Appendix 6B
Water Resources System Modeling

Line items and numbers identified or noted as “No Action Alternative” represent the “Existing Conditions/No Project/No Action Condition” (described in Chapter 2 Alternatives Analysis). Table numbering may not be consecutive for all appendixes.

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APPENDIX 6B
Water Resources System Modeling

6B.1 Overview and Description

6B.1.1 Introduction

This appendix provides a description of the overall analytical process used in evaluating Sites Reservoir Project (Project) alternatives for the Sites Reservoir Project Draft Environmental Impact Report/Environmental Impact Statement (Project DEIR/EIS). It provides additional detail to the analytical framework discussion provided in Chapter 5 Guide to the Resource Analyses. In addition, this appendix also describes the CALSIM II model that was used to study the operational changes under the DEIR/EIS Alternatives and results used in the detailed evaluation of alternatives.

6B.1.2 Analytical Framework

Project alternatives were formulated to achieve multiple benefits. Chapter 3 Description of the Sites Reservoir Project Alternatives describes the primary and secondary objectives of the Project. Project alternatives operations are primarily focused on improving water supply reliability, Delta water quality, survival of anadromous fish and flexible hydropower generation. The analytical framework, tools, and analyses were formulated for evaluating the benefits and impacts of Project alternatives for all the primary objectives. The framework provides for iteratively refining operations criteria to minimize both the systemwide and localized impacts on various resources while maximizing the benefits of the Project operations in meeting the multiple primary objectives.

A detailed list of the modeling tools and analyses that are part of the analytical framework is provided in Chapter 5 Guide to the Resource Analyses. Figure 6B-1 shows the key models that are part of the analytical framework. It also shows the data flow among the models. The primary model in the framework is CALSIM II with inputs describing the hydrology, facilities, water management, regulatory standards, and operational criteria assumptions. CALSIM II outputs regarding system operation decisions including deliveries, flows and storages are then used by every other model in the analytical framework. CALSIM II operations were informed based on the reporting metrics from various models that simulate river temperatures, anadromous fish survival and population, Delta water quality, hydropower generation and socioeconomics.

Once refined and finalized, for each DEIR/EIS Alternative, CALSIM II results were used to study the systemwide impacts in various resource areas including surface water, recreation, fluvial geomorphology and riparian habitat, flood control, groundwater, aquatic biology, botanical, terrestrial, socioeconomics, climate change, power, growth inducing etc.

Upper Sacramento River Daily Operations Model (USRDOM) uses the CALSIM II outputs regarding the operational controls and reservoir releases to simulate daily reservoir operations and daily river flows for the upper Sacramento River from Shasta Dam to Knights Landing. For evaluating Project operations under DEIR/EIS Alternatives, CALSIM II and USRDOM were simulated iteratively to determine potential restrictions on the Sites Reservoir diversions due to pulse flow conditions in Sacramento River. USRDOM is described in Appendix 6C Upper Sacramento River Daily River Flow and Operations Modeling. USRDOM results were also used to study the impacts in the Surface Water Resources. In

addition, CALSIM II and/or USRDOM results were used by other models in the framework to generate the reporting metrics to evaluate systemwide impacts for various DEIR/EIS resources.

Figure 6B-1 shows the key reporting metrics for each modeling tool in the analytical framework. Delta Simulation Model (DSM2), described in Appendix 7D Sacramento-San Joaquin Delta Modeling, was used to simulate hydrodynamics (flow, velocity and water levels) and water quality (salinity) in the Sacramento-San Joaquin Delta. The Upper Sacramento River Water Quality Model (USRWQM), described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures in the upper Sacramento River, from Shasta Lake to Knights Landing, including the CVP facilities in the Trinity River basin and the tributaries along the Sacramento River. The Bureau of Reclamation (Reclamation) Temperature Model, described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures in the Trinity River, Feather River, and Stanislaus River. The Folsom CE-QUAL-W2 model, described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures on the American River. Using the flow results from USRDOM and temperature results from USRWQM, SALMOD and IOS models were simulated to study the impacts of DEIR/EIS Alternatives on the anadromous fish in the Sacramento River. Similarly, using the temperature and flow results from the Reclamation Temperature Model, the Reclamation Salmon Mortality Model simulates the impacts of the DEIR/EIS Alternatives on early life stage mortality of salmonids in the Trinity, Sacramento, Feather, and American rivers. SALMOD, IOS and Reclamation Salmon Mortality Models are described in Appendix 12xx. LTGEN, SWP Power, NODOS Power and other power modeling tools, described in Appendix 31A Power Planning Study (PARO) and Appendix 31B CVP-SWP Power Modeling, were used to study the impacts of DEIR/EIS Alternatives on the power production and use. Several economic modeling tools, described in the appendixes for Chapter 22 Socioeconomics, were used to study the impact of the DEIR/EIS Alternatives on the agricultural water supply economics, urban water supply and water quality economics and other regional socioeconomics. Several other analytical tools and models that are not shown in the Figure 6B-1, but described in Chapter 5 Guide to the Resource Analyses and other resource chapters, were used in the detailed systemwide impact analysis of the DEIR/EIS Alternatives.

In addition to the studying the systemwide impacts, the analytical framework was also used to study the local impacts in the primary and secondary study areas. Figure 6B-2 shows the key modeling tools used to study the local watershed impacts under various resource areas. The daily river flows from the USRDOM were used to simulate the impacts to fluvial geomorphology and riparian habitat in the upper Sacramento River, using SRH tools. The SRH tools are described in the appendixes for Chapter 8 Fluvial Geomorphology and Riparian Habitat. As described earlier, USRWQM was used to study river temperatures in the upper Sacramento River. SALMOD, IOS and SAC-EFT were used to study the impacts on the Sacramento River anadromous fish. SAC-EFT, described in Appendix 8B Sacramento River Ecological Flows Tool, was also used to study the riparian habitat, botanical and terrestrial impacts. Daily river and tributary flows from the USRDOM model were also used in studying the worst-case water quality impacts in the Sacramento River, as described in Appendix 7C Surface Water Quality Analysis for Electrical Conductivity at Proposed Intakes. Daily Sites Reservoir diversions and river flows from USRDOM along with the river temperatures at the Sites Reservoir diversion intakes from the USRWQM were used in studying the potential impact of the Sites Reservoir releases on the temperatures in the Sacramento River near the Delevan Pipeline, as described in Appendix 7F Sites Reservoir Discharge Temperature Modeling. Several other resource-specific analyses, described in respective resource chapters, were developed to study the DEIR/EIS Alternatives' impacts in the primary and secondary study areas, using the CALSIM II and USRDOM flow results.

6B.1.2.1 Appropriate Use of Modeling Results

The models developed and applied in planning analysis such as the DEIR/EIS impact evaluation, are generalized and simplified representations of a complex water resources system. Even so, the models used are informative and helpful in understanding the performance and potential effects (both positive and negative) of the operation of a project and its interaction with the water resources system under consideration. A brief description of appropriate use of the model results to compare two scenarios or to compare against threshold values or standards is presented below.

Absolute vs. Relative Use of the Model Results

The models used in planning analysis are not predictive models (in how they are applied in this project), and therefore the results cannot be considered as absolute with and within a quantifiable confidence interval. The model results are only useful in a comparative analysis and can only serve as an indicator of condition (e.g., compliance with a standard) and of trend (e.g., generalized impacts).

Appropriate Reporting Time-Step

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate time-step for the reporting of model results. Sub-monthly (e.g., weekly or daily) reporting of model results are generally inappropriate for all models and the results should be presented on a monthly basis. Specific to the DEIR/EIS, there are exceptions to this guidance, and selected model results can be reported on a sub-monthly basis with adequate caution.

Appropriate Reporting Locations

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate reference locations (and/or boundaries) for the reporting of model results. Each model assumes a simplified spatial representation of the water resource system and sub-systems. Reporting of model results inconsistent with the spatial representation of the model is inappropriate for all models.

Selection of Model Results

Specific to the DEIR/EIS, substantial improvements to existing and new models have been developed to support the project team needs. For features within the Sacramento River and the Colusa Basin (where the Project would be located), a set of new models have been developed. These models have not been used in previous analyses.

Statistical Comparisons are Preferred

Absolute differences computed at a point in time between model results from an alternative and a baseline, or an alternative and a threshold, to evaluate impacts is an inappropriate use of model results. Reporting seasonal patterns from long-term averages and water year type averages (e.g., D1641 40-30-30 classification) is appropriate. Statistics based on long-term and water year type averages are an appropriate use of model results. Computing differences between long-term or water-year-type averages of model results from two scenarios is appropriate. The most appropriate presentation of monthly and annual model results is in the form of probability distributions and comparisons of probability distributions (e.g., cumulative probabilities). If necessary, comparisons of model results against threshold or standard values should be limited to comparisons based on cumulative probability distributions. Information specific to a model calibration (or lack of) and performance in predictive and comparative evaluations should be considered in making the choice to use these types of comparisons.

Formats for Presentation of Model Results

Acceptable formats considering the preceding recommendations and guidelines were used presenting the modeling results in the DEIR/EIS. Monthly and annual summary data presented in the following formats:

- Long-term average summary and year type based summary tables and graphics showing monthly and/or annual statistics derived from the model results
- Cumulative exceedance probability monthly and/or annual model results shown only by rank/order or only by probability statistic

Comparative statistics based on these two types of presentations are generally acceptable. Presentation of specific values associated with exceedance probabilities should be done in the context of a complete presentation of the range of values across all probability levels. If this is not possible, values associated with extremely high or low probabilities should not be presented (it is reasonable to stay within the range of an approximate maximum of 95 percent to an approximate minimum of 5 percent exceedance levels if not in the context of the full data range).

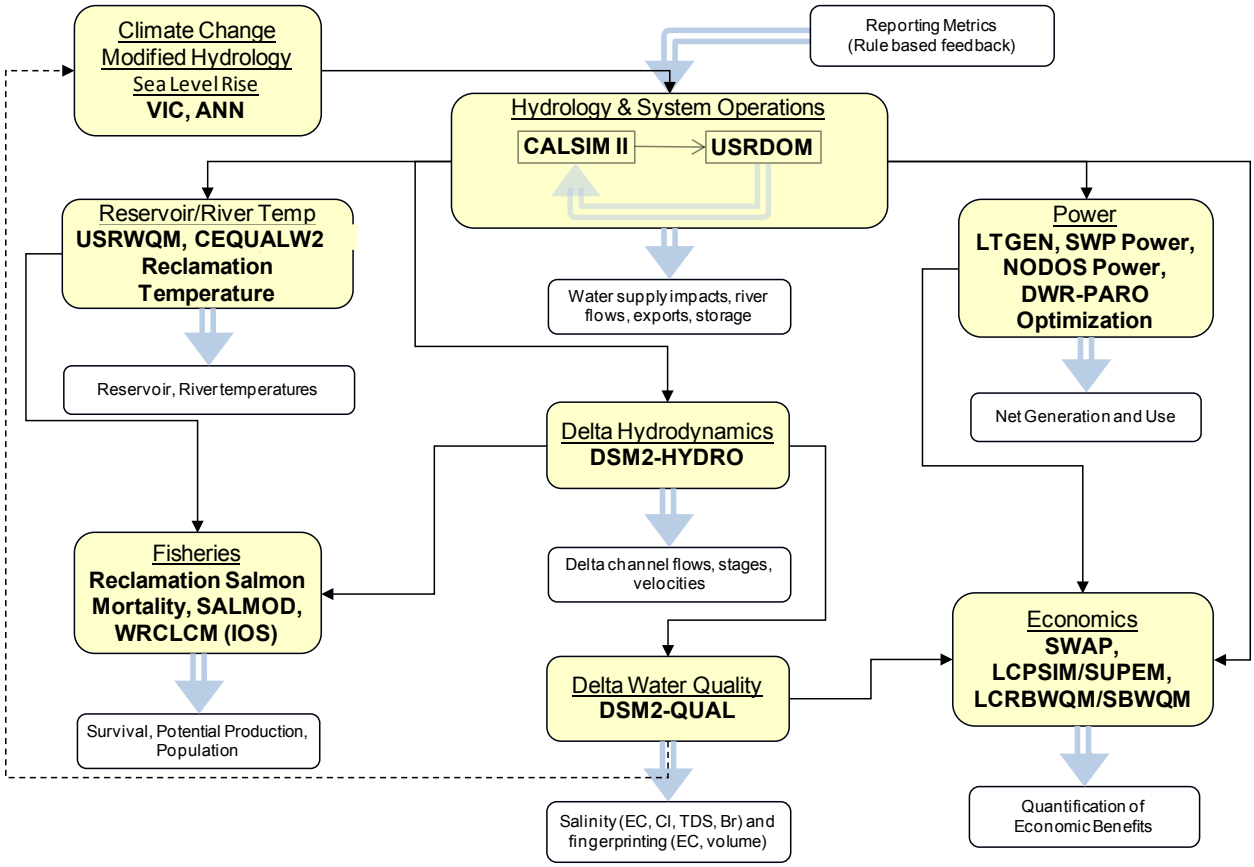

Figure 6B-1 DEIR/EIS Analytical Framework – System (Feasibility, System-Level Impacts)

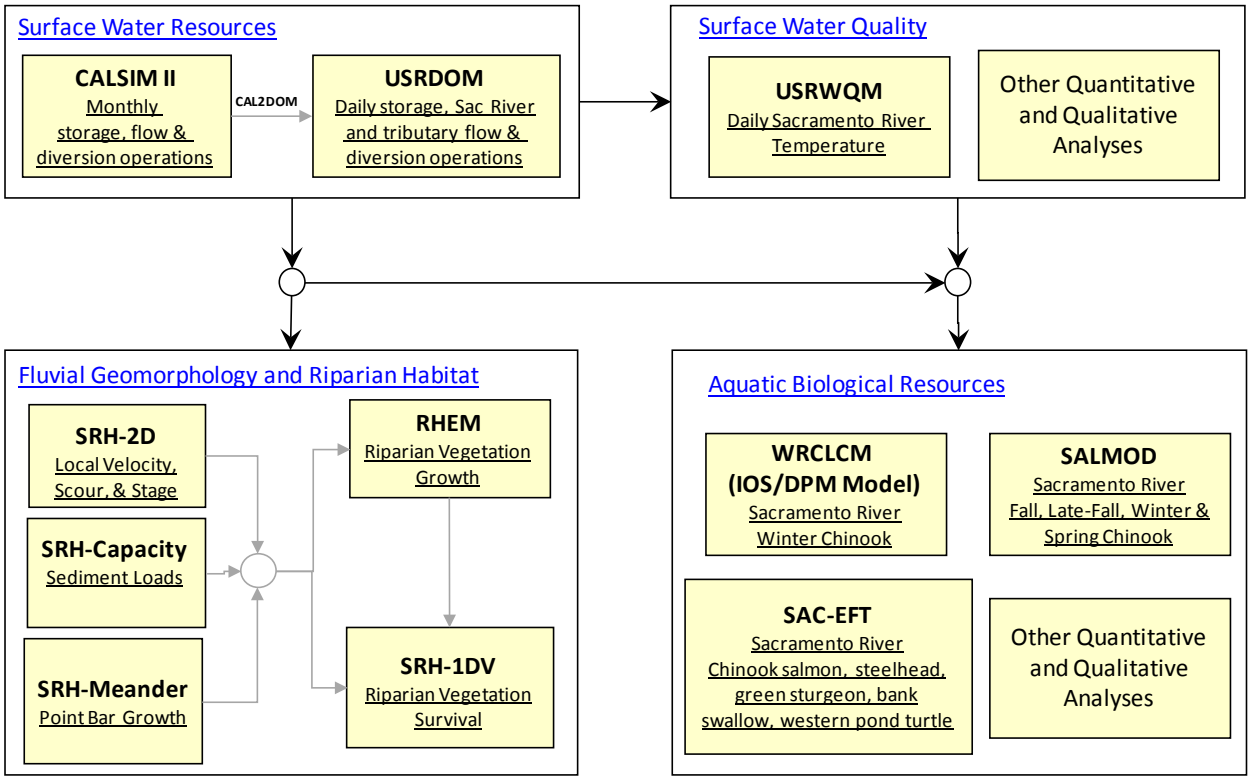

Figure 6B-2 DEIR/EIS Analytical Framework – Local (Local Watershed Impacts)

6B.1.3 State Water Project and Central Valley Project Operations Model (CALSIM II)

As described in the Section 6B.1.2, CALSIM II is the core model in the analytical framework for the impact evaluation of the DEIR/EIS Alternatives. Assumptions used in modeling the alternatives are summarized in Appendix 6A Modeling of Alternatives.

6B.1.3.1 Description

CALSIM II is a generalized reservoir-river basin simulation model that allows for specification and achievement of user-specified allocation targets, or goals (Draper et. al., 2004). The current application to the Central Valley system is called CALSIM II and represents the best available planning model for simulating the SWP and CVP system operations.

CALSIM II covers the valley floor drainage area of the Sacramento and San Joaquin Rivers, the upper Trinity River, and the San Joaquin Valley, Tulare Basin, and southern California areas served by the Federal Central Valley Project (CVP) and the California State Water Project (SWP). The focus of CALSIM II is on the major CVP and SWP facilities, but operations of many other facilities are included to varying degrees.

On a monthly time-step, CALSIM II utilizes optimization techniques to route water through a network of storage nodes and flow arcs based on a series of user-specified relative priorities for water allocation and storage. A linear programming (LP)/mixed integer linear programming (MILP) solver determines an optimal set of decisions for each time period given a set of weights and system constraints. Physical capacities and specific regulatory and contractual requirements are input as linear constraints to the

system operation using the water resources simulation language (WRESL). The model user describes the physical system (dams, reservoirs, channels, pumping plants, etc.), operational rules (flood-control diagrams, minimum flows, delivery requirements, etc.), and priorities for allocating water to different uses in WRESL statements. For each time step, the solver maximizes the objective function to determine a solution that delivers or stores water according to the specified priorities and satisfies all system constraints. The sequence of solved linear programming problems represents the simulation of the system over the period of analysis.

CALSIM II includes an 82-year modified historical hydrology (water years 1922-2003) developed jointly by DWR and USBR. Water diversion requirements (demands), stream accretions and depletions, rim basin inflows, irrigation efficiency, return flows, non-recoverable losses, and groundwater operation are components that make up the hydrology used in CALSIM II. Sacramento Valley and tributary rim basin hydrologies are developed using a process designed to adjust the historical observed sequence of monthly stream flows to represent a sequence of flows at a future level of development. Adjustments to historic water supplies are determined by imposing future level land use on historical meteorological and hydrologic conditions. The resulting hydrology represents the water supply available from Central Valley streams to the system at a future level of development.

An Artificial Neural Network (ANN) has been developed (Sandhu et al. 1999) that attempts to mimic the flow-salinity relationships as simulated in DSM2, but provide a rapid transformation of this information into a form usable by the CALSIM II operations model. The ANN is implemented in CALSIM II to constrain the operations of the upstream reservoirs and the Delta export pumps in order to satisfy particular salinity requirements. A more detailed description of the use of ANNs in the CALSIM II model is provided in Wilbur and Munévar (2001) and more recently in Seneviratne and Wu (2007).

CALSIM II uses rule-based algorithms for determining deliveries to north-of-Delta and south-of-Delta CVP and SWP contractors. This delivery logic uses runoff forecast information, which incorporates uncertainty and standardized rule curves. The rule curves relate storage levels and forecasted water supplies to project delivery capability for the upcoming year. The delivery capability is then translated into SWP and CVP contractor allocations which are satisfied through coordinated reservoir-export operations.

The CALSIM II model is described in detail in Draper et al (2004) and DWR (2002), and has been subject to two peer reviews in the past 8 years (Close et. al 2003 and Lund et. al 2006). More information on the CALSIM model can be found at www.modeling.water.ca.gov.

6B.1.3.2 Objective

The CALSIM II model is the fundamental model upon which all the other models used in the analytical framework rely upon for inputs. The CALSIM II model is used to reconcile all of the constraints associated with CVP and SWP operations throughout the state of California. CALSIM II model allows for an integrated evaluation of the hydrology, fisheries, water quality, and water supply related operational objectives of the system, and specifically of the Sacramento – San Joaquin River Delta estuary. Plans and policies envisioned for this complex water resources system are simulated in CALSIM II. Reconciliation of sometimes conflicting operational rules is the purpose of CALSIM II. Fundamental to the evaluation of the Project is the reconciliation of the various constraints included in the Existing and No Action Alternative Conditions, described in Appendix 6A Modeling of Alternatives.

6B.1.3.3 Assumptions

The detailed modeling assumptions used for the alternatives modeled for the DEIR/EIS are described in Appendix 6A Modeling of Alternatives.

6B.1.3.4 Overview of the Planning Analysis

Typical long-term planning analyses of the Central Valley system and operations of the CVP and SWP have applied the CALSIM II model for analysis of system responses. CALSIM II simulates future SWP/CVP project operations based on an 82-year monthly hydrology derived from the observed 1922-2003 period. Future land use and demands are projected for the appropriate future period. The system configuration consisting of facilities, operations, and regulations are input to the model and define the limits or preferences on operation. The configuration of the Delta, while not simulated directly in CALSIM II, informs the flow-salinity relationships and several flow-related regressions for interior delta conditions (i.e., X2 and OMR) included in the model. For each set of hydrologic, facility, operations, regulations, and delta configuration conditions, the CALSIM II model is simulated. Some refinement of the SWP/CVP operations related to delivery allocations and San Luis target storage levels is generally necessary to have the model reflect suitable north-south reservoir balancing under future conditions.

6B.1.3.5 Analysis of Project Alternatives

CALSIM II was the core model used to simulate the Project operations. In using CALSIM II for simulating Project alternatives, for each DEIR/EIS alternative, description of the physical system for the Project is incorporated in the CALSIM II model. For all the Alternatives, operations were formulated in CALSIM II to simulate the diversion of Sacramento River flow to fill the Project and meet the primary objectives of the project by integrating the operations of the Project with the operations of the existing CVP and SWP reservoirs.

CALSIM II operations used to determine the diversion of the Sacramento River flows to fill the Sites Reservoir were refined based on the daily river flows simulated in the USRDOM. Both the models are simulated iteratively to accurately implement the sub-monthly diversion criteria. This integrated modeling using CALSIM II and USRDOM models is described in detail in Appendix 6C Upper Sacramento River Daily River Flow and Operations Modeling. CALSIM II operations were also refined to achieve the multiple objectives of the Project, based on the feedback from the other models simulating river temperatures, Delta water quality, anadromous fish survival and population, power generation and socioeconomics.

