136.7 | -76.4 |
| 1990 | -45.4 | -42.6 | -37.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 395.5 | -41.8 | -75.9 |
| 1991 | -35.1 | -35.0 | -27.3 | -49.8 | 0.0 | 0.0 | 0.0 | 0.0 | -31.9 | 166.4 | -37.3 | -66.1 |
| 1992 | -55.5 | -30.8 | -61.1 | -55.9 | 0.0 | 0.0 | 0.0 | 0.0 | -30.1 | 1908.6 | -40.0 | -76.0 |
| 1993 | 0.0 | -59.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -64.2 | 2418.7 | -56.9 |
| 1995 | 0.0 | -48.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -25.5 | 2002.9 | -37.7 | -68.6 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -61.0 | -16.3 | -49.2 | -25.3 |
| 2003 | -2.9 | -24.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 496.0 | -14.6 | -4.7 |
| | | | | | | | | | | | | |
| Average | -10.5 | -13.3 | -5.0 | -5.3 | -2.0 | -1.8 | -0.6 | -1.5 | -6.3 | 186.5 | 128.1 | -23.2 |
| Critical | -33.9 | -28.2 | -22.5 | -17.6 | -4.1 | -7.4 | 0.0 | 0.0 | -8.9 | 414.2 | 479.4 | -63.4 |
| Dry | -11.4 | -13.5 | -2.3 | -9.6 | -8.9 | -1.2 | -3.4 | -8.6 | -25.1 | 491.1 | 169.0 | -56.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -2.5 | -19.6 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 82.7 | -2.4 | -0.8 |
| Wet | -2.8 | -4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-12. SWP-Banks export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|-------|------|------|------|------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 19.8 | -2.6 |
| 1977 | -1.8 | -1.8 | -1.3 | -1.9 | -1.7 | -3.5 | 0.0 | 0.0 | -0.1 | -15.5 | 86.6 | -2.7 |
| 1978 | 0.0 | -1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | 0.0 | 21.6 | -1.8 |
| 1982 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | -0.1 |
| 1986 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.7 | -1.2 | -1.5 | 46.1 | -3.7 | -2.9 |
| 1988 | -13.5 | -5.8 | 0.0 | 0.0 | 0.0 | -1.5 | 0.0 | 0.0 | 0.0 | 36.8 | -11.9 | -5.0 |
| 1989 | -17.6 | -2.2 | 0.0 | -1.8 | -4.0 | 0.0 | 0.0 | -4.5 | -1.2 | 0.0 | 1.9 | -1.1 |
| 1990 | -0.9 | -2.3 | -2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | -7.6 | -3.5 |
| 1991 | -5.2 | -2.6 | -2.0 | -12.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.0 | 4.3 | -9.8 | -8.7 |
| 1992 | -3.7 | -2.4 | -3.4 | -2.6 | 0.0 | 0.0 | 0.0 | 0.0 | -9.1 | 214.1 | -11.4 | -3.6 |
| 1993 | 0.0 | -11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.9 | 169.9 | -1.5 |
| 1995 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | 81.5 | -4.2 | -2.2 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.8 | -0.2 | -1.7 | -0.5 |
| 2003 | -0.2 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | -0.2 | -0.1 |
| Average | -1.3 | -1.0 | -0.3 | -0.5 | -0.2 | -0.2 | -0.1 | -0.2 | -0.6 | 11.2 | 7.3 | -1.1 |
| Critical | -3.6 | -2.1 | -1.4 | -2.4 | -0.2 | -0.7 | 0.0 | 0.0 | -1.6 | 35.3 | 33.7 | -3.9 |
| Dry | -2.9 | -0.4 | 0.0 | -0.3 | -0.7 | 0.0 | -0.6 | -0.9 | -1.7 | 21.2 | 2.3 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-13. CCDW Old River export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.1 | 45.1 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.4 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.7 | 22.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.1 | 65.3 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 21.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-14. CCDW Old River export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.2 |
| 1990 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.4 | 46.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1378.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 47.6 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.4 | 21.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 283.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-15. CCDW Rock Slough export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 64.7 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 44.6 | 62.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 18.8 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.1 | 8.5 | 10.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 0.0 | 13.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-16. CCDW Rock Slough export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|-----|-----|-----|-----|-----|------|-----|-----|-------|-------|-----|
| 1970 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.1 | |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.7 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.6 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 102.5 | 0.0 | |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.1 | |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.1 | |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.9 | | |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.8 | 0.0 | |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5 | 68.6 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 180.7 | 377.5 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.3 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-17. CCDW Victoria Canal export difference (cfs) All Transfers minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 84.