6B.1.3.6 Limitations

CALSIM II is a monthly time-step model. It represents projected conditions under current or future regulatory and operational regimes. The operational decisions in CALSIM II (e.g., determining the flow needed to meet a salinity standard in the Delta) are on a monthly time-step which do not consider operational responses to changes that are on a sub-monthly timescale. Results for an individual parameter are either a monthly average or an end-of-month condition. Some specific concerns regarding CALSIM II model results include the following:

- CALSIM II is intended to be used in a comparative mode. The results from a “With Project” alternative simulation are compared to the results of a “base” simulation, to determine the incremental effects, of a project. The results from a single simulation may not necessarily represent the exact operations for a specific month or year, but should reflect long-term trends. The model should be used

with caution to prescribe seasonal or to guide real-time operations, predict flows or water deliveries for any real-time operations.

- Storage results from CALSIM II reflect end-of-month conditions and not monthly-average conditions. Therefore, any attributes derived from storage results such as littoral area or water surface elevation in the reservoir reflect end-of-month values.
- CALSIM II operates to a monthly approximation of compliance to selected Delta standards. CALSIM II monthly average salinity (ANN-based EC and chloride estimates) and X2 location outputs (ANN-based) are insufficient and inappropriate to verify compliance without use of other diagnostic information internal to the CALSIM II and the ANN models used (note that ANN outputs are lagged by one month). Following are some more details on CALSIM II D1641 compliance limitations:
  - Even though additional standards are identified in SWRCB D-1641, CALSIM II only recognizes five stations for compliance with a salinity standard:
    - Sacramento River at Emmaton
    - San Joaquin River at Jersey Point
    - Old River at Rock Slough
    - Sacramento River at Collinsville
    - Sacramento River at Chipps Island
  - Some standards in SWRCB D-1641 require compliance for a specified number of days in a year (e.g., CCWD 150mg/L Chloride Standard). In such cases CALSIM II does not have any discretion on which days the standards are met, but rather depends on a predetermined schedule, which cannot be altered dynamically.
  - Some of the standards modeled in CALSIM II may not match exactly with the values specified in the SWRCB D-1641. Modeled standards may be more constrained ("ramped") to make operations more responsive to comply with a standard over the season.
  - Under severe operational conditions, CALSIM II may fail to comply with D1641 and other standards. This situation occurs rarely and is needed to maintain feasibility of the model solution.
- Determination of X2 compliance in CALSIM II is a complex analysis that considers each of "three ways to win" (SWRCB D-1641). CALSIM II X2 computations reflect monthly average conditions (note that X2 outputs are lagged by one month).
- Code specifically added for use in the Project has modified the X2-related outputs from CALSIM II. The model is capable of tracking theoretical X2 positions with and without the operation of Sites Reservoir for Delta EEA and WQ purposes. The new X2_PRV_NDS record represents the modified X2 parameter that should be used for impact analysis. To avoid confusion, the X2_PRV and X2_PRV_KM records have been removed from the CALSIM II DSS output databases (note that the X2_PRV_NDS record outputs are lagged by one month).
- San Luis Storage operations in CALSIM II are simplified compared to real time operations. The results are uncertain and prone to reflect how CALSIM II represents CVP and SWP operations. This is due to the relatively coarse SWP/CVP allocation decisions (e.g., no updates after May) used in the model and uncertainty in the model's capability to forecast export capabilities.

- The CALSIM II results have not been improved to consider the full hydraulic conditions associated with the weirs along the Sacramento River that spill flood flows into the Sutter bypass. The USRDOM model should be used for evaluating changes to spills at Ord Ferry, Mouton Weir, Tisdale Weir, and Colusa Weir.

6B.1.4 References

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Close, A., W. M. Haneman, J.W. Labadie, and D.P. Loucks (Chair). 2003. A Strategic Review of CALSIM II and its Use for Water Planning, Management, and Operations in Central California.

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Seneviratne, S., and S. Wu. 2007. "Chapter 3 – Enhanced Development of Flow-Salinity Relationships in the Delta Using Artificial Neural Networks: Incorporating Tidal Influence". *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh.28th Annual Progress Report to the State Water Resources Control Board*. Sacramento, California.

Wilbur, R., and A. Munévar. 2001. "Chapter 7 – Integration of CALSIM and Artificial Neural Networks Models for Sacramento-San Joaquin Delta Flow-Salinity Relationships". *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh.22nd Annual Progress Report to the State Water Resources Control Board*. Sacramento, California.

6B.2 Results

This section includes the results from the State Water Project and Central Valley Project Operations Model (CALSIM II) used in the detailed evaluation of the alternatives for the DEIR/EIS (see also the attachments to this appendix).

6B.2.1 Introduction

The CALSIM II results included in this appendix are used in:

- Chapter 6 Surface Water Resources,
- Chapter 7 Surface Water Quality
- Chapter 8 Fluvial Geomorphology and Riparian Habitat
- Chapter 9 Flood Control and Management
- Chapter 12 Aquatic Biological Resources
- Chapter 13 Botanical Resources
- Chapter 14 Terrestrial Biological Resources
- Chapter 15 Wetlands and other Waters
- Chapter 21 Recreation Resources

For each parameter and location shown in Table 6B-1, Summary Tables reports are provided. In the Summary Tables reports, for each parameter and location shown below, summary tables of USRDOM results by month are included. The tables include long-term average, and averages by water year type (SWRCB 40-30-30 Index). The tables also include the absolute and relative differences between alternatives.

6B.2.2 Locations and Parameters

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-1.

Table 6B-1
State Water Project and Central Valley Project Operations Model Results for project Operations Locations and Parameters

	Report Title	Time-Step	Parameter
1	Tehama Colusa Canal Intake at Red Bluff	Monthly	Diversion
2	Glenn Colusa Canal Intake at Hamilton City	Monthly	Diversion
3	Delevan Intake and Pipeline	Monthly	Diversion
4	Funks Reservoir to Sites Reservoir	Monthly	Diversion
5	Funks Reservoir to Tehama Colusa and Glenn Colusa Canals	Monthly	Flow
6	Funks Reservoir to Delevan Pipeline	Monthly	Flow
7	Sites Reservoir to Funks Reservoir	Monthly	Flow
8	Delevan Intake and Pipeline (to Local Use)	Monthly	Diversion
9	Sites Reservoir	End of Month	Storage
10	Sites Reservoir	End of Month	Elevation
11	Sites Reservoir	End of Month	Area

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-2.

Table 6B-2
State Water Project and Central Valley Project Operations Model Results
For Trinity and Sacramento River Basin Operations Locations and Parameters

	Report Title	Time-Step	Parameter
Trinity River			
1	Trinity Lake	End of Month	Storage
2	Trinity Lake	End of Month	Elevation
3	Trinity Lake	End of Month	Area
4	Trinity River below Lewiston Reservoir	Monthly	Flow
5	Clear Creek Tunnel	Monthly	Flow
Sacramento River			
6	Clear Creek below Whiskeytown Reservoir	Monthly	Flow
7	Shasta Lake	End of Month	Storage
8	Shasta Lake	End of Month	Elevation
9	Shasta Lake	End of Month	Area
10	Sacramento River below Keswick Reservoir	Monthly	Flow
11	Sacramento River at Bend Bridge	Monthly	Flow
12	Sacramento River at Bend Bridge	Monthly	Stage
13	Sacramento River below Red Bluff Diversion Dam	Monthly	Flow
14	Sacramento River below Hamilton City	Monthly	Flow
15	Sacramento River below Hamilton City	Monthly	Stage
16	Sacramento River below Delevan Intake and Pipeline	Monthly	Flow
17	Sacramento River at Moulton Weir	Monthly	Stage
18	Sacramento River at Wilken Slough	Monthly	Flow
19	Sacramento River at Verona	Monthly	Flow
20	Sacramento River at Freeport	Monthly	Flow
Feather River			
21	Lake Oroville	End of Month	Storage
22	Lake Oroville	End of Month	Elevation
23	Lake Oroville	End of Month	Area
24	Feather River at Thermalito Low Flow Channel	Monthly	Flow
25	Feather River below Thermalito	Monthly	Flow
26	Feather River near Gridley	Monthly	Stage
27	Feather River at Shanghai Bend	Monthly	Flow
28	Feather River at Mouth	Monthly	Flow
American River			
29	Folsom Lake	End of Month	Storage
30	Folsom Lake	End of Month	Elevation
31	Folsom Lake	End of Month	Area
32	American River below Nimbus Reservoir	Monthly	Flow

	Report Title	Time-Step	Parameter
33	American River at Fair Oaks	Monthly	Stage
34	American River at Watt Avenue	Monthly	Flow
35	American River at H Street	Monthly	Flow
36	American River at Mouth	Monthly	Flow

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-3.

Table 6B-3
State Water Project and Central Valley Project Operations Model Results
For Sacramento-San Joaquin Delta Operations Locations and Parameters

	Report Title	Time-Step	Parameter
1	Sacramento River below Hood	Monthly	Flow
2	Yolo Bypass	Monthly	Flow
3	Sacramento River at Rio Vista	Monthly	Flow
4	Sacramento/San Joaquin River Delta	Monthly	Outflow
5	X2	Monthly	Position
6	Delta Cross Channel	Monthly	Flow
7	Old and Middle River	Monthly	Flow

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-4.

Table 6B-4
State Water Project and Central Valley Project Operations Model Results
For Regional Water Supply Deliveries

	Report Title	Time-Step	Parameter
1	Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP)	Monthly	Diversion
2	Jones Pumping Plant (CVP)	Monthly	Diversion
3	Banks Pumping Plant (SWP and CVP)	Monthly	Diversion
4	Banks Pumping Plant (SWP)	Monthly	Diversion
5	Banks Pumping Plant (CVP)	Monthly	Diversion
6	San Luis Reservoir (SWP and CVP)	End of Month	Storage
7	San Luis Reservoir (SWP and CVP)	End of Month	Elevation
8	San Luis Reservoir (SWP and CVP)	End of Month	Area
9	San Luis Reservoir (CVP)	End of Month	Storage
10	San Luis Reservoir (SWP)	End of Month	Storage

6B.2.3 Comparisons

Summary Tables reports are provided for the following comparisons:

- Alternative A compared to No Action Alternative
- Alternative B compared to No Action Alternative
- Alternative C compared to No Action Alternative
- Alternative D compared to No Action Alternative

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Project Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table OP-01-3a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Diversion (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative A	111	110	702	1,257	1,241	860	285	391	395	455	621	103
Difference	0	103	702	1,257	1,239	847	152	-21	-354	-356	-40	-46
Percent Difference[3]	0.3%						114.9%	-5.2%	-47.3%	-43.9%	-6.1%	-30.8%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative A	89	119	951	1,368	997	351	205	559	480	710	887	99
Difference	-57	111	951	1,368	997	341	65	-46	-602	-501	-74	-129
Percent Difference	-39.0%						46.3%	-7.6%	-55.6%	-41.4%	-7.7%	-56.5%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative A	241	186	951	1,886	1,579	1,054	506	607	617	556	794	156
Difference	127	183	951	1,886	1,579	1,046	337	22	-435	-566	-81	-45
Percent Difference	111.3%							3.8%	-41.3%	-50.4%	-9.3%	-22.4%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative A	94	80	606	1,528	1,496	1,265	478	372	474	365	513	105
Difference	-10	76	606	1,528	1,495	1,241	331	10	-171	-340	-42	1
Percent Difference	-10.0%							2.8%	-26.5%	-48.2%	-7.6%	0.9%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative A	99	119	383	949	1,427	1,257	269	244	277	295	394	100
Difference	4	113	383	949	1,422	1,247	142	-8	-216	-180	7	7
Percent Difference	3.9%						112.1%	-3.1%	-43.8%	-38.0%	1.7%	8.1%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative A	65	35	501	530	854	700	34	56	70	148	336	64
Difference	6	23	501	530	847	686	-37	-69	-158	-114	5	-2
Percent Difference	10.0%						-51.7%	-55.1%	-69.4%	-43.6%	1.4%	-3.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-3b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