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 | 38.9 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 80.6 | 84.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 8.3 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-18. CCDW Victoria Canal export (cfs) percent difference of All Transfers from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 93.6 | 80.3 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 18.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.6 | 60.1 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 6.6 | 4.7 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 20.2 | 20.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.0 | 3.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-19. EBMUD at Freeport export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1977 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1978 | 62.5 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1982 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1988 | 62.5 | 62.5 | 62.5 | 62.5 | 65.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1989 | 62.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.7 | 5.6 |
| 1990 | 0.0 | 12.6 | 33.0 | 0.9 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1991 | 67.9 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1992 | 62.5 | 62.5 | 62.5 | 1.2 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1993 | 0.0 | 6.8 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1995 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 2002 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 16.7 | 10.6 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 9.2 | 9.2 | 18.4 | 18.8 | 18.5 |
| Critical | 36.5 | 28.6 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 44.6 | 44.6 | 62.5 | 62.5 | 62.5 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.3 | 33.9 | 32.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-20. EBMUD at Freeport export (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1977 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1978 | 73.1 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1982 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1988 | 73.1 | 73.1 | 73.1 | 73.1 | 79.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1989 | 73.1 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.4 | 6.5 |
| 1990 | 0.0 | 14.8 | 38.6 | 1.1 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1991 | 84.7 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1992 | 73.1 | 73.1 | 73.1 | 1.4 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1993 | 0.0 | 7.9 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1995 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 2002 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 19.7 | 12.4 | 12.2 | 4.4 | 4.5 | 6.4 | 6.4 | 10.7 | 10.7 | 21.5 | 22.0 | 21.7 |
| Critical | 43.4 | 33.4 | 36.8 | 21.2 | 21.7 | 31.3 | 31.3 | 52.2 | 52.2 | 73.1 | 73.1 | 73.1 |
| Dry | 24.4 | 13.6 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 | 39.6 | 37.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 12.2 | 5.2 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 11.2 | 5.6 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-21. CVP-Jones export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|--------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 872.4 | 850.0 | 273.7 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1070.5 | 0.0 | 222.4 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 460.3 | 1154.1 | 273.7 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1275.4 | 436.6 | 250.5 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1314.9 | 472.5 | 273.7 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1070.5 | 393.2 | 222.4 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 369.2 | 413.0 | 208.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 198.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 411.6 | 472.5 | 273.7 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 201.3 | 123.7 | 64.6 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 853.3 | 366.5 | 235.5 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 145.3 | 273.3 | 91.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-22. CVP-Jones export (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.1 | 78.7 | 11.5 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 158.4 | 0.0 | 16.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.1 | 63.7 | 8.6 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.7 | 24.3 | 12.1 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.2 | 15.5 | 12.7 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.1 | 12.2 | 8.1 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 12.8 | 8.4 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 16.5 | 12.1 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 6.6 | 2.8 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.6 | 20.5 | 10.6 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 13.4 | 3.