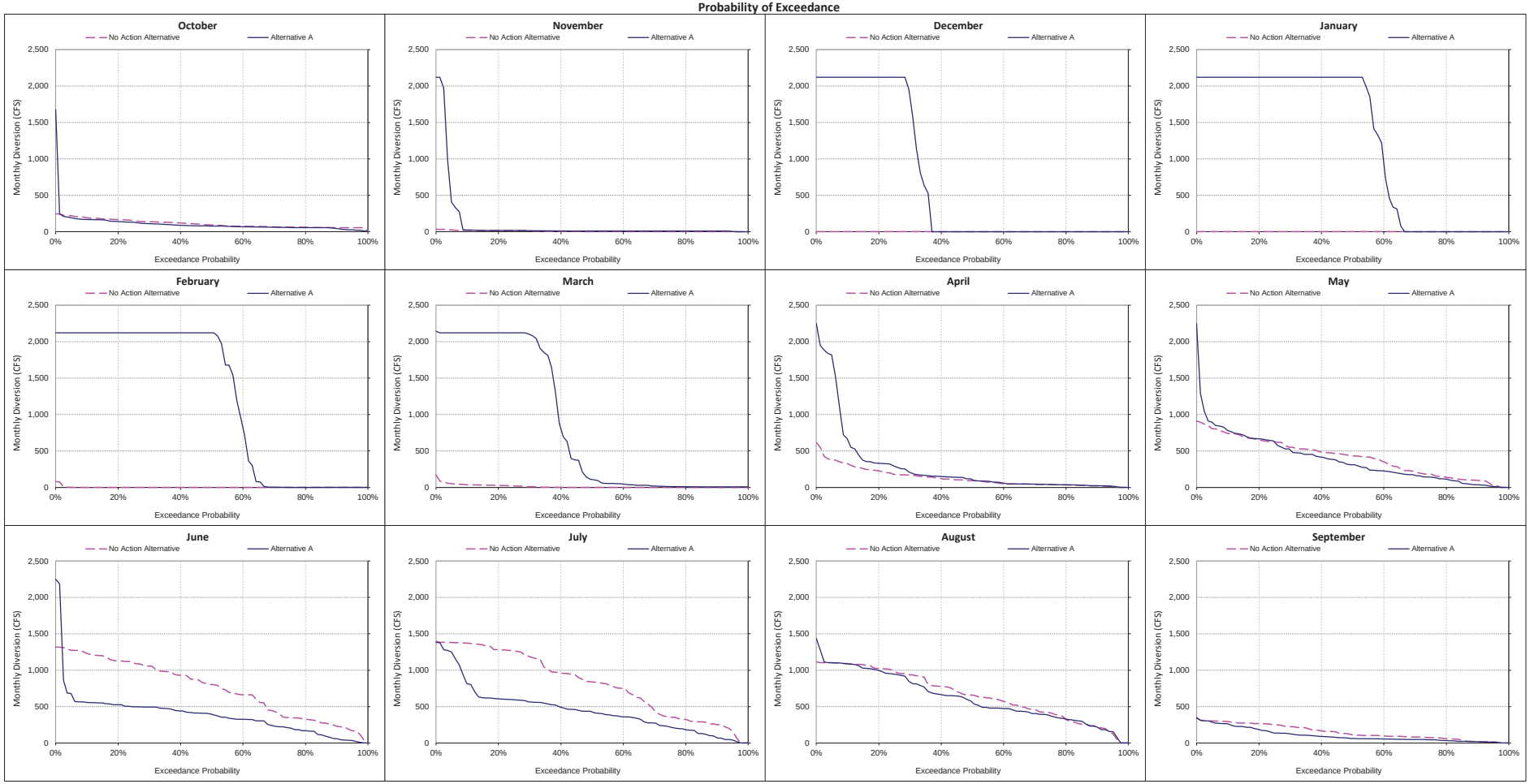

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	1,675	1,431	586.7%	0.0%	33	2,121	2,088		0.0%	0	2,121	2,121		0.0%	0	2,121	2,121	
1.2%	243	243	0	0.0%	1.2%	32	2,121	2,089		1.2%	0	2,121	2,121		1.2%	0	2,121	2,121	
2.5%	225	209	-16	-7.1%	2.5%	31	1,973	1,942		2.5%	0	2,121	2,121		2.5%	0	2,121	2,121	
3.7%	220	203	-18	-8.0%	3.7%	26	987	961		3.7%	0	2,121	2,121		3.7%	0	2,121	2,121	
4.9%	218	190	-28	-12.8%	4.9%	25	404	379		4.9%	0	2,121	2,121		4.9%	0	2,121	2,121	
6.2%	208	179	-28	-13.6%	6.2%	19	332	313		6.2%	0	2,121	2,121		6.2%	0	2,121	2,121	
7.4%	207	174	-33	-15.7%	7.4%	18	272	254		7.4%	0	2,121	2,121		7.4%	0	2,121	2,121	
8.6%	202	171	-31	-15.4%	8.6%	18	26	8	45.7%	8.6%	0	2,121	2,121		8.6%	0	2,121	2,121	
9.9%	192	167	-24	-12.8%	9.9%	18	24	7	38.4%	9.9%	0	2,121	2,121		9.9%	0	2,121	2,121	
11.1%	187	167	-20	-10.7%	11.1%	17	23	6	33.9%	11.1%	0	2,121	2,121		11.1%	0	2,121	2,121	
12.3%	185	166	-19	-10.4%	12.3%	17	18	1	4.7%	12.3%	0	2,121	2,121		12.3%	0	2,121	2,121	
13.6%	184	163	-21	-11.6%	13.6%	17	18	1	5.6%	13.6%	0	2,121	2,121		13.6%	0	2,121	2,121	
14.8%	176	161	-14	-8.1%	14.8%	17	18	1	5.4%	14.8%	0	2,121	2,121		14.8%	0	2,121	2,121	
16.0%	174	159	-15	-8.4%	16.0%	17	18	1	3.8%	16.0%	0	2,121	2,121		16.0%	0	2,121	2,121	
17.3%	172	146	-26	-14.9%	17.3%	17	17	0	2.4%	17.3%	0	2,121	2,121		17.3%	0	2,121	2,121	
18.5%	169	143	-26	-15.5%	18.5%	17	17	0	1.5%	18.5%	0	2,121	2,121		18.5%	0	2,121	2,121	
19.8%	165	137	-28	-16.9%	19.8%	17	17	0	0.0%	19.8%	0	2,121	2,121		19.8%	0	2,121	2,121	
21.0%	163	137	-26	-16.2%	21.0%	17	17	0	0.0%	21.0%	0	2,121	2,121		21.0%	0	2,121	2,121	
22.2%	161	134	-27	-16.8%	22.2%	17	17	0	0.0%	22.2%	0	2,121	2,121		22.2%	0	2,121	2,121	
23.5%	159	132	-27	-17.1%	23.5%	17	17	0	0.0%	23.5%	0	2,121	2,121		23.5%	0	2,121	2,121	
24.7%	154	130	-25	-16.0%	24.7%	17	17	0	-0.1%	24.7%	0	2,121	2,121		24.7%	0	2,121	2,121	
25.9%	144	122	-22	-15.5%	25.9%	17	17	0	-0.1%	25.9%	0	2,121	2,121		25.9%	0	2,121	2,121	
27.2%	140	118	-23	-16.1%	27.2%	17	16	-1	-7.6%	27.2%	0	2,121	2,121		27.2%	0	2,121	2,121	
28.4%	138	112	-26	-18.7%	28.4%	17	15	-2	-9.2%	28.4%	0	2,121	2,121		28.4%	0	2,121	2,121	
29.6%	136	112	-24	-17.9%	29.6%	17	12	-5	-26.8%	29.6%	0	1,952	1,952		29.6%	0	2,121	2,121	
30.9%	136	107	-29	-21.0%	30.9%	9	12	4	43.7%	30.9%	0	1,573	1,573		30.9%	0	2,121	2,121	
32.1%	134	106	-29	-21.2%	32.1%	7	12	5	77.7%	32.1%	0	1,138	1,138		32.1%	0	2,121	2,121	
33.3%	130	104	-26	-19.7%	33.3%	7	12	6	84.0%	33.3%	0	810	810		33.3%	0	2,121	2,121	
34.6%	129	102	-28	-21.3%	34.6%	4	12	8	217.0%	34.6%	0	633	633		34.6%	0	2,121	2,121	
35.8%	129	96	-32	-25.3%	35.8%	4	11	8	215.2%	35.8%	0	531	531		35.8%	0	2,121	2,121	
37.0%	126	94	-32	-25.6%	37.0%	3	11	8	235.4%	37.0%	0	0	0		37.0%	0	2,121	2,121	
38.3%	124	90	-34	-27.6%	38.3%	3	11	8	283.4%	38.3%	0	0	0		38.3%	0	2,121	2,121	
39.5%	122	89	-33	-26.8%	39.5%	3	10	8	310.7%	39.5%	0	0	0		39.5%	0	2,121	2,121	
40.7%	117	87	-31	-26.2%	40.7%	2	10	8	334.1%	40.7%	0	0	0		40.7%	0	2,121	2,121	
42.0%	114	84	-30	-26.4%	42.0%	2	10	8	396.8%	42.0%	0	0	0		42.0%	0	2,121	2,121	
43.2%	111	79	-32	-28.4%	43.2%	2	9	7	360.1%	43.2%	0	0	0		43.2%	0	2,121	2,121	
44.4%	108	79	-28	-26.3%	44.4%	1	9	7	512.6%	44.4%	0	0	0		44.4%	0	2,121	2,121	
45.7%	104	79	-25	-23.9%	45.7%	1	8	7	615.7%	45.7%	0	0	0		45.7%	0	2,121	2,121	
46.9%	97	79	-18	-18.3%	46.9%	0	8	8		46.9%	0	0	0		46.9%	0	2,121	2,121	
48.1%	94	79	-16	-16.5%	48.1%	0	8	8		48.1%	0	0	0		48.1%	0	2,121	2,121	
49.4%	94	78	-16	-16.7%	49.4%	0	8	8		49.4%	0	0	0		49.4%	0	2,121	2,121	
50.6%	91	77	-14	-15.6%	50.6%	0	8	8		50.6%	0	0	0		50.6%	0	2,121	2,121	
51.9%	88	76	-12	-13.6%	51.9%	0	8	8		51.9%	0	0	0		51.9%	0	2,121	2,121	
53.1%	86	75	-11	-12.5%	53.1%	0	8	8		53.1%	0	0	0		53.1%	0	2,121	2,121	
54.3%	79	73	-6	-7.6%	54.3%	0	8	8		54.3%	0	0	0		54.3%	0	1,985	1,985	
55.6%	78	73	-5	-6.9%	55.6%	0	8	8		55.6%	0	0	0		55.6%	0	1,850	1,850	
56.8%	76	72	-4	-5.2%	56.8%	0	8	8		56.8%	0	0	0		56.8%	0	1,414	1,414	
58.0%	75	71	-4	-5.0%	58.0%	0	8	8		58.0%	0	0	0		58.0%	0	1,328	1,328	
59.3%	75	67	-8	-10.2%	59.3%	0	8	8		59.3%	0	0	0		59.3%	0	1,223	1,223	
60.5%	74	67	-8	-10.5%	60.5%	0	8	8		60.5%	0	0	0		60.5%	0	734	734	
61.7%	74	66	-8	-11.1%	61.7%	0	8	8		61.7%	0	0	0		61.7%	0	457	457	
63.0%	74	64	-10	-12.9%	63.0%	0	8	8		63.0%	0	0	0		63.0%	0	336	336	
64.2%	72	63	-9	-11.9%	64.2%	0	8	8		64.2%	0	0	0		64.2%	0	313	313	
65.4%	71	63	-9	-12.1%	65.4%	0	8	8		65.4%	0	0	0		65.4%	0	78	78	
66.7%	71	62	-9	-13.2%	66.7%	0	8	8		66.7%	0	0	0		66.7%	0	0	0	
67.9%	69	61	-7	-10.8%	67.9%	0	8	8		67.9%	0	0	0		67.9%	0	0	0	
69.1%	67	61	-5	-8.0%	69.1%	0	8	8		69.1%	0	0	0		69.1%	0	0	0	
70.4%	65	61	-4	-6.3%	70.4%	0	8	8		70.4%	0	0	0		70.4%	0	0	0	
71.6%	64	59	-4	-7.0%	71.6%	0	8	8		71.6%	0	0	0		71.6%	0	0	0	
72.8%	63	59	-4	-6.6%	72.8%	0	8	8		72.8%	0	0	0		72.8%	0	0	0	
74.1%	63	57	-6	-9.2%	74.1%	0	8	8		74.1%	0	0	0		74.1%	0	0	0	
75.3%	62	57	-6	-8.8%	75.3%	0	8	8		75.3%	0	0	0		75.3%	0	0	0	
76.5%	62	57	-5	-8.4%	76.5%	0	8	8		76.5%	0	0	0		76.5%	0	0	0	
77.8%	62	56	-6	-9.3%	77.8%	0	8	8		77.8%	0	0	0		77.8%	0	0	0	
79.0%	61	56	-5	-7.7%	79.0%	0	8	8		79.0%	0	0	0		79.0%	0	0	0	
80.2%	59	56	-4	-6.1%	80.2%	0	8	8		80.2%	0	0	0		80.2%	0	0	0	
81.5%	59	55	-4	-6.0%	81.5%	0	8	8		81.5%	0	0	0		81.5%	0	0	0	
82.7%	57	54	-3	-5.6%	82.7%	0	8	8		82.7%	0	0	0		82.7%	0	0	0	
84.0%	57	54	-3	-5.3%	84.0%	0	8	8		84.0%	0	0	0		84.0%	0	0	0	
85.2%	56	54	-2	-4.0%	85.2%	0	8	8		85.2%	0	0	0		85.2%	0	0	0	
86.4%	56	54	-2	-3.7%	86.4%	0	8	8		86.4%	0	0	0		86.4%	0	0	0	
87.7%	56	54	-2	-3.5%	87.7%	0	8	8		87.7%	0	0	0		87.7%	0	0	0	
88.9%	56	47	-9	-15.6%	88.9%	0	8	8		88.9%	0	0	0		88.9%	0	0	0	
90.1%	55	43	-12	-22.7%	90.1%	0	8	8		90.1%	0	0	0		90.1%	0	0	0	
91.4%	54	34	-20	-37.5%	91.4%	0	8	8		91.4%	0	0	0		91.4%	0	0	0	
92.6%	54	31	-23	-43.0%	92.6%	0	8	8		92.6%	0	0	0		92.6%	0	0	0	
93.8%	54	28	-26	-47.6%	93.8%	0	8	8		93.8%	0	0	0		93.8%	0	0	0	
95.1%	54	26	-28	-52.0%	95.1%	0	2	2		95.1%	0	0	0		95.1%	0	0	0	
96.3%	54	20	-34	-63.4%	96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	54	20	-35	-63.7%	97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	54	8	-46	-84.9%	98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	3	3		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,079	2,079	
53.1%	0	1,973	1,973	
54.3%	0	1,682	1,682	
55.6%	0	1,675	1,675	
56.8%	0	1,539	1,539	
58.0%	0	1,191	1,191	
59.3%	0	955	955	
60.5%	0	713	713	
61.7%	0	364	364	
63.0%	0	303	303	
64.2%	0	79	79	
65.4%	0	75	75	
66.7%	0	13	13	
67.9%	0	3	3	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,145	1,973	
1.2%	85	2,123	2,039	
2.5%	76	2,123	2,046	
3.7%	56	2,122	2,066	
4.9%	52	2,122	2,069	
6.2%	44	2,122	2,078	
7.4%	42	2,121	2,079	
8.6%	41	2,121	2,080	
9.9%	35	2,121	2,086	
11.1%	35	2,121	2,086	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,106	2,098	
30.9%	8	2,081	2,073	
32.1%	7	2,044	2,037	
33.3%	4	1,906	1,902	
34.6%	3	1,851	1,848	
35.8%	3	1,813	1,810	
37.0%	2	1,643	1,642	
38.3%	2	1,309	1,307	
39.5%	1	874	873	
40.7%	1	695	694	
42.0%	1	628	627	
43.2%	1	396	395	
44.4%	1	380	379	
45.7%	1	372	371	
46.9%	0	206	205	
48.1%	0	142	142	
49.4%	0	109	109	
50.6%	0	105	105	
51.9%	0	94	94	
53.1%	0	61	61	
54.3%	0	54	54	
55.6%	0	54	54	
56.8%	0	52	52	
58.0%	0	52	52	
59.3%	0	51	51	
60.5%	0	42	42	
61.7%	0	35	35	
63.0%	0	35	35	
64.2%	0	30	30	
65.4%	0	30	30	
66.7%	0	29	29	
67.9%	0	29	29	
69.1%	0	18	18	
70.4%	0	17	17	
71.6%	0	15	15	
72.8%	0	15	15	
74.1%	0	11	11	
75.3%	0	10	10	
76.5%	0	9	9	
77.8%	0	9	9	
79.0%	0	9	9	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,947	1,396	253.5%
2.5%	428	1,885	1,457	340.6%
3.7%	393	1,840	1,447	368.5%
4.9%	376	1,818	1,442	383.6%
6.2%	374	1,512	1,138	304.6%
7.4%	351	1,103	753	214.5%
8.6%	335	721	386	115.5%
9.9%	328	666	338	103.2%
11.1%	303	551	248	81.9%
12.3%	280	530	249	88.9%
13.6%	274	441	167	60.9%
14.8%	260	374	114	43.8%
16.0%	246	355	109	44.2%
17.3%	242	353	110	45.4%
18.5%	236	335	98	41.6%
19.8%	230	334	104	45.1%
21.0%	218	329	111	51.1%
22.2%	201	325	124	61.7%
23.5%	200	322	122	61.1%
24.7%	181	297	117	64.5%
25.9%	174	274	100	57.6%
27.2%	172	257	84	49.1%
28.4%	172	254	82	47.8%
29.6%	169	211	42	24.9%
30.9%	167	189	23	13.5%
32.1%	158	176	18	11.5%
33.3%	150	172	22	14.7%
34.6%	147	164	16	11.0%
35.8%	141	161	20	14.0%
37.0%	141	154	13	9.4%
38.3%	131	152	21	16.3%
39.5%	127	149	22	17.6%
40.7%	115	148	33	28.8%
42.0%	114	145	30	26.4%
43.2%	110	142	32	29.0%
44.4%	103	141	38	36.6%
45.7%	103	138	35	33.8%
46.9%	102	137	35	34.2%
48.1%	93	118	25	27.1%
49.4%	93	117	24	25.4%
50.6%	93	93	0	0.2%
51.9%	85	89	4	4.8%
53.1%	85	87	2	2.3%
54.3%	74	87	13	17.4%
55.6%	71	82	11	15.4%
56.8%	70	73	3	3.8%
58.0%	59	71	11	19.4%
59.3%	54	65	11	20.2%
60.5%	48	54	6	13.3%
61.7%	47	48	0	0.5%
63.0%	47	47	0	0.3%
64.2%	47	46	-1	-2.2%
65.4%	46	46	0	-0.3%
66.7%	46	45	-1	-1.3%
67.9%	45	45	0	0.9%
69.1%	43	45	2	3.6%
70.4%	40	42	2	4.7%
71.6%	40	41	2	3.9%
72.8%	40	41	2	4.4%
74.1%	37	40	3	7.2%
75.3%	37	40	3	7.1%
76.5%	36	38	1	3.1%
77.8%	36	37	2	4.2%
79.0%	35	37	2	5.9%
80.2%	33	36	3	10.1%
81.5%	32	36	4	13.4%
82.7%	29	32	3	8.8%
84.0%	29	31	2	7.3%
85.2%	29	29	0	1.3%
86.4%	24	29	4	17.2%
87.7%	23	23	0	0.0%
88.9%	23	23	0	1.0%
90.1%	22	22	0	0.0%
91.4%	21	21	0	0.0%
92.6%	16	20	5	28.9%
93.8%	15	17	2	15.7%
95.1%	14	16	2	16.1%
96.3%	0	8	8	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	1,288	394	44.1%
2.5%	868	1,040	172	19.8%
3.7%	848	911	62	7.4%
4.9%	805	894	89	11.1%
6.2%	803	848	45	5.7%
7.4%	780	842	63	8.1%
8.6%	763	826	63	8.3%
9.9%	741	780	39	5.2%
11.1%	739	763	24	3.2%
12.3%	736	741	5	0.7%
13.6%	722	736	13	1.8%
14.8%	697	722	26	3.7%
16.0%	681	695	15	2.2%
17.3%	675	675	0	0.0%
18.5%	665	670	5	0.8%
19.8%	652	666	14	2.2%
21.0%	642	665	22	3.5%
22.2%	635	652	17	2.6%
23.5%	627	647	19	3.1%
24.7%	626	635	9	1.4%
25.9%	621	575	-47	-7.5%
27.2%	617	552	-65	-10.5%
28.4%	575	529	-46	-8.0%
29.6%	552	529	-23	-4.2%
30.9%	550	477	-73	-13.3%
32.1%	529	475	-53	-10.1%
33.3%	529	472	-57	-10.8%
34.6%	528	454	-74	-13.9%
35.8%	522	453	-69	-13.3%
37.0%	519	452	-68	-13.1%
38.3%	508	429	-79	-15.5%
39.5%	488	416	-72	-14.8%
40.7%	477	409	-68	-14.3%
42.0%	475	391	-84	-17.7%
43.2%	472	385	-87	-18.5%
44.4%	464	377	-87	-18.8%
45.7%	461	351	-110	-23.9%
46.9%	454	341	-113	-25.0%
48.1%	445	318	-127	-28.6%
49.4%	436	312	-123	-28.3%
50.6%	431	311	-120	-27.8%
51.9%	428	294	-134	-31.4%
53.1%	420	273	-147	-35.0%
54.3%	418	270	-148	-35.5%
55.6%	416	235	-181	-43.5%
56.8%	397	235	-161	-40.7%
58.0%	391	228	-164	-41.9%
59.3%	362	226	-135	-37.4%
60.5%	341	226	-115	-33.7%
61.7%	309	214	-95	-30.6%
63.0%	290	209	-81	-27.9%
64.2%	284	196	-87	-30.8%
65.4%	252	190	-62	-24.6%
66.7%	231	180	-50	-21.9%
67.9%	229	175	-53	-23.3%
69.1%	224	173	-51	-22.7%
70.4%	207	161	-47	-22.4%
71.6%	194	158	-36	-18.7%
72.8%	184	144	-40	-21.6%
74.1%	180	142	-39	-21.4%
75.3%	180	138	-42	-23.5%
76.5%	156	133	-23	-14.6%
77.8%	151	119	-32	-21.4%
79.0%	148	117	-31	-21.1%
80.2%	135	111	-23	-17.3%
81.5%	132	95	-37	-27.8%
82.7%	118	88	-29	-25.0%
84.0%	113	86	-27	-23.7%
85.2%	108	55	-52	-48.8%
86.4%	103	51	-51	-49.8%
87.7%	100	43	-57	-57.0%
88.9%	99	35	-64	-64.4%
90.1%	95	35	-60	-63.2%
91.4%	95	31	-64	-67.6%
92.6%	88	29	-58	-66.5%
93.8%	56	20	-36	-64.8%
95.1%	22	10	-11	-53.3%
96.3%	20	7	-13	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,184	869	66.1%
2.5%	1,311	861	-451	-34.4%
3.7%	1,290	687	-603	-46.8%
4.9%	1,274	680	-595	-46.7%
6.2%	1,272	569	-703	-55.3%
7.4%	1,272	566	-706	-55.5%
8.6%	1,257	565	-692	-55.0%
9.9%	1,230	559	-671	-54.6%
11.1%	1,218	555	-663	-54.4%
12.3%	1,205	554	-652	-54.1%
13.6%	1,202	551	-651	-54.1%
14.8%	1,200	550	-650	-54.2%
16.0%	1,182	540	-643	-54.4%
17.3%	1,148	536	-613	-53.4%
18.5%	1,134	527	-607	-53.5%
19.8%	1,127	525	-601	-53.4%
21.0%	1,127	524	-602	-53.5%
22.2%	1,121	506	-615	-54.9%
23.5%	1,121	503	-618	-55.1%
24.7%	1,100	499	-601	-54.6%
25.9%	1,089	496	-592	-54.4%
27.2%	1,084	496	-588	-54.3%
28.4%	1,060	495	-565	-53.3%
29.6%	1,057	494	-563	-53.2%
30.9%	1,055	494	-561	-53.2%
32.1%	1,006	493	-513	-51.0%
33.3%	989	479	-510	-51.6%
34.6%	983	478	-506	-51.4%
35.8%	979	472	-507	-51.8%
37.0%	975	464	-511	-52.4%
38.3%	938	449	-489	-52.2%
39.5%	932	441	-491	-52.7%
40.7%	931	440	-491	-52.8%
42.0%	926	422	-504	-54.4%
43.2%	877	420	-458	-52.2%
44.4%	874	411	-462	-52.9%
45.7%	869	411	-458	-52.7%
46.9%	833	408	-425	-51.0%
48.1%	815	408	-407	-50.0%
49.4%	803	400	-403	-50.2%
50.6%	801	385	-416	-51.9%
51.9%	791	371	-420	-53.1%
53.1%	747	356	-391	-52.3%
54.3%	731	355	-376	-51.5%
55.6%	693	339	-354	-51.1%
56.8%	692	333	-360	-51.9%
58.0%	673	328	-345	-51.3%
59.3%	663	326	-338	-50.9%
60.5%	663	325	-337	-50.9%
61.7%	662	323	-339	-51.3%
63.0%	661	321	-340	-51.4%
64.2%	599	306	-293	-49.0%
65.4%	556	306	-251	-45.0%
66.7%	553	305	-248	-44.8%
67.9%	453	253	-200	-44.2%
69.1%	446	241	-205	-46.0%
70.4%	430	230	-199	-46.4%
71.6%	399	223	-176	-44.0%
72.8%	355	221	-134	-37.7%
74.1%	350	211	-139	-39.7%
75.3%	346	204	-142	-41.0%
76.5%	345	184	-161	-46.6%
77.8%	343	184	-159	-46.4%
79.0%	331	168	-163	-49.2%
80.2%	326	168	-158	-48.6%
81.5%	319	163	-156	-48.8%
82.7%	312	161	-151	-48.5%
84.0%	299	117	-183	-61.1%
85.2%	274	113	-161	-58.8%
86.4%	273	94	-178	-65.4%
87.7%	261	80	-181	-69.2%
88.9%	247	64	-183	-74.2%
90.1%	228	58	-170	-74.6%
91.4%	221	45	-176	-79.6%
92.6%	219	39	-180	-82.1%
93.8%	188	38	-150	-79.8%
95.1%	167	34	-133	-79.7%
96.3%	161	19	-142	-88.3%
97.5%	114	9	-105	-91.8%
98.8%	34	0	-34	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	1,380	-17	-1.2%
1.2%	1,384	1,379	-5	-0.4%
2.5%	1,383	1,283	-100	-7.2%
3.7%	1,382	1,273	-109	-7.9%
4.9%	1,380	1,249	-131	-9.5%
6.2%	1,379	1,158	-221	-16.0%
7.4%	1,378	1,073	-305	-22.1%
8.6%	1,375	944	-432	-31.4%
9.9%	1,373	815	-558	-40.6%
11.1%	1,367	804	-563	-41.2%
12.3%	1,361	707	-654	-48.1%
13.6%	1,356	633	-723	-53.3%
14.8%	1,350	622	-728	-53.9%
16.0%	1,331	619	-712	-53.5%
17.3%	1,330	618	-712	-53.5%
18.5%	1,283	612	-671	-52.3%
19.8%	1,282	609	-673	-52.5%
21.0%	1,278	605	-673	-52.7%
22.2%	1,278	599	-679	-53.1%
23.5%	1,273	597	-676	-53.1%
24.7%	1,265	594	-672	-53.1%
25.9%	1,259	592	-667	-53.0%
27.2%	1,249	586	-663	-53.1%
28.4%	1,210	582	-627	-51.9%
29.6%	1,193	564	-629	-52.7%
30.9%	1,174	562	-611	-52.1%
32.1%	1,158	558	-600	-51.8%
33.3%	1,150	557	-594	-51.6%
34.6%	1,043	548	-495	-47.5%
35.8%	1,012	536	-476	-47.0%
37.0%	976	527	-449	-46.0%
38.3%	973	522	-451	-46.3%
39.5%	968	499	-469	-48.5%
40.7%	956	482	-474	-49.6%
42.0%	955	467	-488	-51.1%
43.2%	945	463	-482	-51.0%
44.4%	940	460	-479	-51.0%
45.7%	897	446	-451	-50.2%
46.9%	875	438	-437	-50.0%
48.1%	844	437	-407	-48.2%
49.4%	843	436	-407	-48.3%
50.6%	836	416	-420	-50.3%
51.9%	831	406	-425	-51.1%
53.1%	822	405	-417	-50.7%
54.3%	815	390	-424	-52.1%
55.6%	796	387	-409	-51.3%
56.8%	776	374	-402	-51.8%
58.0%	756	371	-385	-50.9%
59.3%	752	360	-392	-52.1%
60.5%	749	360	-390	-52.0%
61.7%	688	359	-328	-47.7%
63.0%	666	351	-314	-47.2%
64.2%	627	340	-287	-45.8%
65.4%	618	326	-292	-47.3%
66.7%	569	290	-279	-49.0%
67.9%	534	276	-258	-48.3%
69.1%	492	276	-216	-43.9%
70.4%	422	274	-148	-35.1%
71.6%	395	239	-156	-39.6%
72.8%	372	236	-136	-36.5%
74.1%	360	229	-130	-36.2%
75.3%	353	216	-138	-39.0%
76.5%	353	204	-149	-42.2%
77.8%	333	199	-134	-40.2%
79.0%	324	192	-132	-40.6%
80.2%	323	181	-142	-43.9%
81.5%	299	177	-122	-40.7%
82.7%	299	172	-126	-42.4%
84.0%	291	129	-161	-55.5%
85.2%	290	129	-161	-55.6%
86.4%	285	119	-165	-58.1%
87.7%	261	100	-162	-61.8%
88.9%	260	99	-162	-62.1%
90.1%	252	70	-181	-72.0%
91.4%	249	65	-183	-73.7%
92.6%	222	48	-174	-78.4%
93.8%	201	47	-153	-76.4%
95.1%	158	42	-116	-73.4%
96.3%	69	20	-49	-70.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	1,435	321	28.8%
1.2%	1,103	1,279	176	15.9%
2.5%	1,103	1,114	11	1.0%
3.7%	1,102	1,103	2	0.2%
4.9%	1,101	1,103	2	0.2%
6.2%	1,100	1,102	1	0.1%
7.4%	1,100	1,101	1	0.1%
8.6%	1,092	1,091	0	0.0%
9.9%	1,091	1,086	-5	-0.4%
11.1%	1,086	1,083	-4	-0.3%
12.3%	1,083	1,080	-3	-0.3%
13.6%	1,080	1,062	-18	-1.7%
14.8%	1,078	1,028	-50	-4.7%
16.0%	1,064	1,024	-39	-3.7%
17.3%	1,062	1,021	-41	-3.9%
18.5%	1,028	1,012	-17	-1.6%
19.8%	1,024	1,000	-24	-2.3%
21.0%	1,021	983	-38	-3.7%
22.2%	1,017	958	-59	-5.8%
23.5%	1,012	954	-58	-5.7%
24.7%	1,000	946	-54	-5.4%
25.9%	963	938	-25	-2.6%
27.2%	954	929	-24	-2.5%
28.4%	953	918	-35	-3.6%
29.6%	937	847	-91	-9.7%
30.9%	935	813	-122	-13.0%
32.1%	923	810	-113	-12.2%
33.3%	918	791	-127	-13.8%
34.6%	904	769	-135	-14.9%
35.8%	805	707	-97	-12.1%
37.0%	788	685	-103	-13.1%
38.3%	782	674	-109	-13.9%
39.5%	779	667	-112	-14.4%
40.7%	776	659	-117	-15.1%
42.0%	768	652	-115	-15.0%
43.2%	754	650	-104	-13.7%
44.4%	713	646	-67	-9.5%
45.7%	698	642	-56	-8.0%
46.9%	672	629	-43	-6.5%
48.1%	660	602	-58	-8.8%
49.4%	659	578	-80	-12.2%
50.6%	654	532	-123	-18.8%
51.9%	635	518	-118	-18.5%
53.1%	635	490	-145	-22.9%
54.3%	622	489	-133	-21.3%
55.6%	619	480	-139	-22.4%
56.8%	603	479	-124	-20.6%
58.0%	599	479	-121	-20.1%
59.3%	581	474	-107	-18.4%
60.5%	567	474	-93	-16.4%
61.7%	548	471	-77	-14.1%
63.0%	523	453	-70	-13.3%
64.2%	522	438	-83	-16.0%
65.4%	494	435	-59	-11.9%
66.7%	494	434	-60	-12.0%
67.9%	467	426	-41	-8.7%
69.1%	467	405	-62	-13.2%
70.4%	455	403	-51	-11.3%
71.6%	426	394	-32	-7.5%
72.8%	424	393	-30	-7.2%
74.1%	423	386	-37	-8.8%
75.3%	412	368	-44	-10.7%
76.5%	390	356	-33	-8.6%
77.8%	386	342	-44	-11.3%
79.0%	362	338	-24	-6.6%
80.2%	316	327	11	3.6%
81.5%	298	320	23	7.6%
82.7%	287	313	26	9.0%
84.0%	266	304	39	14.5%
85.2%	258	298	40	15.5%
86.4%	257	258	2	0.6%
87.7%	232	237	5	2.1%
88.9%	230	236	6	2.7%
90.1%	209	214	5	2.4%
91.4%	208	183	-25	-11.8%
92.6%	198	183	-15	-7.8%
93.8%	156	159	3	1.8%
95.1%	126	153	27	21.3%
96.3%	51	78	27	53.6%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	343	-8	-2.4%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	287	-17	-5.6%
6.2%	301	273	-28	-9.2%
7.4%	299	268	-31	-10.4%
8.6%	298	266	-32	-10.8%
9.9%	296	264	-33	-11.0%
11.1%	288	243	-45	-15.8%
12.3%	280	230	-50	-17.9%
13.6%	275	227	-48	-17.3%
14.8%	275	227	-48	-17.4%
16.0%	273	216	-57	-20.9%
17.3%	273	214	-59	-21.5%
18.5%	267	196	-71	-26.5%
19.8%	266	188	-78	-29.4%
21.0%	265	173	-92	-34.8%
22.2%	264	169	-95	-35.9%
23.5%	260	156	-104	-40.0%
24.7%	251	136	-115	-45.7%
25.9%	248	136	-112	-45.3%
27.2%	243	135	-108	-44.6%
28.4%	228	134	-94	-41.4%
29.6%	225	131	-94	-41.8%
30.9%	225	118	-107	-47.6%
32.1%	214	111	-103	-48.2%
33.3%	212	109	-104	-48.8%
34.6%	212	108	-104	-49.1%
35.8%	196	105	-91	-46.4%
37.0%	181	100	-81	-44.7%
38.3%	180	98	-82	-45.4%
39.5%	172	91	-81	-47.2%
40.7%	160	89	-72	-44.8%
42.0%	160	88	-72	-45.2%
43.2%	158	83	-75	-47.2%
44.4%	155	75	-80	-51.7%
45.7%	135	73	-61	-45.7%
46.9%	131	73	-59	-44.6%
48.1%	130	69	-62	-47.3%
49.4%	117	62	-55	-46.8%
50.6%	111	62	-49	-43.9%
51.9%	108	59	-48	-44.8%
53.1%	104	58	-46	-44.2%
54.3%	104	58	-46	-44.4%
55.6%	104	57	-46	-44.7%
56.8%	104	57	-46	-44.8%
58.0%	104	57	-47	-45.2%
59.3%	97	55	-42	-42.9%
60.5%	96	55	-40	-42.3%
61.7%	92	53	-39	-41.9%
63.0%	91	51	-40	-43.9%
64.2%	91	51	-40	-43.7%
65.4%	91	51	-40	-44.4%
66.7%	88	50	-38	-42.9%
67.9%	83	48	-35	-41.7%
69.1%	82	48	-34	-41.5%
70.4%	82	48	-34	-41.5%
71.6%	82	48	-34	-41.5%
72.8%	79	47	-32	-40.7%
74.1%	76	46	-30	-39.7%
75.3%	73	44	-30	-40.3%
76.5%	72	43	-29	-40.5%
77.8%	71	36	-36	-49.8%
79.0%	63	34	-30	-47.1%
80.2%	57	33	-24	-42.6%
81.5%	56	29	-26	-47.0%
82.7%	54	25	-28	-52.6%
84.0%	51	23	-27	-53.5%
85.2%	32	22	-9	-28.9%
86.4%	23	22	-1	-3.7%
87.7%	22	20	-2	-8.5%
88.9%	21	19	-2	-11.5%
90.1%	20	18	-2	-8.7%
91.4%	18	18	0	0.3%
92.6%	16	16	-1	-5.7%
93.8%	16	13	-2	-14.3%
95.1%	15	13	-1	-8.9%
96.3%	12	9	-3	-25.8%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-3a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Diversion (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative A	714	433	571	237	274	456	2,197	1,996	2,067	1,768	1,963	487
Difference	-40	-12	361	154	206	416	7	-89	-836	-1,030	-103	-61
Percent Difference[3]	-5.3%	-2.8%					0.3%	-4.3%	-28.8%	-36.8%	-5.0%	-11.1%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative A	641	373	648	250	237	175	2,071	2,169	2,545	1,972	2,173	460
Difference	-152	-88	420	169	170	144	49	46	-424	-898	34	-116
Percent Difference	-19.2%	-19.0%					2.4%	2.2%	-14.3%	-31.3%	1.6%	-20.2%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative A	875	516	762	326	350	633	2,401	2,269	1,964	1,642	2,018	479
Difference	96	64	556	253	286	607	241	191	-1,019	-1,246	-128	-94
Percent Difference	12.3%	14.1%					11.2%	9.2%	-34.2%	-43.1%	-6.0%	-16.3%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative A	685	429	612	281	315	663	2,651	2,196	2,106	1,550	1,827	496
Difference	-95	-33	416	191	247	618	349	17	-846	-1,336	-332	-68
Percent Difference	-12.1%	-7.1%					15.2%	0.8%	-28.7%	-46.3%	-15.4%	-12.0%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative A	778	483	463	179	303	679	2,337	1,849	1,755	1,804	1,932	547
Difference	-5	56	240	92	234	636	21	-296	-1,203	-1,037	-177	5
Percent Difference	-0.7%	13.1%	107.5%				0.9%	-13.8%	-40.7%	-36.5%	-8.4%	0.9%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative A	647	409	329	160	183	311	1,524	1,338	1,555	1,650	1,660	456
Difference	81	-4	159	71	115	247	-741	-473	-986	-734	3	0
Percent Difference	14.2%	-1.0%	93.3%				-32.7%	-26.1%	-38.8%	-30.8%	0.2%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-3b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

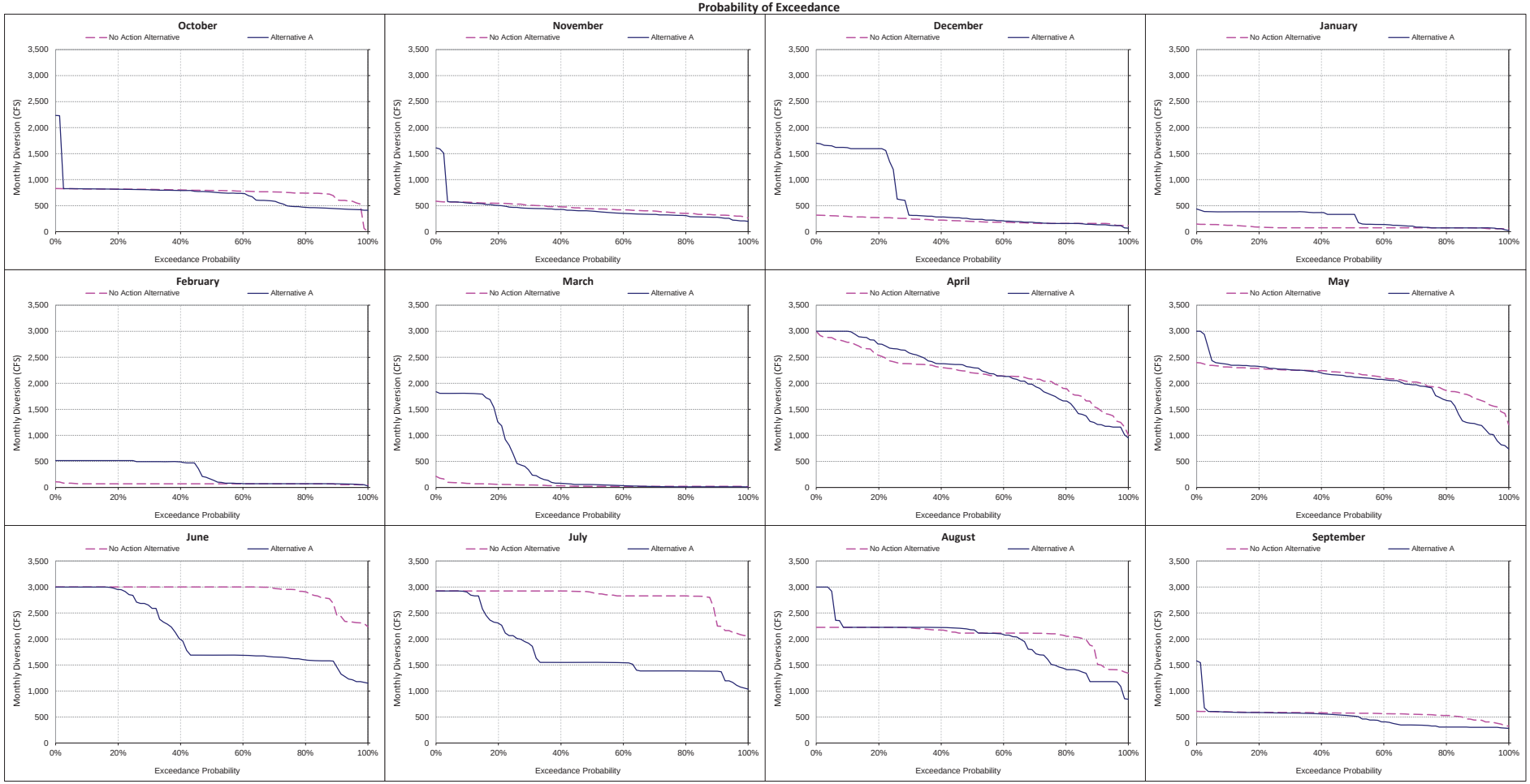

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	828	1	0.2%
3.7%	825	826	1	0.1%
4.9%	825	825	0	0.0%
6.2%	823	825	2	0.2%
7.4%	823	823	0	0.0%
8.6%	823	822	-1	-0.1%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	821	0	0.0%
13.6%	821	821	-1	-0.1%
14.8%	821	820	-1	-0.2%
16.0%	821	819	-2	-0.2%
17.3%	820	819	-1	-0.1%
18.5%	819	818	-1	-0.2%
19.8%	819	815	-4	-0.5%
21.0%	819	815	-4	-0.5%
22.2%	818	814	-3	-0.4%
23.5%	816	813	-3	-0.4%
24.7%	816	812	-4	-0.5%
25.9%	815	811	-4	-0.5%
27.2%	815	809	-5	-0.6%
28.4%	814	807	-7	-0.9%
29.6%	813	805	-8	-0.9%
30.9%	812	803	-9	-1.2%
32.1%	811	802	-9	-1.1%
33.3%	809	796	-13	-1.6%
34.6%	809	796	-13	-1.6%
35.8%	807	795	-13	-1.6%
37.0%	806	794	-12	-1.4%
38.3%	805	793	-12	-1.5%
39.5%	803	792	-11	-1.4%
40.7%	802	791	-10	-1.3%
42.0%	799	791	-8	-1.0%
43.2%	796	790	-6	-0.8%
44.4%	796	779	-17	-2.1%
45.7%	795	773	-22	-2.7%
46.9%	794	772	-23	-2.8%
48.1%	793	767	-26	-3.3%
49.4%	792	765	-27	-3.4%
50.6%	791	760	-31	-3.9%
51.9%	791	754	-37	-4.7%
53.1%	790	743	-47	-6.0%
54.3%	787	742	-45	-5.8%
55.6%	787	741	-46	-5.8%
56.8%	787	741	-46	-5.8%
58.0%	781	739	-42	-5.4%
59.3%	779	738	-41	-5.3%
60.5%	778	734	-44	-5.7%
61.7%	777	693	-84	-10.8%
63.0%	773	672	-101	-13.1%
64.2%	772	607	-164	-21.3%
65.4%	768	602	-166	-21.6%
66.7%	767	601	-166	-21.6%
67.9%	767	596	-171	-22.3%
69.1%	765	593	-172	-22.5%
70.4%	764	584	-180	-23.5%
71.6%	761	553	-208	-27.4%
72.8%	760	532	-229	-30.1%
74.1%	754	496	-258	-34.2%
75.3%	749	486	-263	-35.1%
76.5%	743	480	-263	-35.4%
77.8%	743	480	-263	-35.5%
79.0%	742	470	-272	-36.6%
80.2%	741	465	-276	-37.2%
81.5%	741	464	-277	-37.4%
82.7%	739	460	-278	-37.7%
84.0%	738	459	-279	-37.8%
85.2%	734	458	-275	-37.5%
86.4%	727	454	-273	-37.5%
87.7%	722	452	-271	-37.5%
88.9%	693	448	-245	-35.3%
90.1%	607	439	-168	-27.6%
91.4%	602	439	-163	-27.0%
92.6%	601	434	-167	-27.8%
93.8%	587	430	-158	-26.8%
95.1%	584	429	-155	-26.5%
96.3%	553	426	-127	-22.9%
97.5%	532	424	-108	-20.3%
98.8%	63	413	350	556.8%
100.0%	0	410	410	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	562	-7	-1.2%
9.9%	566	552	-14	-2.5%
11.1%	564	546	-18	-3.2%
12.3%	560	542	-18	-3.2%
13.6%	555	541	-14	-2.5%
14.8%	551	537	-13	-2.4%
16.0%	550	524	-25	-4.6%
17.3%	548	524	-24	-4.4%
18.5%	546	514	-32	-5.9%
19.8%	546	501	-45	-8.2%
21.0%	545	500	-46	-8.4%
22.2%	544	489	-55	-10.2%
23.5%	539	473	-66	-12.3%
24.7%	533	466	-67	-12.5%
25.9%	529	465	-64	-12.1%
27.2%	529	456	-73	-13.7%
28.4%	516	450	-66	-12.7%
29.6%	508	450	-58	-11.5%
30.9%	507	447	-60	-11.9%
32.1%	502	447	-56	-11.1%
33.3%	501	444	-57	-11.3%
34.6%	501	442	-58	-11.6%
35.8%	482	437	-45	-9.4%
37.0%	482	435	-47	-9.7%
38.3%	481	428	-53	-11.0%
39.5%	479	426	-53	-11.1%
40.7%	475	426	-49	-10.4%
42.0%	474	412	-63	-13.2%
43.2%	465	412	-53	-11.4%
44.4%	457	405	-53	-11.5%
45.7%	457	402	-55	-11.9%
46.9%	450	401	-49	-11.0%
48.1%	443	400	-43	-9.8%
49.4%	442	400	-43	-9.6%
50.6%	438	390	-48	-11.1%
51.9%	438	387	-51	-11.5%
53.1%	436	378	-59	-13.4%
54.3%	435	370	-65	-14.9%
55.6%	428	368	-61	-14.2%
56.8%	426	361	-65	-15.2%
58.0%	421	357	-63	-15.1%
59.3%	420	356	-64	-15.3%
60.5%	420	347	-73	-17.4%
61.7%	417	344	-73	-17.4%
63.0%	411	341	-70	-16.9%
64.2%	408	341	-67	-16.4%
65.4%	405	338	-67	-16.6%
66.7%	401	338	-63	-15.8%
67.9%	400	335	-65	-16.2%
69.1%	398	331	-67	-16.9%
70.4%	396	330	-65	-16.5%
71.6%	386	323	-63	-16.2%
72.8%	379	323	-56	-14.8%
74.1%	376	322	-54	-14.4%
75.3%	369	319	-50	-13.6%
76.5%	364	316	-49	-13.3%
77.8%	357	313	-44	-12.3%
79.0%	353	312	-40	-11.4%
80.2%	351	305	-46	-13.0%
81.5%	349	289	-59	-17.0%
82.7%	346	288	-58	-16.7%
84.0%	333	284	-49	-14.6%
85.2%	331	283	-48	-14.6%
86.4%	330	281	-49	-15.0%
87.7%	330	279	-51	-15.4%
88.9%	323	279	-43	-13.4%
90.1%	322	277	-45	-14.0%
91.4%	318	266	-53	-16.5%
92.6%	318	259	-59	-18.6%
93.8%	312	257	-55	-17.7%
95.1%	306	222	-85	-27.6%
96.3%	299	216	-83	-27.8%
97.5%	298	209	-89	-29.9%
98.8%	285	205	-80	-27.9%
100.0%	263	197	-65	-24.9%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,692	1,376	435.5%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,597	1,329	495.1%
22.2%	268	1,558	1,290	481.5%
23.5%	268	1,347	1,079	402.8%
24.7%	263	1,194	931	353.7%
25.9%	259	628	369	142.3%
27.2%	255	614	359	140.8%
28.4%	254	602	348	136.7%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	306	69	29.1%
34.6%	235	304	69	29.1%
35.8%	231	298	66	28.6%
37.0%	225	296	72	31.9%
38.3%	224	284	61	27.0%
39.5%	222	283	61	27.2%
40.7%	222	282	61	27.3%
42.0%	216	277	61	28.0%
43.2%	212	271	59	27.8%
44.4%	212	268	57	26.7%
45.7%	209	268	59	27.9%
46.9%	204	259	55	26.9%
48.1%	201	255	54	26.7%
49.4%	197	240	43	21.8%
50.6%	194	239	45	23.4%
51.9%	193	238	45	23.3%
53.1%	189	237	48	25.2%
54.3%	185	225	40	21.7%
55.6%	184	222	38	20.9%
56.8%	183	222	39	21.6%
58.0%	181	212	32	17.5%
59.3%	180	212	32	17.6%
60.5%	179	204	25	13.9%
61.7%	179	201	23	12.8%
63.0%	175	197	22	12.6%
64.2%	172	194	22	12.9%
65.4%	171	193	22	12.9%
66.7%	171	185	13	7.7%
67.9%	166	183	16	9.7%
69.1%	161	180	19	11.6%
70.4%	161	172	11	6.7%
71.6%	159	171	13	8.1%
72.8%	158	161	4	2.4%
74.1%	158	161	3	2.0%
75.3%	158	159	1	0.5%
76.5%	158	158	0	0.0%
77.8%	158	158	0	0.0%
79.0%	158	158	0	0.0%
80.2%	158	158	0	0.0%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	157	0	-0.3%
85.2%	158	152	-6	-3.7%
86.4%	158	144	-14	-8.7%
87.7%	158	141	-17	-10.6%
88.9%	158	139	-19	-11.9%
90.1%	158	132	-25	-16.1%
91.4%	158	131	-27	-17.1%
92.6%	158	131	-27	-17.1%
93.8%	152	122	-29	-19.4%
95.1%	138	119	-19	-13.7%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	74	-45	-37.6%
100.0%	119	66	-53	-44.6%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	373	298	398.8%
37.0%	75	365	291	388.4%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	332	258	344.2%
43.2%	75	332	258	344.2%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	171	96	128.9%
53.1%	75	147	72	95.9%
54.3%	75	144	69	92.7%
55.6%	75	141	66	87.9%
56.8%	75	141	66	87.9%
58.0%	75	139	65	86.2%
59.3%	75	137	63	83.6%
60.5%	75	137	62	82.5%
61.7%	75	133	59	78.2%
63.0%	75	122	47	63.2%
64.2%	75	122	47	63.2%
65.4%	75	120	45	60.0%
66.7%	75	114	39	52.5%
67.9%	75	108	33	44.5%
69.1%	75	106	31	41.7%
70.4%	75	87	12	16.6%
71.6%	75	87	12	16.1%
72.8%	75	82	7	10.0%
74.1%	75	80	6	7.5%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	38	-19	-33.4%
100.0%	56	23	-33	-58.8%