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-23. SWP-Banks export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 393.2 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -146.4 | 1057.1 | -420.1 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 224.7 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -45.5 | 260.2 | -33.6 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1404.6 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -229.4 | 1350.5 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1459.3 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 325.3 | -244.0 | -84.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 88.0 | 82.9 | -15.8 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 167.9 | 249.1 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 248.7 | 219.6 | -75.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.2 | -40.7 | -14.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-24. SWP-Banks export (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.4 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.1 | 22.7 | -7.8 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 3.7 | -0.5 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 157.6 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | 94.9 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59.4 | 0.0 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | -3.4 | -1.3 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 5.0 | -0.3 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 21.2 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.2 | 4.4 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | -0.6 | -0.2 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-25. CCDW Old River export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.1 | 45.1 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.7 | 22.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.1 | 65.3 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 5.5 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 18.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-26. CCDW Old River export (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.4 | 46.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1378.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 46.4 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.4 | 21.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 275.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-27. CCDW Rock Slough export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 44.6 | 62.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 18.8 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | 8.5 | 8.2 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.1 | 0.0 | 3.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-28. CCDW Rock Slough export (cfs) percent difference of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.7 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.6 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.9 | | |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.8 | 0.0 | |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.5 | 68.6 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 180.7 | 377.5 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.3 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-29. CCDW Victoria Canal export difference (cfs) No Groundwater Substitution minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 84.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 | 38.9 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 80.6 | 84.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 6.0 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-30. CCDW Victoria Canal export difference (cfs) of No Groundwater Substitution from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 93.6 | 80.3 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 18.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.6 | 60.1 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.7 | 4.7 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 20.2 | 20.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-31. EBMUD at Freeport export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1977 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1978 | 62.5 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1982 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1988 | 62.5 | 62.5 | 62.5 | 62.5 | 65.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1989 | 62.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1990 | 62.5 | 34.5 | 33.0 | 0.9 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1991 | 67.9 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1992 | 62.5 | 62.5 | 62.5 | 1.2 | 0.0 | 0.0 | 0.0 | 20.3 | 19.7 | 0.0 | 42.4 | 15.5 |
| 1993 | 0.0 | 6.8 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1995 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 2002 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 18.5 | 11.2 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 9.8 | 9.8 | 18.4 | 19.6 | 18.8 |
| Critical | 45.4 | 31.7 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 38.6 | 38.5 | 53.6 | 59.6 | 55.8 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 10.4 | 41.7 | 41.7 | 41.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-32. EBMUD at Freeport export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1977 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1978 | 62.5 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1982 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1988 | 62.5 | 62.5 | 62.5 | 62.5 | 65.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1989 | 62.5 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1990 | 62.5 | 34.5 | 33.0 | 0.9 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1991 | 67.9 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 1992 | 62.5 | 62.5 | 62.5 | 1.2 | 0.0 | 0.0 | 0.0 | 20.3 | 19.7 | 0.0 | 42.4 | 15.5 |
| 1993 | 0.0 | 6.8 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 1995 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5 | 62.5 | 62.5 |
| 2002 | 62.5 | 62.5 | 62.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 18.5 | 11.2 | 10.5 | 3.7 | 3.8 | 5.5 | 5.5 | 9.8 | 9.8 | 18.4 | 19.6 | 18.8 |
| Critical | 45.4 | 31.7 | 31.5 | 18.2 | 18.3 | 26.8 | 26.8 | 38.6 | 38.5 | 53.6 | 59.6 | 55.8 |
| Dry | 20.8 | 11.7 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 10.4 | 41.7 | 41.7 | 41.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 10.4 | 4.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 9.6 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-33. EBMUD at Freeport export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1977 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1978 | 73.1 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1982 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1988 | 73.1 | 73.1 | 73.1 | 73.1 | 79.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1989 | 73.1 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1990 | 73.1 | 40.3 | 38.6 | 1.1 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1991 | 84.7 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 1992 | 73.1 | 73.1 | 73.1 | 1.4 | 0.0 | 0.0 | 0.0 | 23.7 | 23.1 | 0.0 | 49.6 | 18.1 |
| 1993 | 0.0 | 7.9 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 1995 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.1 | 73.1 | 73.1 |
| 2002 | 73.1 | 73.1 | 73.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 21.8 | 13.1 | 12.2 | 4.4 | 4.5 | 6.4 | 6.4 | 11.4 | 11.4 | 21.5 | 23.0 | 22.0 |
| Critical | 53.9 | 37.1 | 36.8 | 21.2 | 21.7 | 31.3 | 31.3 | 45.2 | 45.1 | 62.7 | 69.7 | 65.2 |
| Dry | 24.4 | 13.6 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 12.2 | 48.7 | 48.7 | 48.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 12.2 | 5.2 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 11.2 | 5.6 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-34. CVP-Jones export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.9 | 0.0 | 944.1 | 1114.4 | 352.2 |
| 1977 | -51.8 | -45.0 | -38.3 | -52.7 | -34.6 | -33.0 | -42.0 | -14.5 | 0.0 | 918.2 | 0.0 | 173.6 |
| 1978 | -60.9 | -41.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 722.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -28.6 | 0.0 | 611.5 | 0.0 |
| 1982 | -37.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -13.4 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -9.1 | 0.0 | 0.0 | -7.2 | -9.2 | -8.9 | -4.1 |
| 1986 | -3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -6.8 | -4.9 | 0.0 | 0.0 | 0.0 | -25.1 | -51.1 | -71.4 | 460.3 | 1530.7 | 334.0 |
| 1988 | -72.3 | -44.5 | 0.0 | 0.0 | 0.0 | -62.6 | 0.0 | -65.9 | -29.6 | 1682.8 | 468.6 | 276.6 |
| 1989 | -83.5 | -64.5 | 0.0 | -70.2 | -65.3 | 0.0 | 0.0 | -94.1 | -83.0 | 0.0 | 629.9 | 0.0 |
| 1990 | -55.5 | -52.1 | -46.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1377.4 | 494.9 | 303.5 |
| 1991 | -82.2 | -78.6 | -64.9 | -60.9 | 0.0 | 0.0 | 0.0 | 0.0 | -69.9 | 911.2 | 355.2 | 182.0 |
| 1992 | -67.9 | -69.5 | -53.7 | -52.5 | 0.0 | 0.0 | 0.0 | -105.9 | -108.5 | 369.2 | 616.6 | 197.8 |
| 1993 | 0.0 | -73.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 305.3 |
| 1995 | -76.2 | -43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -33.6 | 0.0 | -30.0 |
| 1998 | -29.6 | -38.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -14.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -18.5 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -76.3 | 411.6 | 536.0 | 332.6 |
| 2002 | -100.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 235.6 | 0.0 | 0.0 |
| Average | -21.2 | -16.8 | -6.9 | -6.9 | 18.3 | -3.1 | -2.0 | -10.0 | -14.0 | 212.8 | 186.7 | 71.3 |
| Critical | -47.1 | -41.4 | -29.0 | -23.7 | -4.9 | -13.7 | -6.0 | -27.7 | -29.7 | 886.1 | 435.7 | 255.8 |
| Dry | -30.7 | -14.2 | -2.9 | -11.7 | -10.9 | -1.5 | -4.2 | -24.2 | -44.4 | 143.8 | 549.9 | 110.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -10.2 | -19.0 | -2.5 | 0.0 | 120.4 | 0.0 | 0.0 | 0.0 | 0.0 | 36.2 | 0.0 | 0.0 |
| Wet | -11.3 | -6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.6 | 0.0 | -2.3 |

Table 6-35. CVP-Jones export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|------|------|------|------|------|------|------|-------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 28.3 | 103.2 | 14.8 |