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	496	428	625.5%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	495	427	624.1%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	479	411	600.5%
42.0%	68	471	402	587.8%
43.2%	68	471	402	587.8%
44.4%	68	471	402	587.8%
45.7%	68	361	293	428.1%
46.9%	68	208	140	204.2%
48.1%	68	194	126	183.7%
49.4%	68	164	96	139.7%
50.6%	68	134	66	96.3%
51.9%	68	100	32	46.7%
53.1%	68	97	29	41.7%
54.3%	68	83	14	20.7%
55.6%	68	80	12	16.9%
56.8%	68	80	11	16.5%
58.0%	68	77	9	13.2%
59.3%	68	74	6	8.7%
60.5%	68	68	0	0.0%
61.7%	68	68	0	0.0%
63.0%	68	68	0	0.0%
64.2%	68	68	0	0.0%
65.4%	68	68	0	0.0%
66.7%	68	68	0	0.0%
67.9%	68	68	0	0.0%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	66	14	27.8%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	58	6	12.5%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	26	-24	-48.5%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,807	1,631	927.8%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,802	1,733	
13.6%	69	1,797	1,728	
14.8%	68	1,793	1,724	
16.0%	66	1,724	1,657	
17.3%	66	1,689	1,624	
18.5%	61	1,539	1,478	
19.8%	58	1,257	1,198	
21.0%	58	1,186	1,128	
22.2%	56	921	865	
23.5%	56	810	754	
24.7%	50	643	593	
25.9%	48	460	412	867.6%
27.2%	47	432	385	826.3%
28.4%	46	406	360	783.9%
29.6%	46	341	296	649.3%
30.9%	45	237	192	427.4%
32.1%	44	226	182	414.2%
33.3%	41	180	139	341.2%
34.6%	40	150	109	270.7%
35.8%	33	136	103	315.9%
37.0%	32	94	61	189.5%
38.3%	32	82	50	153.8%
39.5%	30	78	48	157.1%
40.7%	30	74	44	144.1%
42.0%	25	71	47	187.7%
43.2%	25	67	42	170.7%
44.4%	22	55	33	150.5%
45.7%	22	55	33	151.2%
46.9%	22	55	33	149.0%
48.1%	22	54	32	148.7%
49.4%	20	53	34	171.8%
50.6%	20	53	34	171.8%
51.9%	20	51	31	160.0%
53.1%	20	46	27	136.4%
54.3%	20	46	27	136.4%
55.6%	20	44	24	124.6%
56.8%	20	39	20	101.0%
58.0%	20	37	17	89.2%
59.3%	20	35	15	77.4%
60.5%	20	33	13	66.9%
61.7%	20	32	13	65.7%
63.0%	20	23	4	18.5%
64.2%	20	23	4	18.5%
65.4%	20	22	3	14.5%
66.7%	20	22	3	13.2%
67.9%	20	16	-3	-16.9%
69.1%	20	14	-6	-28.8%
70.4%	20	14	-6	-29.1%
71.6%	20	14	-6	-30.2%
72.8%	20	11	-8	-41.7%
74.1%	20	11	-8	-41.7%
75.3%	20	11	-8	-41.7%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.8%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	2,993	206	7.4%
12.3%	2,749	2,945	197	7.1%
13.6%	2,717	2,897	180	6.6%
14.8%	2,674	2,885	212	7.9%
16.0%	2,666	2,883	217	8.1%
17.3%	2,660	2,838	177	6.7%
18.5%	2,585	2,832	246	9.5%
19.8%	2,543	2,755	213	8.4%
21.0%	2,518	2,749	230	9.1%
22.2%	2,484	2,717	233	9.4%
23.5%	2,433	2,674	241	9.9%
24.7%	2,414	2,666	251	10.4%
25.9%	2,395	2,660	265	11.1%
27.2%	2,380	2,643	263	11.1%
28.4%	2,379	2,636	257	10.8%
29.6%	2,377	2,585	209	8.8%
30.9%	2,374	2,562	188	7.9%
32.1%	2,366	2,545	179	7.6%
33.3%	2,364	2,518	155	6.6%
34.6%	2,363	2,484	121	5.1%
35.8%	2,353	2,433	80	3.4%
37.0%	2,347	2,414	68	2.9%
38.3%	2,323	2,380	57	2.4%
39.5%	2,310	2,379	69	3.0%
40.7%	2,299	2,377	78	3.4%
42.0%	2,291	2,374	83	3.6%
43.2%	2,283	2,366	83	3.6%
44.4%	2,267	2,364	96	4.3%
45.7%	2,248	2,363	115	5.1%
46.9%	2,239	2,357	118	5.3%
48.1%	2,235	2,323	88	3.9%
49.4%	2,205	2,310	104	4.7%
50.6%	2,197	2,299	102	4.6%
51.9%	2,189	2,291	101	4.6%
53.1%	2,181	2,235	54	2.5%
54.3%	2,173	2,216	43	2.0%
55.6%	2,151	2,189	38	1.8%
56.8%	2,144	2,181	37	1.7%
58.0%	2,142	2,144	2	0.1%
59.3%	2,141	2,141	0	0.0%
60.5%	2,139	2,130	-8	-0.4%
61.7%	2,136	2,130	-5	-0.3%
63.0%	2,135	2,090	-45	-2.1%
64.2%	2,130	2,077	-54	-2.5%
65.4%	2,130	2,042	-88	-4.1%
66.7%	2,116	2,042	-74	-3.5%
67.9%	2,090	1,986	-104	-5.0%
69.1%	2,080	1,983	-96	-4.6%
70.4%	2,077	1,931	-146	-7.0%
71.6%	2,077	1,903	-174	-8.4%
72.8%	2,042	1,838	-204	-10.0%
74.1%	2,042	1,809	-233	-11.4%
75.3%	2,034	1,777	-256	-12.6%
76.5%	1,983	1,747	-236	-11.9%
77.8%	1,967	1,697	-270	-13.7%
79.0%	1,903	1,662	-241	-12.7%
80.2%	1,895	1,659	-236	-12.5%
81.5%	1,809	1,609	-200	-11.0%
82.7%	1,777	1,522	-254	-14.3%
84.0%	1,768	1,418	-350	-19.8%
85.2%	1,747	1,402	-346	-19.8%
86.4%	1,662	1,375	-287	-17.2%
87.7%	1,659	1,271	-389	-23.4%
88.9%	1,555	1,249	-305	-19.6%
90.1%	1,522	1,208	-314	-20.6%
91.4%	1,466	1,201	-265	-18.1%
92.6%	1,418	1,174	-244	-17.2%
93.8%	1,402	1,172	-230	-16.4%
95.1%	1,375	1,161	-215	-15.6%
96.3%	1,271	1,158	-113	-8.9%
97.5%	1,249	1,158	-92	-7.3%
98.8%	1,158	1,007	-151	-13.0%
100.0%	1,002	947	-55	-5.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	2,943	574	24.2%
3.7%	2,346	2,681	335	14.3%
4.9%	2,346	2,436	90	3.8%
6.2%	2,338	2,397	59	2.5%
7.4%	2,331	2,389	58	2.5%
8.6%	2,315	2,379	64	2.7%
9.9%	2,315	2,368	53	2.3%
11.1%	2,310	2,348	38	1.7%
12.3%	2,299	2,346	46	2.0%
13.6%	2,299	2,345	46	2.0%
14.8%	2,299	2,342	43	1.9%
16.0%	2,296	2,340	44	1.9%
17.3%	2,289	2,331	41	1.8%
18.5%	2,289	2,330	41	1.8%
19.8%	2,289	2,325	36	1.6%
21.0%	2,284	2,315	31	1.3%
22.2%	2,274	2,310	36	1.6%
23.5%	2,274	2,289	15	0.7%
24.7%	2,266	2,286	20	0.9%
25.9%	2,266	2,275	9	0.4%
27.2%	2,261	2,274	13	0.6%
28.4%	2,258	2,274	16	0.7%
29.6%	2,255	2,263	8	0.3%
30.9%	2,252	2,255	3	0.1%
32.1%	2,250	2,250	0	0.0%
33.3%	2,250	2,250	0	0.0%
34.6%	2,248	2,247	-1	0.0%
35.8%	2,247	2,237	-10	-0.4%
37.0%	2,245	2,228	-17	-0.8%
38.3%	2,245	2,226	-19	-0.8%
39.5%	2,242	2,206	-36	-1.6%
40.7%	2,242	2,187	-54	-2.4%
42.0%	2,237	2,176	-61	-2.7%
43.2%	2,222	2,165	-57	-2.6%
44.4%	2,219	2,162	-57	-2.6%
45.7%	2,213	2,155	-58	-2.6%
46.9%	2,211	2,154	-57	-2.6%
48.1%	2,206	2,133	-73	-3.3%
49.4%	2,198	2,133	-66	-3.0%
50.6%	2,185	2,118	-67	-3.1%
51.9%	2,185	2,114	-71	-3.2%
53.1%	2,165	2,108	-57	-2.6%
54.3%	2,162	2,105	-57	-2.7%
55.6%	2,147	2,098	-49	-2.3%
56.8%	2,141	2,086	-55	-2.6%
58.0%	2,133	2,078	-55	-2.6%
59.3%	2,118	2,076	-42	-2.0%
60.5%	2,100	2,066	-34	-1.6%
61.7%	2,086	2,058	-28	-1.4%
63.0%	2,086	2,052	-34	-1.6%
64.2%	2,076	2,052	-24	-1.2%
65.4%	2,066	2,025	-41	-2.0%
66.7%	2,045	1,986	-59	-2.9%
67.9%	2,032	1,984	-48	-2.4%
69.1%	2,025	1,972	-53	-2.6%
70.4%	2,024	1,972	-53	-2.6%
71.6%	2,007	1,946	-61	-3.0%
72.8%	1,990	1,944	-47	-2.3%
74.1%	1,944	1,926	-18	-0.9%
75.3%	1,937	1,915	-22	-1.1%
76.5%	1,926	1,762	-164	-8.5%
77.8%	1,921	1,732	-189	-9.9%
79.0%	1,882	1,692	-189	-10.1%
80.2%	1,856	1,667	-189	-10.2%
81.5%	1,843	1,659	-184	-10.0%
82.7%	1,840	1,562	-278	-15.1%
84.0%	1,825	1,409	-415	-22.8%
85.2%	1,797	1,281	-516	-28.7%
86.4%	1,790	1,247	-543	-30.3%
87.7%	1,762	1,232	-530	-30.1%
88.9%	1,709	1,228	-481	-28.2%
90.1%	1,692	1,202	-490	-29.0%
91.4%	1,667	1,190	-477	-28.6%
92.6%	1,642	1,110	-532	-32.4%
93.8%	1,586	1,024	-562	-35.4%
95.1%	1,562	1,016	-546	-35.0%
96.3%	1,547	893	-655	-42.3%
97.5%	1,456	819	-638	-43.8%
98.8%	1,422	806	-616	-43.3%
100.0%	1,202	739	-464	-38.6%

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	2,998	-2	-0.1%
17.3%	3,000	2,996	-4	-0.1%
18.5%	3,000	2,978	-22	-0.7%
19.8%	3,000	2,955	-45	-1.5%
21.0%	3,000	2,950	-50	-1.7%
22.2%	3,000	2,915	-85	-2.8%
23.5%	3,000	2,851	-149	-5.0%
24.7%	3,000	2,837	-163	-5.4%
25.9%	3,000	2,707	-293	-9.8%
27.2%	3,000	2,685	-315	-10.5%
28.4%	3,000	2,685	-315	-10.5%
29.6%	3,000	2,653	-347	-11.6%
30.9%	3,000	2,588	-412	-13.7%
32.1%	3,000	2,587	-413	-13.8%
33.3%	3,000	2,378	-622	-20.7%
34.6%	3,000	2,326	-674	-22.5%
35.8%	3,000	2,283	-717	-23.9%
37.0%	3,000	2,228	-772	-25.7%
38.3%	3,000	2,131	-869	-29.0%
39.5%	3,000	2,008	-992	-33.1%
40.7%	3,000	1,962	-1,038	-34.6%
42.0%	3,000	1,781	-1,219	-40.6%
43.2%	3,000	1,692	-1,308	-43.6%
44.4%	3,000	1,692	-1,308	-43.6%
45.7%	3,000	1,692	-1,308	-43.6%
46.9%	3,000	1,692	-1,308	-43.6%
48.1%	3,000	1,692	-1,308	-43.6%
49.4%	3,000	1,692	-1,308	-43.6%
50.6%	3,000	1,692	-1,308	-43.6%
51.9%	3,000	1,692	-1,308	-43.6%
53.1%	3,000	1,691	-1,309	-43.6%
54.3%	3,000	1,689	-1,311	-43.7%
55.6%	3,000	1,689	-1,311	-43.7%
56.8%	3,000	1,689	-1,311	-43.7%
58.0%	3,000	1,689	-1,311	-43.7%
59.3%	3,000	1,689	-1,311	-43.7%
60.5%	3,000	1,686	-1,314	-43.8%
61.7%	3,000	1,684	-1,316	-43.9%
63.0%	3,000	1,678	-1,322	-44.1%
64.2%	2,998	1,675	-1,323	-44.1%
65.4%	2,998	1,673	-1,325	-44.2%
66.7%	2,996	1,673	-1,323	-44.2%
67.9%	2,996	1,665	-1,331	-44.4%
69.1%	2,985	1,657	-1,328	-44.5%
70.4%	2,969	1,657	-1,312	-44.2%
71.6%	2,964	1,654	-1,309	-44.2%
72.8%	2,953	1,644	-1,309	-44.3%
74.1%	2,953	1,641	-1,312	-44.4%
75.3%	2,953	1,624	-1,329	-45.0%
76.5%	2,950	1,622	-1,328	-45.0%
77.8%	2,918	1,619	-1,299	-44.5%
79.0%	2,915	1,609	-1,307	-44.8%
80.2%	2,905	1,595	-1,309	-45.1%
81.5%	2,865	1,585	-1,279	-44.7%
82.7%	2,840	1,585	-1,255	-44.2%
84.0%	2,827	1,585	-1,242	-43.9%
85.2%	2,792	1,582	-1,210	-43.3%
86.4%	2,787	1,582	-1,205	-43.2%
87.7%	2,776	1,580	-1,196	-43.1%
88.9%	2,685	1,577	-1,109	-41.3%
90.1%	2,439	1,450	-990	-40.6%
91.4%	2,434	1,325	-1,109	-45.6%
92.6%	2,338	1,281	-1,057	-45.2%
93.8%	2,330	1,231	-1,099	-47.2%
95.1%	2,326	1,214	-1,112	-47.8%
96.3%	2,315	1,180	-1,134	-49.0%
97.5%	2,310	1,180	-1,130	-48.9%
98.8%	2,296	1,167	-1,130	-49.2%
100.0%	2,236	1,152	-1,084	-48.5%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	2,923	0	0.0%
1.2%	2,923	2,923	0	0.0%
2.5%	2,923	2,923	0	0.0%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,918	-5	-0.2%
9.9%	2,923	2,902	-21	-0.7%
11.1%	2,923	2,842	-81	-2.8%
12.3%	2,923	2,828	-95	-3.3%
13.6%	2,923	2,828	-95	-3.3%
14.8%	2,923	2,577	-346	-11.8%
16.0%	2,923	2,452	-471	-16.1%
17.3%	2,923	2,364	-559	-19.1%
18.5%	2,923	2,325	-598	-20.5%
19.8%	2,923	2,310	-613	-21.0%
21.0%	2,923	2,264	-660	-22.6%
22.2%	2,923	2,112	-811	-27.7%
23.5%	2,923	2,067	-857	-29.3%
24.7%	2,923	2,064	-860	-29.4%
25.9%	2,923	2,009	-914	-31.3%
27.2%	2,923	1,993	-930	-31.8%
28.4%	2,923	1,947	-976	-33.4%
29.6%	2,923	1,920	-1,003	-34.3%
30.9%	2,923	1,861	-1,062	-36.3%
32.1%	2,923	1,628	-1,296	-44.3%
33.3%	2,923	1,548	-1,375	-47.0%
34.6%	2,923	1,548	-1,375	-47.0%
35.8%	2,923	1,548	-1,375	-47.0%
37.0%	2,923	1,548	-1,375	-47.0%
38.3%	2,923	1,548	-1,375	-47.0%
39.5%	2,923	1,548	-1,375	-47.0%
40.7%	2,923	1,548	-1,375	-47.0%
42.0%	2,923	1,548	-1,375	-47.0%
43.2%	2,918	1,548	-1,370	-46.9%
44.4%	2,915	1,548	-1,367	-46.9%
45.7%	2,915	1,548	-1,366	-46.9%
46.9%	2,913	1,548	-1,365	-46.9%
48.1%	2,912	1,548	-1,364	-46.8%
49.4%	2,902	1,548	-1,354	-46.7%
50.6%	2,885	1,548	-1,336	-46.3%
51.9%	2,868	1,548	-1,320	-46.0%
53.1%	2,866	1,548	-1,318	-46.0%
54.3%	2,851	1,548	-1,302	-45.7%
55.6%	2,845	1,548	-1,297	-45.6%
56.8%	2,844	1,548	-1,296	-45.6%
58.0%	2,828	1,547	-1,281	-45.3%
59.3%	2,828	1,543	-1,285	-45.4%
60.5%	2,828	1,543	-1,285	-45.4%
61.7%	2,828	1,538	-1,290	-45.6%
63.0%	2,828	1,517	-1,311	-46.4%
64.2%	2,828	1,399	-1,429	-50.5%
65.4%	2,828	1,384	-1,444	-51.1%
66.7%	2,828	1,384	-1,444	-51.1%
67.9%	2,828	1,384	-1,444	-51.1%
69.1%	2,828	1,384	-1,444	-51.1%
70.4%	2,828	1,384	-1,444	-51.1%
71.6%	2,828	1,384	-1,444	-51.1%
72.8%	2,828	1,384	-1,444	-51.1%
74.1%	2,828	1,384	-1,444	-51.1%
75.3%	2,828	1,384	-1,444	-51.1%
76.5%	2,828	1,384	-1,444	-51.1%
77.8%	2,828	1,384	-1,444	-51.1%
79.0%	2,828	1,384	-1,444	-51.1%
80.2%	2,828	1,384	-1,444	-51.1%
81.5%	2,823	1,384	-1,439	-51.0%
82.7%	2,823	1,383	-1,440	-51.0%
84.0%	2,823	1,383	-1,440	-51.0%
85.2%	2,820	1,383	-1,437	-51.0%
86.4%	2,810	1,381	-1,429	-50.8%
87.7%	2,799	1,381	-1,418	-50.7%
88.9%	2,610	1,378	-1,231	-47.2%
90.1%	2,247	1,378	-869	-38.7%
91.4%	2,244	1,368	-876	-39.0%
92.6%	2,163	1,197	-967	-44.7%
93.8%	2,162	1,195	-967	-44.7%
95.1%	2,128	1,163	-965	-45.4%
96.3%	2,110	1,110	-1,000	-47.4%
97.5%	2,082	1,076	-1,006	-48.3%
98.8%	2,067	1,057	-1,009	-48.8%
100.0%	2,064	1,035	-1,029	-49.9%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	2,920	696	31.3%
6.2%	2,224	2,359	135	6.1%
7.4%	2,224	2,355	131	5.9%
8.6%	2,224	2,224	0	0.0%
9.9%	2,224	2,224	0	0.0%
11.1%	2,224	2,224	0	0.0%
12.3%	2,224	2,224	0	0.0%
13.6%	2,224	2,224	0	0.0%
14.8%	2,224	2,224	0	0.0%
16.0%	2,224	2,224	0	0.0%
17.3%	2,224	2,224	0	0.0%
18.5%	2,224	2,224	0	0.0%
19.8%	2,224	2,224	0	0.0%
21.0%	2,224	2,224	0	0.0%
22.2%	2,224	2,224	0	0.0%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,221	2,224	3	0.1%
28.4%	2,219	2,224	5	0.2%
29.6%	2,214	2,224	10	0.5%
30.9%	2,210	2,224	14	0.6%
32.1%	2,203	2,224	21	0.9%
33.3%	2,198	2,224	26	1.2%
34.6%	2,194	2,224	30	1.4%
35.8%	2,186	2,224	38	1.8%
37.0%	2,177	2,224	47	2.1%
38.3%	2,175	2,224	49	2.3%
39.5%	2,173	2,221	48	2.2%
40.7%	2,170	2,221	52	2.4%
42.0%	2,156	2,219	63	2.9%
43.2%	2,134	2,219	84	3.9%
44.4%	2,132	2,211	80	3.7%
45.7%	2,114	2,211	97	4.6%
46.9%	2,114	2,199	86	4.0%
48.1%	2,114	2,196	83	3.9%
49.4%	2,114	2,177	64	3.0%
50.6%	2,114	2,175	61	2.9%
51.9%	2,114	2,114	0	0.0%
53.1%	2,114	2,114	0	0.0%
54.3%	2,114	2,112	-2	-0.1%
55.6%	2,114	2,109	-5	-0.2%
56.8%	2,114	2,108	-6	-0.3%
58.0%	2,114	2,103	-10	-0.5%
59.3%	2,114	2,101	-13	-0.6%
60.5%	2,114	2,076	-38	-1.8%
61.7%	2,114	2,074	-40	-1.9%
63.0%	2,114	2,043	-71	-3.3%
64.2%	2,114	2,038	-76	-3.6%
65.4%	2,114	1,993	-120	-5.7%
66.7%	2,114	1,952	-162	-7.7%
67.9%	2,114	1,806	-308	-14.6%
69.1%	2,111	1,794	-317	-15.0%
70.4%	2,109	1,714	-394	-18.7%
71.6%	2,109	1,696	-412	-19.5%
72.8%	2,109	1,690	-418	-19.8%
74.1%	2,103	1,609	-494	-23.5%
75.3%	2,101	1,511	-589	-28.1%
76.5%	2,101	1,496	-604	-28.8%
77.8%	2,083	1,459	-623	-29.9%
79.0%	2,074	1,440	-633	-30.5%
80.2%	2,053	1,413	-640	-31.2%
81.5%	2,048	1,411	-637	-31.1%
82.7%	2,039	1,410	-629	-30.9%
84.0%	2,030	1,397	-633	-31.2%
85.2%	2,010	1,364	-646	-32.1%
86.4%	1,989	1,342	-647	-32.5%
87.7%	1,883	1,179	-704	-37.4%
88.9%	1,854	1,179	-676	-36.4%
90.1%	1,511	1,179	-332	-22.0%
91.4%	1,496	1,179	-317	-21.2%
92.6%	1,440	1,179	-261	-18.1%
93.8%	1,413	1,179	-234	-16.5%
95.1%	1,411	1,179	-232	-16.4%
96.3%	1,410	1,174	-236	-16.7%
97.5%	1,397	1,088	-309	-22.1%
98.8%	1,364	852	-513	-37.6%
100.0%	1,342	841	-501	-37.3%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	1,581	972	159.5%
1.2%	607	1,544	937	154.4%
2.5%	607	678	72	11.9%
3.7%	605	607	2	0.3%
4.9%	604	606	2	0.4%
6.2%	601	605	5	0.8%
7.4%	600	599	-1	-0.1%
8.6%	599	597	-3	-0.4%
9.9%	599	595	-4	-0.7%
11.1%	597	590	-7	-1.1%
12.3%	597	590	-7	-1.1%
13.6%	595	588	-7	-1.2%
14.8%	592	587	-6	-1.0%
16.0%	591	586	-5	-0.8%
17.3%	591	586	-5	-0.9%
18.5%	590	585	-5	-0.9%
19.8%	590	585	-6	-0.9%
21.0%	590	584	-6	-1.0%
22.2%	590	583	-6	-1.1%
23.5%	590	583	-7	-1.2%
24.7%	589	582	-7	-1.2%
25.9%	588	580	-9	-1.5%
27.2%	588	578	-10	-1.6%
28.4%	588	578	-10	-1.7%
29.6%	587	578	-9	-1.5%
30.9%	586	577	-10	-1.7%
32.1%	586	576	-10	-1.7%
33.3%	585	573	-12	-2.1%
34.6%	585	572	-12	-2.1%
35.8%	585	570	-15	-2.6%
37.0%	584	568	-16	-2.7%
38.3%	583	563	-20	-3.5%
39.5%	583	563	-20	-3.4%
40.7%	580	561	-19	-3.3%
42.0%	578	550	-28	-4.8%
43.2%	578	546	-32	-5.5%
44.4%	578	545	-32	-5.6%
45.7%	577	543	-34	-5.9%
46.9%	577	535	-41	-7.2%
48.1%	576	528	-47	-8.2%
49.4%	575	528	-48	-8.3%
50.6%	575	514	-60	-10.5%
51.9%	572	509	-64	-11.1%
53.1%	572	461	-110	-19.3%
54.3%	571	460	-112	-19.6%
55.6%	571	442	-130	-22.7%
56.8%	570	441	-129	-22.7%
58.0%	568	436	-132	-23.2%
59.3%	564	406	-158	-28.1%
60.5%	563	404	-159	-28.2%
61.7%	563	396	-167	-29.6%
63.0%	561	378	-183	-32.6%
64.2%	561	363	-198	-35.2%
65.4%	560	348	-213	-38.0%
66.7%	559	348	-212	-37.9%
67.9%	554	348	-206	-37.2%
69.1%	553	345	-209	-37.7%
70.4%	551	345	-206	-37.4%
71.6%	550	343	-207	-37.6%
72.8%	546	339	-206	-37.8%
74.1%	545	335	-210	-38.6%
75.3%	543	327	-216	-39.8%
76.5%	535	325	-211	-39.3%
77.8%	535	305	-230	-43.0%
79.0%	528	305	-223	-42.3%
80.2%	528	305	-223	-42.3%
81.5%	528	305	-223	-42.2%
82.7%	514	305	-209	-40.7%
84.0%	509	305	-204	-40.1%
85.2%	498	305	-193	-38.7%
86.4%	461	305	-156	-33.9%
87.7%	460	302	-157	-34.2%
88.9%	442	302	-139	-31.6%
90.1%	441	302	-138	-31.4%
91.4%	437	302	-134	-30.7%
92.6%	406	302	-103	-25.5%
93.8%	404	300	-105	-25.9%
95.1%	396	300	-97	-24.4%
96.3%	378	300	-78	-20.7%
97.5%	363	290	-74	-20.3%
98.8%	336	285	-51	-15.1%
100.0%	325	282	-43	-13.1%