| 1977 | -2.4 | -2.1 | -1.2 | -1.1 | -2.6 | -4.1 | -5.2 | -1.8 | 0.0 | 135.9 | 0.0 | 12.5 |
| 1978 | -3.4 | -2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 59.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.7 | 0.0 | 15.3 | 0.0 |
| 1982 | -0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | -0.4 | -0.2 | -0.2 | -0.1 |
| 1986 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.2 | -0.1 | 0.0 | 0.0 | 0.0 | -3.1 | -6.4 | -4.4 | 11.1 | 84.4 | 10.5 |
| 1988 | -1.6 | -1.1 | 0.0 | 0.0 | 0.0 | -7.8 | 0.0 | -8.2 | -9.0 | 57.7 | 26.0 | 13.3 |
| 1989 | -2.6 | -2.6 | 0.0 | -2.5 | -3.2 | 0.0 | 0.0 | -11.8 | -3.5 | 0.0 | 18.4 | 0.0 |
| 1990 | -2.0 | -1.6 | -1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49.4 | 16.3 | 14.1 |
| 1991 | -3.1 | -3.1 | -2.9 | -7.6 | 0.0 | 0.0 | 0.0 | 0.0 | -4.5 | 29.9 | 11.0 | 6.7 |
| 1992 | -3.1 | -2.9 | -4.6 | -2.4 | 0.0 | 0.0 | 0.0 | -12.4 | -4.7 | 8.7 | 19.1 | 8.0 |
| 1993 | 0.0 | -2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 |
| 1995 | -4.4 | -1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | 0.0 | -0.7 |
| 1998 | -0.7 | -3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.3 | 9.8 | 18.7 | 14.7 |
| 2002 | -2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.0 | 0.0 |
| Average | -0.8 | -0.7 | -0.3 | -0.4 | 1.6 | -0.4 | -0.2 | -1.2 | -0.9 | 9.8 | 9.2 | 3.0 |
| Critical | -1.7 | -1.6 | -1.5 | -1.6 | -0.4 | -1.7 | -0.7 | -3.3 | -2.6 | 44.3 | 25.1 | 11.0 |
| Dry | -0.8 | -0.5 | -0.1 | -0.4 | -0.5 | 0.0 | -0.5 | -3.0 | -2.2 | 3.5 | 22.8 | 4.2 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.6 | -0.8 | -0.1 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| Wet | -0.5 | -0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-36. SWP-Banks export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -20.6 | -27.3 | -52.5 |
| 1977 | -42.4 | -36.8 | -31.3 | -17.6 | -28.3 | -27.4 | 0.0 | 0.0 | 0.0 | -86.2 | 303.3 | -41.2 |
| 1978 | 0.0 | -33.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -12.1 | 0.0 | 0.0 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -9.5 | -4.0 | 973.6 | -103.6 |
| 1982 | -30.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -7.4 | 0.0 | 0.0 | -3.2 | -3.1 | -3.0 | -5.1 |
| 1986 | -4.9 | -9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -2.3 | -4.0 | 0.0 | 0.0 | 0.0 | -20.6 | -19.9 | -23.8 | 587.6 | -36.9 | -67.4 |
| 1988 | -59.2 | -52.3 | 0.0 | 0.0 | 0.0 | -24.6 | 0.0 | 0.0 | 0.0 | -28.0 | -41.6 | -75.0 |
| 1989 | -68.3 | -78.8 | 0.0 | -57.5 | -53.5 | 0.0 | 0.0 | -31.4 | -27.7 | -2.6 | 136.7 | -76.3 |
| 1990 | -45.4 | -42.6 | -37.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -36.3 | -41.9 | -75.8 |
| 1991 | -35.1 | -34.9 | -27.2 | -49.8 | 0.0 | 0.0 | 0.0 | 0.0 | -31.9 | -34.8 | -37.4 | -66.1 |
| 1992 | -55.5 | -30.8 | -61.1 | -55.9 | 0.0 | 0.0 | 0.0 | 0.0 | -30.1 | 1129.4 | -40.0 | -76.0 |
| 1993 | 0.0 | -59.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.7 | 1270.4 | -56.9 |
| 1995 | 0.0 | -48.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -25.4 | 1473.7 | -37.7 | -68.6 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -61.0 | -16.3 | -49.2 | -25.3 |
| 2003 | -2.9 | -24.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 496.0 | -14.6 | -4.7 |
| | | | | | | | | | | | | |
| Average | -10.5 | -13.3 | -5.0 | -5.3 | -2.0 | -1.7 | -0.6 | -1.5 | -6.3 | 101.6 | 69.2 | -23.4 |
| Critical | -33.9 | -28.2 | -22.5 | -17.6 | -4.0 | -7.4 | 0.0 | 0.0 | -8.9 | 131.8 | 197.9 | -63.4 |
| Dry | -11.4 | -13.5 | -2.4 | -9.6 | -8.9 | -1.2 | -3.4 | -8.5 | -25.1 | 339.2 | 163.9 | -57.7 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -2.5 | -19.6 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 82.7 | -2.4 | -0.8 |
| Wet | -2.7 | -4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-37. SWP-Banks export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-------|-------|------|-------|------|------|------|------|------|-------|-------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -1.2 | -2.6 |
| 1977 | -1.8 | -1.8 | -1.3 | -1.9 | -1.7 | -3.5 | 0.0 | 0.0 | 0.0 | -15.5 | 41.2 | -2.7 |
| 1978 | 0.0 | -1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.6 | -0.1 | 20.9 | -1.9 |
| 1982 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | 0.0 | 0.0 | -0.2 | 0.0 | -0.1 | -0.1 |
| 1986 | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | -3.7 | -1.2 | -1.5 | 28.0 | -3.7 | -2.9 |
| 1988 | -13.5 | -5.8 | 0.0 | 0.0 | 0.0 | -1.5 | 0.0 | 0.0 | 0.0 | -1.6 | -11.9 | -5.0 |
| 1989 | -17.7 | -2.2 | 0.0 | -1.8 | -4.0 | 0.0 | 0.0 | -4.5 | -1.2 | 0.0 | 1.9 | -1.1 |
| 1990 | -0.9 | -2.3 | -2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.8 | -7.6 | -3.5 |
| 1991 | -5.2 | -2.6 | -2.0 | -12.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.0 | -0.9 | -9.8 | -8.7 |
| 1992 | -3.7 | -2.4 | -3.4 | -2.6 | 0.0 | 0.0 | 0.0 | 0.0 | -9.1 | 126.7 | -11.4 | -3.6 |
| 1993 | 0.0 | -11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.2 | -1.5 |
| 1995 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -2.7 | 60.0 | -4.2 | -2.2 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -3.8 | -0.2 | -1.7 | -0.5 |
| 2003 | -0.2 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | -0.2 | -0.1 |