Table OP-03-3a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7	55	343	761	655	308	68	66	694	468	19	7
Difference	7	55	343	761	655	308	68	66	694	468	19	7
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	14	58	466	868	551	153	0	0	709	337	45	0
Difference	14	58	466	868	551	153	0	0	709	337	45	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	16	167	451	1,125	993	528	0	0	692	428	0	0
Difference	16	167	451	1,125	993	528	0	0	692	428	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	14	368	1,042	653	321	0	0	488	240	0	0
Difference	0	14	368	1,042	653	321	0	0	488	240	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	32	206	477	788	384	67	72	727	669	0	11
Difference	0	32	206	477	788	384	67	72	727	669	0	11
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	17	141	263	341	295	365	342	854	756	32	33
Difference	0	17	141	263	341	295	365	342	854	756	32	33
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

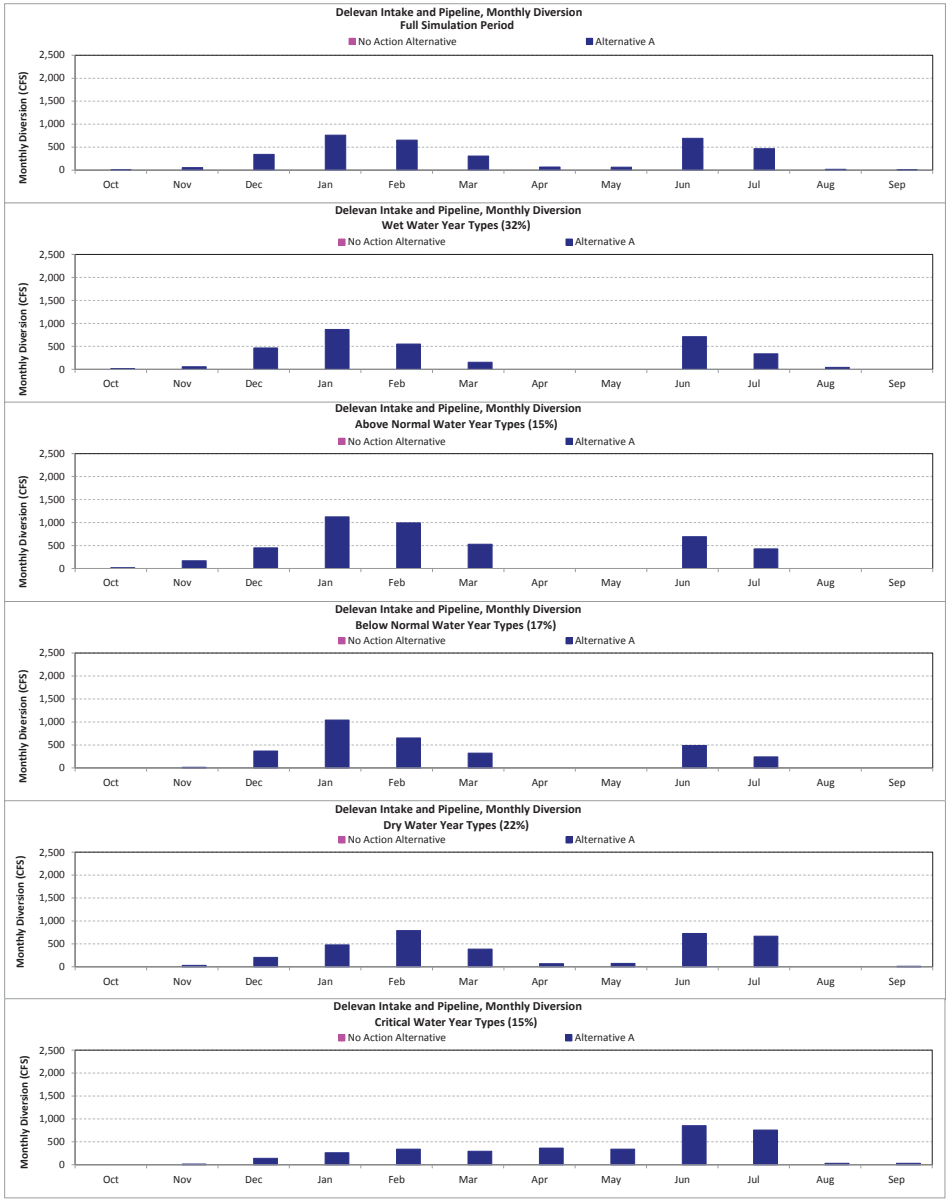

Figure OP-03-3b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

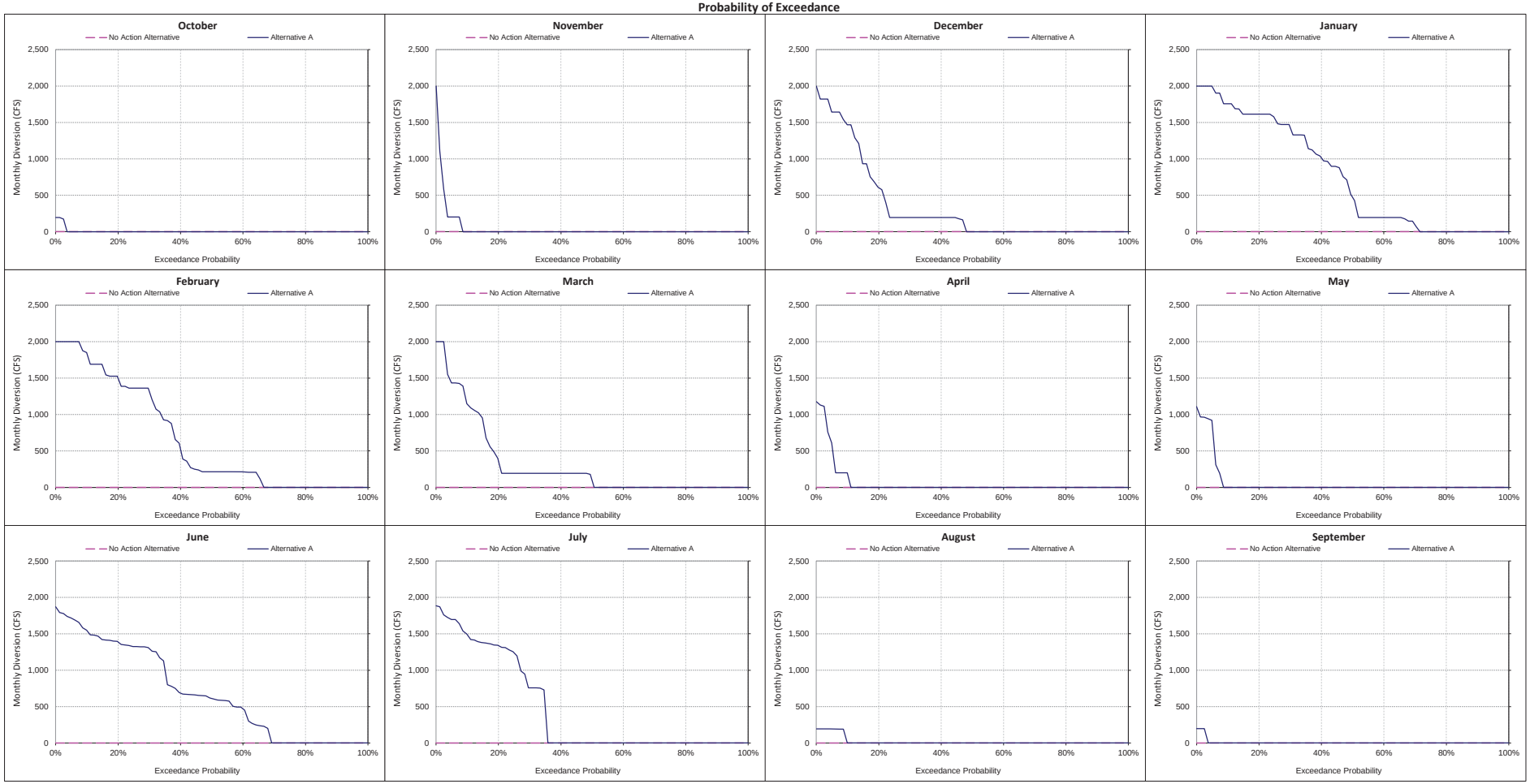

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194		0.0%	0	2,000	2,000		0.0%	0	2,000	2,000		0.0%	0	2,000	2,000	
1.2%	0	194	194		1.2%	0	1,106	1,106		1.2%	0	1,822	1,822		1.2%	0	2,000	2,000	
2.5%	0	174	174		2.5%	0	584	584		2.5%	0	1,822	1,822		2.5%	0	2,000	2,000	
3.7%	0	0	0		3.7%	0	200	200		3.7%	0	1,822	1,822		3.7%	0	2,000	2,000	
4.9%	0	0	0		4.9%	0	200	200		4.9%	0	1,644	1,644		4.9%	0	2,000	2,000	
6.2%	0	0	0		6.2%	0	200	200		6.2%	0	1,644	1,644		6.2%	0	1,902	1,902	
7.4%	0	0	0		7.4%	0	200	200		7.4%	0	1,644	1,644		7.4%	0	1,902	1,902	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	1,538	1,538		8.6%	0	1,758	1,758	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	1,467	1,467		9.9%	0	1,758	1,758	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	1,467	1,467		11.1%	0	1,758	1,758	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	1,289	1,289		12.3%	0	1,691	1,691	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	1,212	1,212		13.6%	0	1,687	1,687	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	933	933		14.8%	0	1,615	1,615	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	933	933		16.0%	0	1,615	1,615	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	756	756		17.3%	0	1,615	1,615	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	688	688		18.5%	0	1,615	1,615	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	611	611		19.8%	0	1,615	1,615	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	578	578		21.0%	0	1,615	1,615	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	400	400		22.2%	0	1,615	1,615	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	194	194		23.5%	0	1,615	1,615	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	194	194		24.7%	0	1,580	1,580	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	194	194		25.9%	0	1,482	1,482	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	194	194		27.2%	0	1,471	1,471	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	194	194		28.4%	0	1,471	1,471	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	194	194		29.6%	0	1,471	1,471	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	194	194		30.9%	0	1,328	1,328	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	194	194		32.1%	0	1,328	1,328	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	194	194		33.3%	0	1,328	1,328	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	194	194		34.6%	0	1,327	1,327	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	194	194		35.8%	0	1,140	1,140	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	194	194		37.0%	0	1,122	1,122	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	194	194		38.3%	0	1,066	1,066	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	194	194		39.5%	0	1,041	1,041	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	194	194		40.7%	0	972	972	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	194	194		42.0%	0	965	965	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	194	194		43.2%	0	898	898	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	194	194		44.4%	0	898	898	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	178	178		45.7%	0	879	879	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	161	161		46.9%	0	754	754	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	713	713	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	514	514	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	427	427	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	194	194	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	194	194	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	194	194	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	194	194	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	194	194	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	194	194	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	194	194	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	194	194	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	194	194	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	194	194	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	194	194	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	194	194	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	177	177	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	143	143	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	143	143	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	71	71	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000		0.0%	0	2,000	2,000		0.0%	0	1,176	1,176		0.0%	0	1,108	1,108	
1.2%	0	2,000	2,000		1.2%	0	2,000	2,000		1.2%	0	1,131	1,131		1.2%	0	967	967	
2.5%	0	2,000	2,000		2.5%	0	2,000	2,000		2.5%	0	1,113	1,113		2.5%	0	963	963	
3.7%	0	2,000	2,000		3.7%	0	1,551	1,551		3.7%	0	760	760		3.7%	0	942	942	
4.9%	0	2,000	2,000		4.9%	0	1,434	1,434		4.9%	0	609	609		4.9%	0	920	920	
6.2%	0	2,000	2,000		6.2%	0	1,434	1,434		6.2%	0	200	200		6.2%	0	310	310	
7.4%	0	2,000	2,000		7.4%	0	1,426	1,426		7.4%	0	200	200		7.4%	0	194	194	
8.6%	0	1,876	1,876		8.6%	0	1,391	1,391		8.6%	0	200	200		8.6%	0	0	0	
9.9%	0	1,852	1,852		9.9%	0	1,150	1,150		9.9%	0	200	200		9.9%	0	0	0	
11.1%	0	1,689	1,689		11.1%	0	1,092	1,092		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,689	1,689		12.3%	0	1,056	1,056		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,689	1,689		13.6%	0	1,025	1,025		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,689	1,689		14.8%	0	953	953		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,544	1,544		16.0%	0	679	679		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,527	1,527		17.3%	0	561	561		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,527	1,527		18.5%	0	490	490		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,527	1,527		19.8%	0	398	398		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,388	1,388		21.0%	0	194	194		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,388	1,388		22.2%	0	194	194		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,364	1,364		23.5%	0	194	194		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,364	1,364		24.7%	0	194	194		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,364	1,364		25.9%	0	194	194		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,364	1,364		27.2%	0	194	194		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,364	1,364		28.4%	0	194	194		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,364	1,364		29.6%	0	194	194		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,202	1,202		30.9%	0	194	194		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,075	1,075		32.1%	0	194	194		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,039	1,039		33.3%	0	194	194		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	926	926		34.6%	0	194	194		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	917	917		35.8%	0	194	194		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	877	877		37.0%	0	194	194		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	655	655		38.3%	0	194	194		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	606	606		39.5%	0	194	194		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	389	389		40.7%	0	194	194		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	360	360		42.0%	0	194	194		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	271	271		43.2%	0	194	194		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	249	249		44.4%	0	194	194		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	238	238		45.7%	0	194	194		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	214	214		46.9%	0	194	194		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	214	214		48.1%	0	194	194		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	214	214		49.4%	0	178	178		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	214	214		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	214	214		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	214	214		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	214	214		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	214	214		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	214	214		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	214	214		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	214	214		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	211	211		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	207	207		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	207	207		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	207	207		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	117	117		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,870	1,870		0.0%	0	1,884	1,884		0.0%	0	194	194		0.0%	0	197	197	
1.2%	0	1,793	1,793		1.2%	0	1,872	1,872		1.2%	0	194	194		1.2%	0	197	197	
2.5%	0	1,778	1,778		2.5%	0	1,759	1,759		2.5%	0	194	194		2.5%	0	197	197	
3.7%	0	1,739	1,739		3.7%	0	1,725	1,725		3.7%	0	194	194		3.7%	0	0	0	
4.9%	0	1,716	1,716		4.9%	0	1,696	1,696		4.9%	0	194	194		4.9%	0	0	0	
6.2%	0	1,688	1,688		6.2%	0	1,694	1,694		6.2%	0	190	190		6.2%	0	0	0	
7.4%	0	1,656	1,656		7.4%	0	1,638	1,638		7.4%	0	190	190		7.4%	0	0	0	
8.6%	0	1,583	1,583		8.6%	0	1,537	1,537		8.6%	0	190	190		8.6%	0	0	0	
9.9%	0	1,549	1,549		9.9%	0	1,496	1,496		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	1,484	1,484		11.1%	0	1,423	1,423		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,481	1,481		12.3%	0	1,415	1,415		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,466	1,466		13.6%	0	1,391	1,391		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,423	1,423		14.8%	0	1,379	1,379		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,413	1,413		16.0%	0	1,375	1,375		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,411	1,411		17.3%	0	1,362	1,362		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,399	1,399		18.5%	0	1,347	1,347		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,397	1,397		19.8%	0	1,342	1,342		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,354	1,354		21.0%	0	1,315	1,315		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,345	1,345		22.2%	0	1,310	1,310		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,337	1,337		23.5%	0	1,277	1,277		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,326	1,326		24.7%	0	1,254	1,254		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,326	1,326		25.9%	0	1,197	1,197		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,322	1,322		27.2%	0	991	991		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,320	1,320		28.4%	0	946	946		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,309	1,309		29.6%	0	756	756		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,261	1,261		30.9%	0	756	756		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,254	1,254		32.1%	0	756	756		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,172	1,172		33.3%	0	754	754		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,128	1,128		34.6%	0	729	729		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	799	799		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	779	779		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	751	751		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	692	692		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	671	671		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	669	669		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	666	666		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	661	661		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	656	656		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	651	651		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	648	648		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	620	620		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	603	603		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	590	590		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	586	586		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	582	582		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	576	576		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	505	505		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	492	492		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	492	492		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	452	452		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	300	300		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	269	269		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	246	246		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	237	237		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	230	230		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	200	200		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-3a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	60	200	1,407	2,163	2,086	1,557	336	99	46	5	72	31
Difference	60	200	1,407	2,163	2,086	1,557	336	99	46	5	72	31
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	67	215	1,861	2,393	1,705	633	149	61	7	16	204	67
Difference	67	215	1,861	2,393	1,705	633	149	61	7	16	204	67
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	262	447	1,960	3,244	2,843	2,160	553	289	161	0	0	0
Difference	262	447	1,960	3,244	2,843	2,160	553	289	161	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	83	1,371	2,750	2,375	2,163	706	218	118	0	0	0
Difference	0	83	1,371	2,750	2,375	2,163	706	218	118	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	211	820	1,518	2,430	2,244	400	0	0	0	11	22
Difference	0	211	820	1,518	2,430	2,244	400	0	0	0	11	22
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	38	793	863	1,300	1,218	0	0	0	0	32	33
Difference	0	38	793	863	1,300	1,218	0	0	0	0	32	33
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

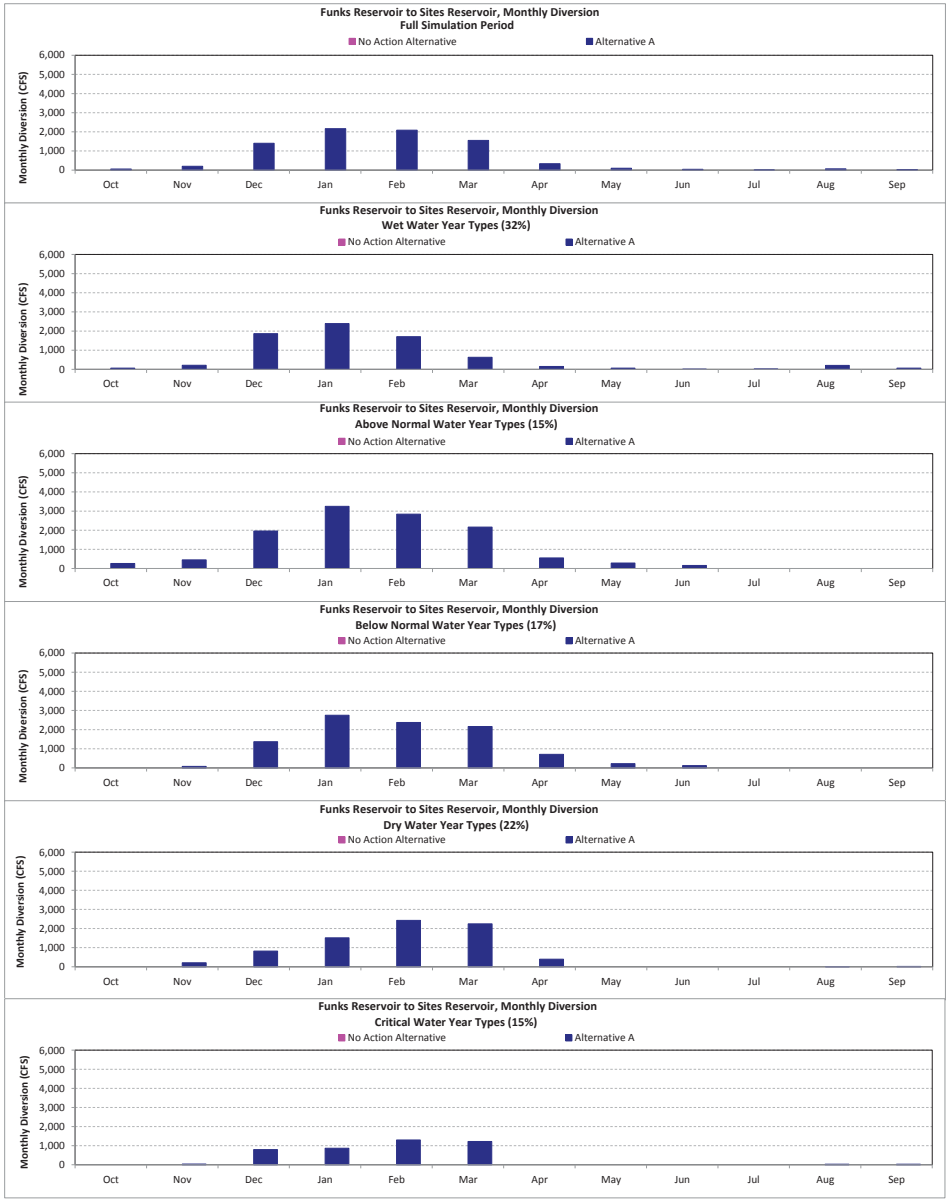

Figure OP-04-3b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

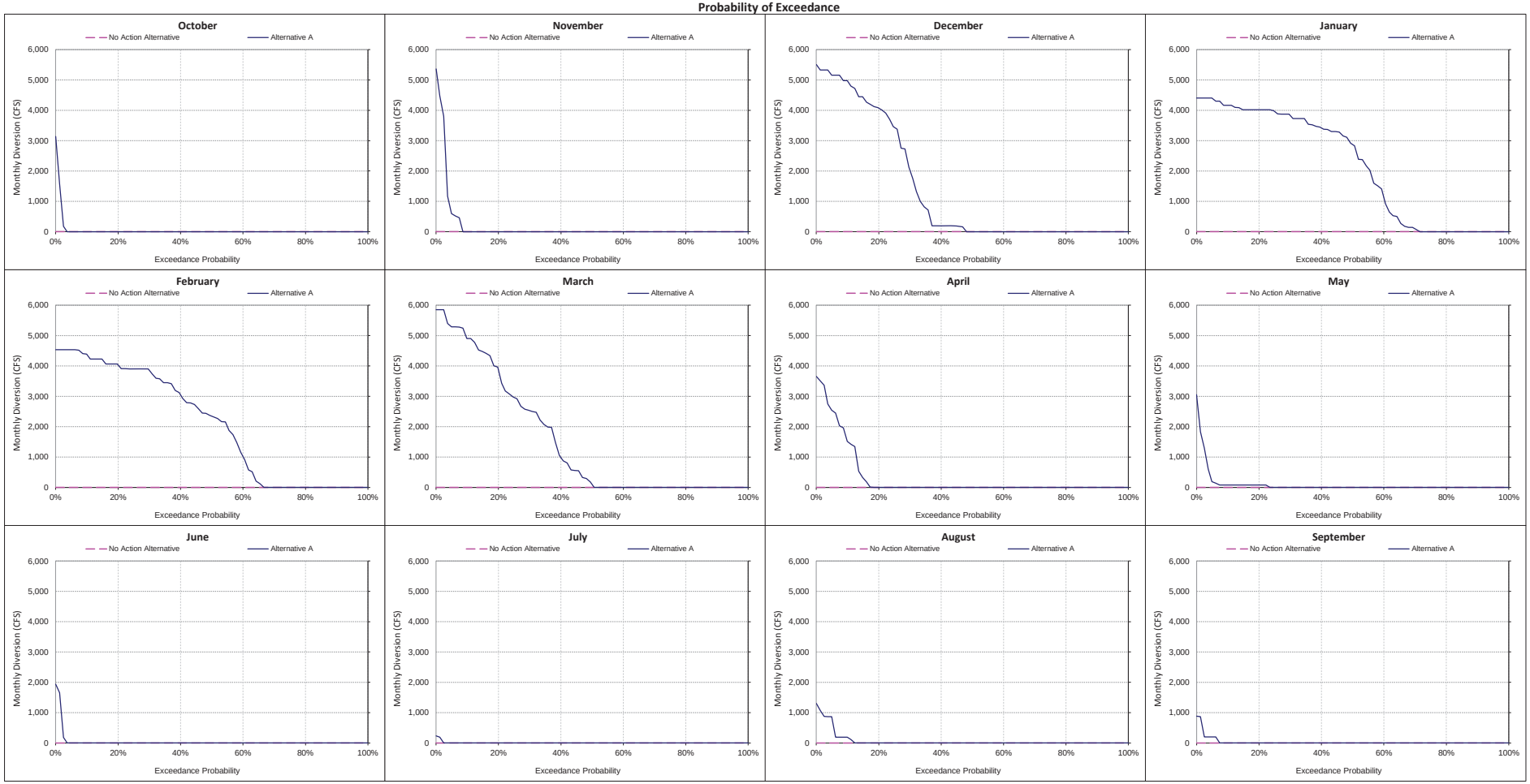

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,139	3,139		0.0%	0	5,366	5,366		0.0%	0	5,511	5,511		0.0%	0	4,403	4,403	
1.2%	0	1,569	1,569		1.2%	0	4,472	4,472		1.2%	0	5,333	5,333		1.2%	0	4,403	4,403	
2.5%	0	174	174		2.5%	0	3,804	3,804		2.5%	0	5,333	5,333		2.5%	0	4,403	4,403	
3.7%	0	0	0		3.7%	0	1,168	1,168		3.7%	0	5,333	5,333		3.7%	0	4,403	4,403	
4.9%	0	0	0		4.9%	0	592	592		4.9%	0	5,155	5,155		4.9%	0	4,403	4,403	
6.2%	0	0	0		6.2%	0	520	520		6.2%	0	5,155	5,155		6.2%	0	4,305	4,305	
7.4%	0	0	0		7.4%	0	461	461		7.4%	0	5,155	5,155		7.4%	0	4,305	4,305	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	4,978	4,978		8.6%	0	4,161	4,161	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	4,978	4,978		9.9%	0	4,161	4,161	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	4,800	4,800		11.1%	0	4,161	4,161	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	4,723	4,723		12.3%	0	4,094	4,094	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	4,444	4,444		13.6%	0	4,090	4,090	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	4,444	4,444		14.8%	0	4,018	4,018	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	4,267	4,267		16.0%	0	4,018	4,018	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	4,199	4,199		17.3%	0	4,018	4,018	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	4,122	4,122		18.5%	0	4,018	4,018	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	4,089	4,089		19.8%	0	4,018	4,018	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	4,010	4,010		21.0%	0	4,018	4,018	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	3,911	3,911		22.2%	0	4,018	4,018	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	3,705	3,705		23.5%	0	4,018	4,018	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	3,460	3,460		24.7%	0	3,983	3,983	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	3,379	3,379		25.9%	0	3,885	3,885	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	2,749	2,749		27.2%	0	3,874	3,874	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	2,724	2,724		28.4%	0	3,874	3,874	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	2,126	2,126		29.6%	0	3,874	3,874	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	1,751	1,751		30.9%	0	3,731	3,731	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	1,320	1,320		32.1%	0	3,731	3,731	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	995	995		33.3%	0	3,731	3,731	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	820	820		34.6%	0	3,730	3,730	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	719	719		35.8%	0	3,543	3,543	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	194	194		37.0%	0	3,525	3,525	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	194	194		38.3%	0	3,469	3,469	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	194	194		39.5%	0	3,444	3,444	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	194	194		40.7%	0	3,375	3,375	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	194	194		42.0%	0	3,368	3,368	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	194	194		43.2%	0	3,300	3,300	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	194	194		44.4%	0	3,300	3,300	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	178	178		45.7%	0	3,282	3,282	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	161	161		46.9%	0	3,157	3,157	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	3,116	3,116	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	2,917	2,917	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	2,830	2,830	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	2,388	2,388	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	2,375	2,375	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	2,170	2,170	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	2,025	2,025	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	1,594	1,594	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	1,508	1,508	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	1,404	1,404	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	920	920	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	646	646	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	526	526	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	503	503	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	271	271	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	177	177	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	143	143	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	143	143	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	71	71	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,536	4,536	
7.4%	0	4,521	4,521	
8.6%	0	4,412	4,412	
9.9%	0	4,388	4,388	
11.1%	0	4,225	4,225	
12.3%	0	4,225	4,225	
13.6%	0	4,225	4,225	
14.8%	0	4,225	4,225	
16.0%	0	4,065	4,065	
17.3%	0	4,063	4,063	
18.5%	0	4,063	4,063	
19.8%	0	4,063	4,063	
21.0%	0	3,909	3,909	
22.2%	0	3,909	3,909	
23.5%	0	3,900	3,900	
24.7%	0	3,900	3,900	
25.9%	0	3,900	3,900	
27.2%	0	3,900	3,900	
28.4%	0	3,900	3,900	
29.6%	0	3,900	3,900	
30.9%	0	3,738	3,738	
32.1%	0	3,596	3,596	
33.3%	0	3,575	3,575	
34.6%	0	3,453	3,453	
35.8%	0	3,447	3,447	
37.0%	0	3,413	3,413	
38.3%	0	3,191	3,191	
39.5%	0	3,127	3,127	
40.7%	0	2,925	2,925	
42.0%	0	2,792	2,792	
43.2%	0	2,785	2,785	
44.4%	0	2,732	2,732	
45.7%	0	2,595	2,595	
46.9%	0	2,451	2,451	
48.1%	0	2,438	2,438	
49.4%	0	2,374	2,374	
50.6%	0	2,321	2,321	
51.9%	0	2,273	2,273	
53.1%	0	2,168	2,168	
54.3%	0	2,161	2,161	
55.6%	0	1,872	1,872	
56.8%	0	1,738	1,738	
58.0%	0	1,475	1,475	
59.3%	0	1,160	1,160	
60.5%	0	920	920	
61.7%	0	574	574	
63.0%	0	514	514	
64.2%	0	207	207	
65.4%	0	117	117	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,403	5,403	
4.9%	0	5,286	5,286	
6.2%	0	5,286	5,286	
7.4%	0	5,278	5,278	
8.6%	0	5,243	5,243	
9.9%	0	4,908	4,908	
11.1%	0	4,908	4,908	
12.3%	0	4,776	4,776	
13.6%	0	4,531	4,531	
14.8%	0	4,478	4,478	
16.0%	0	4,413	4,413	
17.3%	0	4,342	4,342	
18.5%	0	4,002	4,002	
19.8%	0	3,964	3,964	
21.0%	0	3,437	3,437	
22.2%	0	3,179	3,179	
23.5%	0	3,083	3,083	
24.7%	0	2,976	2,976	
25.9%	0	2,917	2,917	
27.2%	0	2,673	2,673	
28.4%	0	2,573	2,573	
29.6%	0	2,545	2,545	
30.9%	0	2,496	2,496	
32.1%	0	2,475	2,475	
33.3%	0	2,219	2,219	
34.6%	0	2,071	2,071	
35.8%	0	1,987	1,987	
37.0%	0	1,980	1,980	
38.3%	0	1,481	1,481	
39.5%	0	1,049	1,049	
40.7%	0	873	873	
42.0%	0	807	807	
43.2%	0	577	577	
44.4%	0	560	560	
45.7%	0	545	545	
46.9%	0	326	326	
48.1%	0	289	289	
49.4%	0	178	178	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,652	3,652	
1.2%	0	3,512	3,512	
2.5%	0	3,362	3,362	
3.7%	0	2,751	2,751	
4.9%	0	2,544	2,544	
6.2%	0	2,450	2,450	
7.4%	0	2,032	2,032	
8.6%	0	1,964	1,964	
9.9%	0	1,516	1,516	
11.1%	0	1,418	1,418	
12.3%	0	1,342	1,342	
13.6%	0	534	534	
14.8%	0	323	323	
16.0%	0	184	184	
17.3%	0	9	9	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,059	3,059	
1.2%	0	1,829	1,829	
2.5%	0	1,295	1,295	
3.7%	0	600	600	
4.9%	0	190	190	
6.2%	0	134	134	
7.4%	0	78	78	
8.6%	0	78	78	
9.9%	0	78	78	
11.1%	0	78	78	
12.3%	0	78	78	
13.6%	0	78	78	
14.8%	0	78	78	
16.0%	0	78	78	
17.3%	0	78	78	
18.5%	0	78	78	
19.8%	0	78	78	
21.0%	0	78	78	
22.2%	0	78	78	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,935	1,935		0.0%	0	235	235		0.0%	0	1,305	1,305		0.0%	0	882	882	
1.2%	0	1,654	1,654		1.2%	0	190	190		1.2%	0	1,072	1,072		1.2%	0	867	867	
2.5%	0	182	182		2.5%	0	0	0		2.5%	0	873	873		2.5%	0	197	197	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	871	871		3.7%	0	197	197	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	869	869		4.9%	0	197	197	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	190	190		6.2%	0	197	197	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	190	190		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	190	190		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	190	190		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	117	117		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-3a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	116	55	15	0	0	0	162	235	1,170	1,319	240	141
Difference	116	55	15	0	0	0	162	235	1,170	1,319	240	141
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	275	139	36	0	0	0	42	76	996	1,319	256	328
Difference	275	139	36	0	0	0	42	76	996	1,319	256	328
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	43	40	24	0	0	0	0	126	1,481	1,703	259	154
Difference	43	40	24	0	0	0	0	126	1,481	1,703	259	154
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	112	17	0	0	0	0	0	260	1,086	1,600	425	79
Difference	112	17	0	0	0	0	0	260	1,086	1,600	425	79
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7	8	0	0	0	0	167	320	1,323	1,164	223	2
Difference	7	8	0	0	0	0	167	320	1,323	1,164	223	2
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	14	0	0	0	0	0	764	533	1,105	840	0	5
Difference	14	0	0	0	0	0	764	533	1,105	840	0	5
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

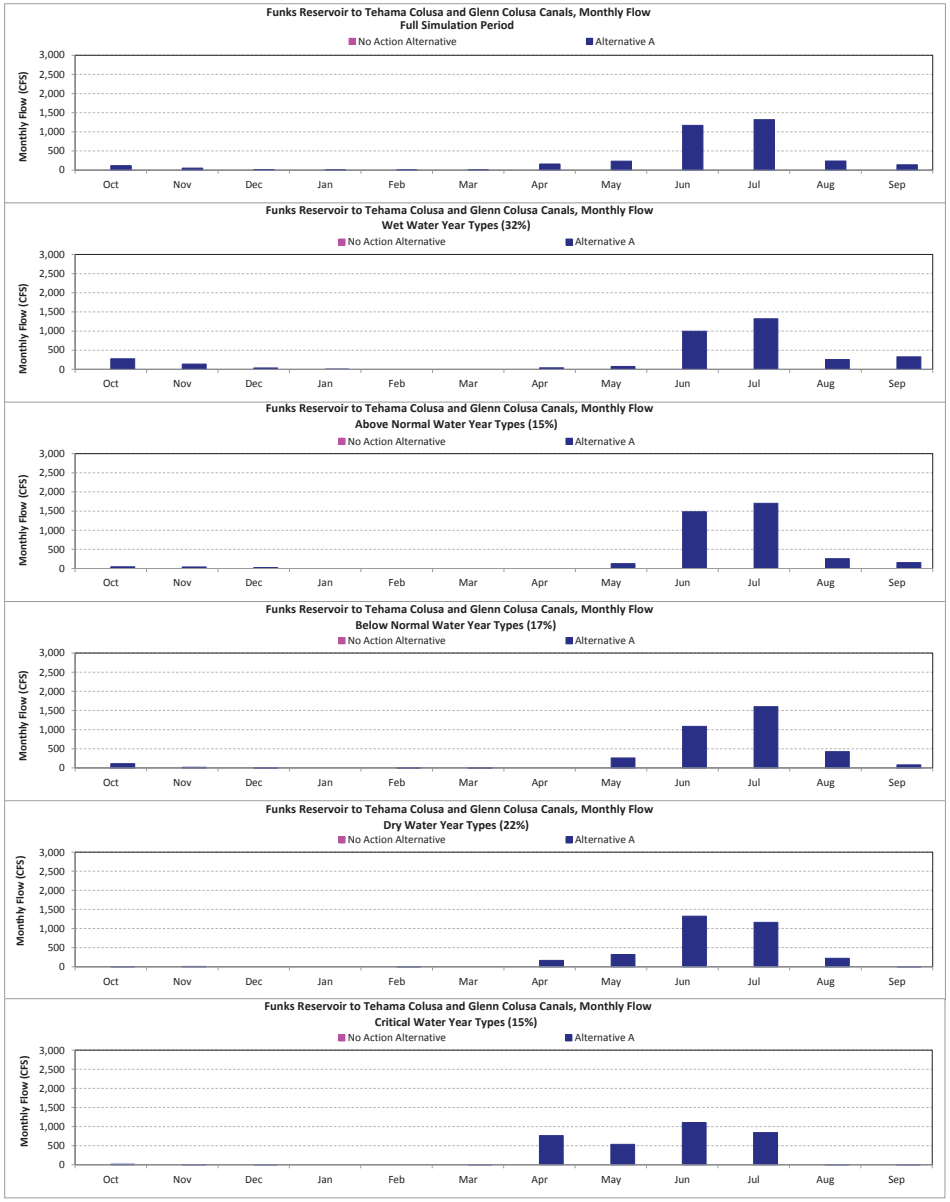

Figure OP-05-3b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

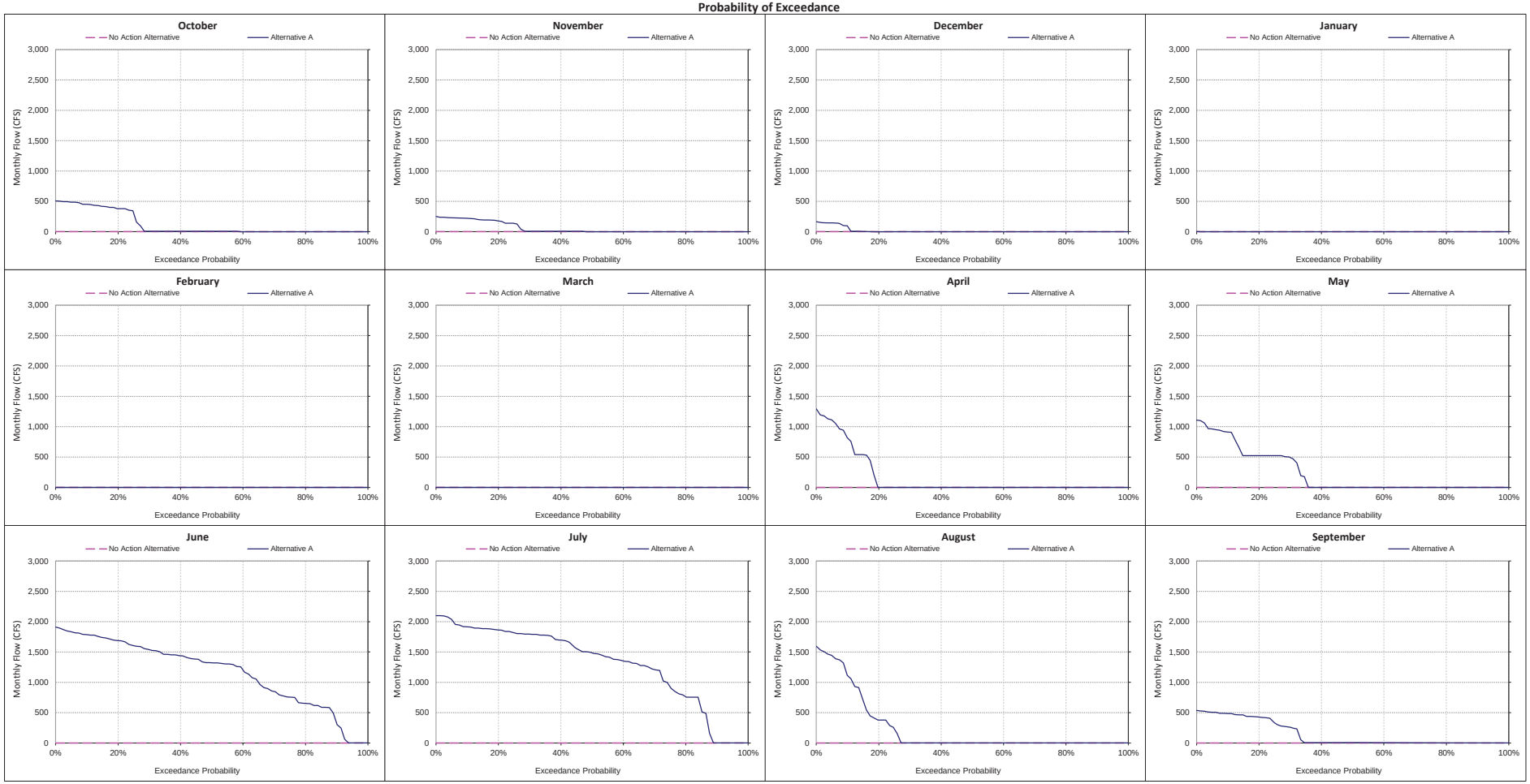

Table OP-05-3b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	509	509		0.0%	0	249	249		0.0%	0	163	163		0.0%	0	3	3	
1.2%	0	504	504		1.2%	0	237	237		1.2%	0	153	153		1.2%	0	0	0	
2.5%	0	495	495		2.5%	0	236	236		2.5%	0	149	149		2.5%	0	0	0	
3.7%	0	495	495		3.7%	0	230	230		3.7%	0	144	144		3.7%	0	0	0	
4.9%	0	486	486		4.9%	0	230	230		4.9%	0	144	144		4.9%	0	0	0	
6.2%	0	485	485		6.2%	0	227	227		6.2%	0	142	142		6.2%	0	0	0	
7.4%	0	478	478		7.4%	0	226	226		7.4%	0	136	136		7.4%	0	0	0	
8.6%	0	451	451		8.6%	0	221	221		8.6%	0	102	102		8.6%	0	0	0	
9.9%	0	450	450		9.9%	0	221	221		9.9%	0	96	96		9.9%	0	0	0	
11.1%	0	447	447		11.1%	0	217	217		11.1%	0	4	4		11.1%	0	0	0	
12.3%	0	435	435		12.3%	0	213	213		12.3%	0	4	4		12.3%	0	0	0	
13.6%	0	429	429		13.6%	0	201	201		13.6%	0	4	4		13.6%	0	0	0	
14.8%	0	415	415		14.8%	0	194	194		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	412	412		16.0%	0	191	191		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	399	399		17.3%	0	191	191		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	398	398		18.5%	0	190	190		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	377	377		19.8%	0	176	176		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	377	377		21.0%	0	169	169		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	377	377		22.2%	0	138	138		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	354	354		23.5%	0	138	138		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	346	346		24.7%	0	138	138		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	158	158		25.9%	0	127	127		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	96	96		27.2%	0	42	42		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	7	7		28.4%	0	5	5		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	7	7		29.6%	0	5	5		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	7	7		30.9%	0	5	5		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	7	7		32.1%	0	5	5		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	7	7		33.3%	0	5	5		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	7	7		34.6%	0	5	5		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	7	7		35.8%	0	5	5		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	7	7		37.0%	0	5	5		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	7	7		38.3%	0	5	5		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	7	7		39.5%	0	5	5		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	7	7		40.7%	0	5	5		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	7	7		42.0%	0	5	5		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	7	7		43.2%	0	5	5		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	7	7		44.4%	0	5	5		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	7	7		45.7%	0	5	5		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	7	7		46.9%	0	5	5		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	7	7		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	7	7		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	7	7		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	7	7		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	7	7		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	7	7		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	7	7		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	7	7		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	7	7		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2	2		0	1	1		0	1,294	1,294		0	1,108	1,108	
1.2%	0	2	2		0	1	1		0	1,194	1,194		0	1,100	1,100	
2.5%	0	2	2		0	1	1		0	1,176	1,176		0	1,063	1,063	
3.7%	0	2	2		0	0	0		0	1,131	1,131		0	967	967	
4.9%	0	0	0		0	0	0		0	1,113	1,113		0	963	963	
6.2%	0	0	0		0	0	0		0	1,054	1,054		0	952	952	
7.4%	0	0	0		0	0	0		0	965	965		0	942	942	
8.6%	0	0	0		0	0	0		0	942	942		0	920	920	
9.9%	0	0	0		0	0	0		0	820	820		0	912	912	
11.1%	0	0	0		0	0	0		0	760	760		0	906	906	
12.3%	0	0	0		0	0	0		0	540	540		0	785	785	
13.6%	0	0	0		0	0	0		0	540	540		0	659	659	
14.8%	0	0	0		0	0	0		0	537	537		0	523	523	
16.0%	0	0	0		0	0	0		0	530	530		0	523	523	
17.3%	0	0	0		0	0	0		0	447	447		0	523	523	
18.5%	0	0	0		0	0	0		0	200	200		0	523	523	
19.8%	0	0	0		0	0	0		0	0	0		0	523	523	
21.0%	0	0	0		0	0	0		0	0	0		0	523	523	
22.2%	0	0	0		0	0	0		0	0	0		0	523	523	
23.5%	0	0	0		0	0	0		0	0	0		0	523	523	
24.7%	0	0	0		0	0	0		0	0	0		0	523	523	
25.9%	0	0	0		0	0	0		0	0	0		0	523	523	
27.2%	0	0	0		0	0	0		0	0	0		0	523	523	
28.4%	0	0	0		0	0	0		0	0	0		0	507	507	
29.6%	0	0	0		0	0	0		0	0	0		0	500	500	
30.9%	0	0	0		0	0	0		0	0	0		0	473	473	
32.1%	0	0	0		0	0	0		0	0	0		0	405	405	
33.3%	0	0	0		0	0	0		0	0	0		0	194	194	
34.6%	0	0	0		0	0	0		0	0	0		0	177	177	
35.8%	0	0	0		0	0	0		0	0	0		0	1	1	
37.0%	0	0	0		0	0	0		0	0	0		0	1	1	
38.3%	0	0	0		0	0	0		0	0	0		0	1	1	
39.5%	0	0	0		0	0	0		0	0	0		0	1	1	
40.7%	0	0	0		0	0	0		0	0	0		0	1	1	
42.0%	0	0	0		0	0	0		0	0	0		0	1	1	
43.2%	0	0	0		0	0	0		0	0	0		0	1	1	
44.4%	0	0	0		0	0	0		0	0	0		0	1	1	
45.7%	0	0	0		0	0	0		0	0	0		0	1	1	
46.9%	0	0	0		0	0	0		0	0	0		0	1	1	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