| Average | -1.3 | -1.0 | -0.3 | -0.5 | -0.2 | -0.2 | -0.1 | -0.2 | -0.6 | 6.0 | 3.0 | -1.1 |
| Critical | -3.6 | -2.1 | -1.4 | -2.4 | -0.2 | -0.7 | 0.0 | 0.0 | -1.6 | 15.4 | 12.6 | -3.9 |
| Dry | -2.9 | -0.4 | 0.0 | -0.3 | -0.7 | 0.0 | -0.6 | -0.9 | -1.7 | 14.6 | 2.2 | -1.4 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | -0.1 | -2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| Wet | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-38. CCDW Old River export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.1 | 45.1 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.4 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.7 | 22.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.1 | 65.3 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 11.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 21.6 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-39. CCDW Old River export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.2 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.4 | 46.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1378.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 47.6 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.4 | 21.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 283.3 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-40. CCDW Rock Slough export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 64.7 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 65.5 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 44.6 | 62.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 | 18.8 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.1 | 8.5 | 10.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.1 | 41.2 | 36.9 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 0.0 | 13.9 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-41. CCDW Rock Slough export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.7 | 0.0 | 0.0 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.6 | 0.0 | 0.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 102.5 | 0.0 | |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 396.4 | 755.0 | |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.9 | | |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.8 | 0.0 | |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5 | 68.6 | 0.0 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 180.7 | 377.5 | 0.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.3 | 0.0 | 0.0 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Long-Term Water Transfers
Final EIS/EIR

Table 6-42. CCDW Victoria Canal export difference (cfs) No Crop Idle minus Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 81.3 | 84.0 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 | 38.9 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 80.6 | 84.0 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81.3 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 8.3 | 6.1 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.1 | 24.0 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.3 | 6.5 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 6-43. CCDW Victoria Canal export (cfs) percent difference of No Crop Idle from Base.

| WY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1970 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1973 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1974 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1975 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1976 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 93.6 | 80.3 |
| 1977 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1978 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1980 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1981 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1985 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1987 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 18.4 |
| 1988 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.6 | 60.1 |
| 1989 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.1 | 0.0 |
| 1990 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1991 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1992 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1993 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1994 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1995 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1996 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1997 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1998 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1999 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 |
| 2002 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2003 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | | | |
| Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 6.6 | 4.7 |
| Critical | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 20.2 | 20.1 |
| Dry | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.0 | 3.1 |
| BN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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