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Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,910	1,910		0.0%	0	2,098	2,098		0.0%	0	1,593	1,593		0.0%	0	535	535	
1.2%	0	1,894	1,894		1.2%	0	2,098	2,098		1.2%	0	1,532	1,532		1.2%	0	529	529	
2.5%	0	1,868	1,868		2.5%	0	2,094	2,094		2.5%	0	1,503	1,503		2.5%	0	522	522	
3.7%	0	1,847	1,847		3.7%	0	2,077	2,077		3.7%	0	1,467	1,467		3.7%	0	510	510	
4.9%	0	1,833	1,833		4.9%	0	2,041	2,041		4.9%	0	1,443	1,443		4.9%	0	506	506	
6.2%	0	1,818	1,818		6.2%	0	1,955	1,955		6.2%	0	1,389	1,389		6.2%	0	506	506	
7.4%	0	1,813	1,813		7.4%	0	1,946	1,946		7.4%	0	1,370	1,370		7.4%	0	490	490	
8.6%	0	1,791	1,791		8.6%	0	1,919	1,919		8.6%	0	1,318	1,318		8.6%	0	489	489	
9.9%	0	1,785	1,785		9.9%	0	1,913	1,913		9.9%	0	1,116	1,116		9.9%	0	486	486	
11.1%	0	1,779	1,779		11.1%	0	1,912	1,912		11.1%	0	1,060	1,060		11.1%	0	484	484	
12.3%	0	1,777	1,777		12.3%	0	1,893	1,893		12.3%	0	931	931		12.3%	0	469	469	
13.6%	0	1,756	1,756		13.6%	0	1,892	1,892		13.6%	0	914	914		13.6%	0	465	465	
14.8%	0	1,742	1,742		14.8%	0	1,887	1,887		14.8%	0	724	724		14.8%	0	464	464	
16.0%	0	1,733	1,733		16.0%	0	1,884	1,884		16.0%	0	542	542		16.0%	0	440	440	
17.3%	0	1,712	1,712		17.3%	0	1,881	1,881		17.3%	0	447	447		17.3%	0	439	439	
18.5%	0	1,696	1,696		18.5%	0	1,872	1,872		18.5%	0	413	413		18.5%	0	435	435	
19.8%	0	1,689	1,689		19.8%	0	1,863	1,863		19.8%	0	377	377		19.8%	0	431	431	
21.0%	0	1,682	1,682		21.0%	0	1,860	1,860		21.0%	0	377	377		21.0%	0	423	423	
22.2%	0	1,667	1,667		22.2%	0	1,837	1,837		22.2%	0	377	377		22.2%	0	415	415	
23.5%	0	1,623	1,623		23.5%	0	1,836	1,836		23.5%	0	290	290		23.5%	0	408	408	
24.7%	0	1,605	1,605		24.7%	0	1,823	1,823		24.7%	0	259	259		24.7%	0	345	345	
25.9%	0	1,594	1,594		25.9%	0	1,804	1,804		25.9%	0	157	157		25.9%	0	303	303	
27.2%	0	1,589	1,589		27.2%	0	1,803	1,803		27.2%	0	3	3		27.2%	0	278	278	
28.4%	0	1,557	1,557		28.4%	0	1,796	1,796		28.4%	0	3	3		28.4%	0	269	269	
29.6%	0	1,541	1,541		29.6%	0	1,795	1,795		29.6%	0	3	3		29.6%	0	261	261	
30.9%	0	1,524	1,524		30.9%	0	1,792	1,792		30.9%	0	3	3		30.9%	0	247	247	
32.1%	0	1,521	1,521		32.1%	0	1,791	1,791		32.1%	0	3	3		32.1%	0	231	231	
33.3%	0	1,506	1,506		33.3%	0	1,777	1,777		33.3%	0	3	3		33.3%	0	53	53	
34.6%	0	1,463	1,463		34.6%	0	1,777	1,777		34.6%	0	3	3		34.6%	0	5	5	
35.8%	0	1,461	1,461		35.8%	0	1,773	1,773		35.8%	0	3	3		35.8%	0	5	5	
37.0%	0	1,453	1,453		37.0%	0	1,759	1,759		37.0%	0	3	3		37.0%	0	5	5	
38.3%	0	1,451	1,451		38.3%	0	1,707	1,707		38.3%	0	3	3		38.3%	0	5	5	
39.5%	0	1,439	1,439		39.5%	0	1,696	1,696		39.5%	0	3	3		39.5%	0	5	5	
40.7%	0	1,437	1,437		40.7%	0	1,694	1,694		40.7%	0	3	3		40.7%	0	5	5	
42.0%	0	1,410	1,410		42.0%	0	1,676	1,676		42.0%	0	3	3		42.0%	0	5	5	
43.2%	0	1,394	1,394		43.2%	0	1,638	1,638		43.2%	0	3	3		43.2%	0	5	5	
44.4%	0	1,385	1,385		44.4%	0	1,578	1,578		44.4%	0	3	3		44.4%	0	5	5	
45.7%	0	1,379	1,379		45.7%	0	1,537	1,537		45.7%	0	3	3		45.7%	0	5	5	
46.9%	0	1,337	1,337		46.9%	0	1,506	1,506		46.9%	0	3	3		46.9%	0	5	5	
48.1%	0	1,326	1,326		48.1%	0	1,505	1,505		48.1%	0	3	3		48.1%	0	5	5	
49.4%	0	1,326	1,326		49.4%	0	1,496	1,496		49.4%	0	3	3		49.4%	0	5	5	
50.6%	0	1,322	1,322		50.6%	0	1,472	1,472		50.6%	0	3	3		50.6%	0	5	5	
51.9%	0	1,320	1,320		51.9%	0	1,468	1,468		51.9%	0	3	3		51.9%	0	5	5	
53.1%	0	1,309	1,309		53.1%	0	1,447	1,447		53.1%	0	3	3		53.1%	0	5	5	
54.3%	0	1,305	1,305		54.3%	0	1,423	1,423		54.3%	0	3	3		54.3%	0	5	5	
55.6%	0	1,301	1,301		55.6%	0	1,415	1,415		55.6%	0	3	3		55.6%	0	5	5	
56.8%	0	1,294	1,294		56.8%	0	1,379	1,379		56.8%	0	3	3		56.8%	0	5	5	
58.0%	0	1,261	1,261		58.0%	0	1,374	1,374		58.0%	0	3	3		58.0%	0	5	5	
59.3%	0	1,254	1,254		59.3%	0	1,365	1,365		59.3%	0	3	3		59.3%	0	5	5	
60.5%	0	1,168	1,168		60.5%	0	1,347	1,347		60.5%	0	3	3		60.5%	0	5	5	
61.7%	0	1,138	1,138		61.7%	0	1,342	1,342		61.7%	0	3	3		61.7%	0	5	5	
63.0%	0	1,075	1,075		63.0%	0	1,315	1,315		63.0%	0	3	3		63.0%	0	5	5	
64.2%	0	1,055	1,055		64.2%	0	1,310	1,310		64.2%	0	3	3		64.2%	0	5	5	
65.4%	0	965	965		65.4%	0	1,279	1,279		65.4%	0	3	3		65.4%	0	5	5	
66.7%	0	915	915		66.7%	0	1,277	1,277		66.7%	0	3	3		66.7%	0	5	5	
67.9%	0	896	896		67.9%	0	1,256	1,256		67.9%	0	3	3		67.9%	0	5	5	
69.1%	0	858	858		69.1%	0	1,220	1,220		69.1%	0	3	3		69.1%	0	5	5	
70.4%	0	844	844		70.4%	0	1,206	1,206		70.4%	0	3	3		70.4%	0	5	5	
71.6%	0	793	793		71.6%	0	1,197	1,197		71.6%	0	0	0		71.6%	0	5	5	
72.8%	0	779	779		72.8%	0	1,022	1,022		72.8%	0	0	0		72.8%	0	5	5	
74.1%	0	760	760		74.1%	0	1,000	1,000		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	755	755		75.3%	0	902	902		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	751	751		76.5%	0	851	851		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	666	666		77.8%	0	811	811		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	656	656		79.0%	0	796	796		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	651	651		80.2%	0	756	756		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	648	648		81.5%	0	756	756		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	620	620		82.7%	0	756	756		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	617	617		84.0%	0	756	756		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	590	590		85.2%	0	511	511		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	586	586		86.4%	0	489	489		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	582	582		87.7%	0	162	162		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	492	492		88.9%	0	2	2		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	300	300		90.1%	0	2	2		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	246	246		91.4%	0	2	2		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	61	61		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	1	1		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-3a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	806	793	100	8	37	84	318	301	315	795	835	1,025
Difference	806	793	100	8	37	84	318	301	315	795	835	1,025
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	934	1,214	57	2	0	0	0	0	38	641	457	1,192
Difference	934	1,214	57	2	0	0	0	0	38	641	457	1,192
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	847	1,116	106	0	0	0	0	0	114	987	806	1,178
Difference	847	1,116	106	0	0	0	0	0	114	987	806	1,178
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	634	491	190	0	122	34	0	0	560	1,155	953	708
Difference	634	491	190	0	122	34	0	0	560	1,155	953	708
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	867	547	70	0	32	83	961	969	572	789	1,287	1,090
Difference	867	547	70	0	32	83	961	969	572	789	1,287	1,090
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	597	277	125	50	63	409	729	602	447	525	865	781
Difference	597	277	125	50	63	409	729	602	447	525	865	781
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

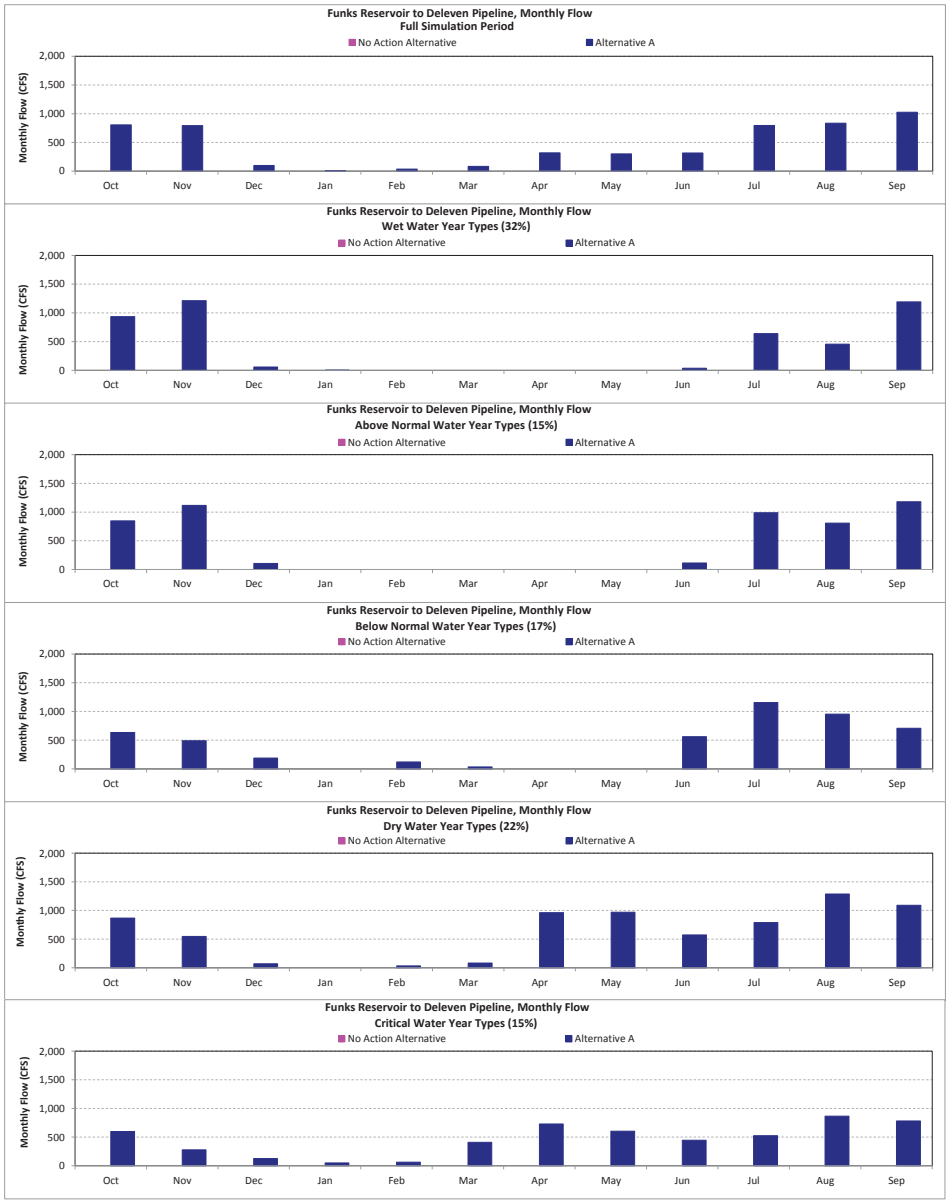

Figure OP-06-3b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

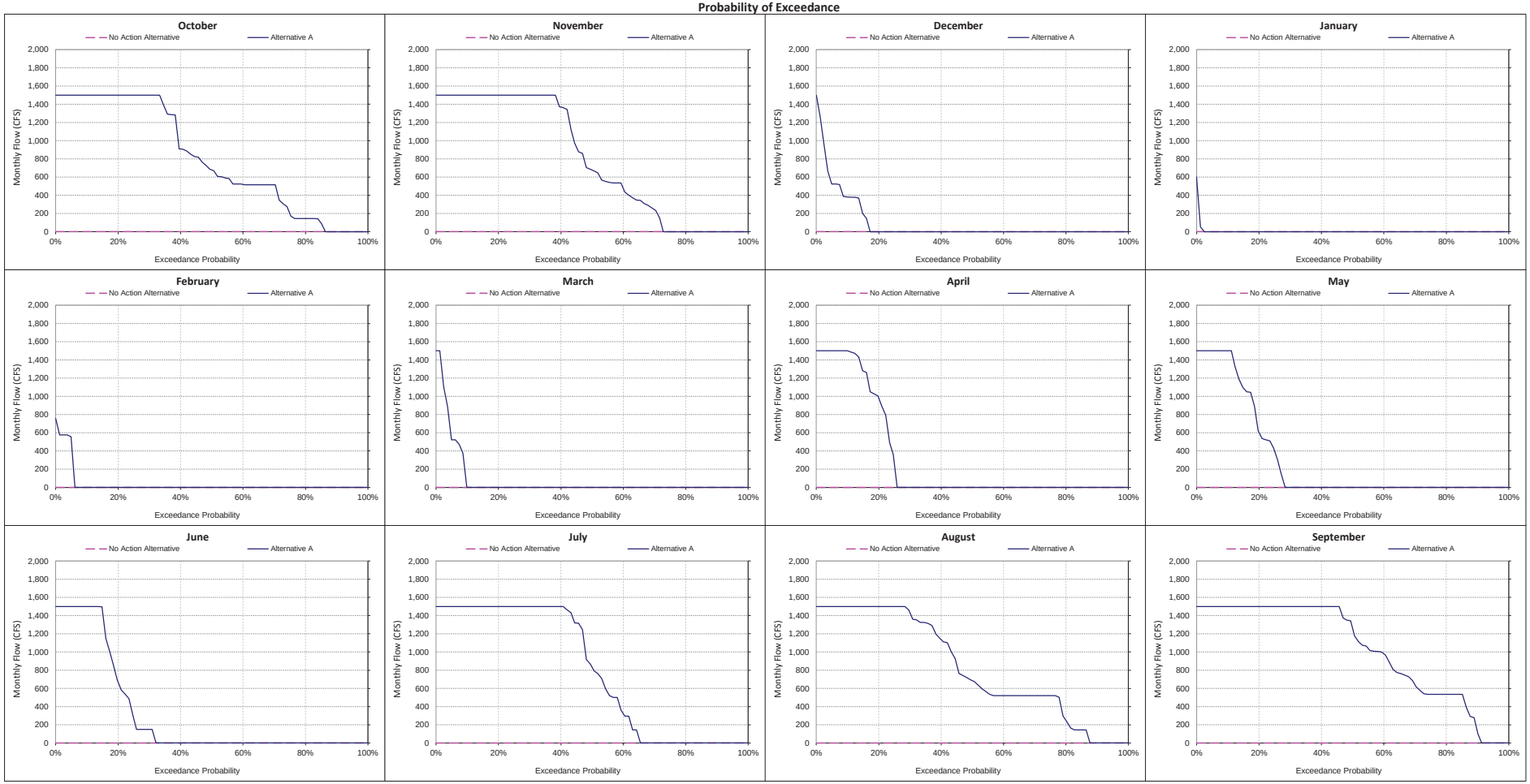

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	602	602	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,257	1,257		1.2%	0	54	54	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	945	945		2.5%	0	0	0	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	667	667		3.7%	0	0	0	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	523	523		4.9%	0	0	0	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	523	523		6.2%	0	0	0	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	518	518		7.4%	0	0	0	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	386	386		8.6%	0	0	0	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	381	381		9.9%	0	0	0	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	378	378		11.1%	0	0	0	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	378	378		12.3%	0	0	0	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	370	370		13.6%	0	0	0	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	203	203		14.8%	0	0	0	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	145	145		16.0%	0	0	0	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,500	1,500		33.3%	0	1,500	1,500		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,391	1,391		34.6%	0	1,500	1,500		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,292	1,292		35.8%	0	1,500	1,500		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,285	1,285		37.0%	0	1,500	1,500		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	1,282	1,282		38.3%	0	1,500	1,500		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	910	910		39.5%	0	1,373	1,373		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	906	906		40.7%	0	1,362	1,362		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	888	888		42.0%	0	1,343	1,343		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	853	853		43.2%	0	1,120	1,120		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	825	825		44.4%	0	971	971		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	818	818		45.7%	0	877	877		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	764	764		46.9%	0	860	860		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	730	730		48.1%	0	703	703		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	686	686		49.4%	0	686	686		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	668	668		50.6%	0	667	667		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	607	607		51.9%	0	648	648		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	602	602		53.1%	0	565	565		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	590	590		54.3%	0	552	552		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	584	584		55.6%	0	540	540		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	523	523		56.8%	0	535	535		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	523	523		58.0%	0	535	535		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	523	523		59.3%	0	535	535		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	516	516		60.5%	0	434	434		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	516	516		61.7%	0	402	402		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	516	516		63.0%	0	371	371		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	516	516		64.2%	0	348	348		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	516	516		65.4%	0	344	344		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	516	516		66.7%	0	310	310		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	516	516		67.9%	0	290	290		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	516	516		69.1%	0	261	261		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	516	516		70.4%	0	232	232		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	346	346		71.6%	0	150	150		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	307	307		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	276	276		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	169	169		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	145	145		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	145	145		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	145	145		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	145	145		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	145	145		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	145	145		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	142	142		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	88	88		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)		
0.0%	0	755	755		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
1.2%	0	576	576		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
2.5%	0	576	576		0	1,104	1,104		0	1,500	1,500		0	1,500	1,500	
3.7%	0	576	576		0	885	885		0	1,500	1,500		0	1,500	1,500	
4.9%	0	556	556		0	523	523		0	1,500	1,500		0	1,500	1,500	
6.2%	0	0	0		0	523	523		0	1,500	1,500		0	1,500	1,500	
7.4%	0	0	0		0	472	472		0	1,500	1,500		0	1,500	1,500	
8.6%	0	0	0		0	374	374		0	1,500	1,500		0	1,500	1,500	
9.9%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
11.1%	0	0	0		0	0	0		0	1,485	1,485		0	1,500	1,500	
12.3%	0	0	0		0	0	0		0	1,471	1,471		0	1,326	1,326	
13.6%	0	0	0		0	0	0		0	1,432	1,432		0	1,189	1,189	
14.8%	0	0	0		0	0	0		0	1,280	1,280		0	1,098	1,098	
16.0%	0	0	0		0	0	0		0	1,261	1,261		0	1,050	1,050	
17.3%	0	0	0		0	0	0		0	1,051	1,051		0	1,043	1,043	
18.5%	0	0	0		0	0	0		0	1,028	1,028		0	890	890	
19.8%	0	0	0		0	0	0		0	1,003	1,003		0	623	623	
21.0%	0	0	0		0	0	0		0	891	891		0	538	538	
22.2%	0	0	0		0	0	0		0	793	793		0	523	523	
23.5%	0	0	0		0	0	0		0	491	491		0	511	511	
24.7%	0	0	0		0	0	0		0	361	361		0	428	428	
25.9%	0	0	0		0	0	0		0	0	0		0	298	298	
27.2%	0	0	0		0	0	0		0	0	0		0	145	145	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500	
14.8%	0	1,497	1,497		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500	
16.0%	0	1,150	1,150		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500	
17.3%	0	1,003	1,003		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500	
18.5%	0	859	859		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500	
19.8%	0	692	692		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500	
21.0%	0	584	584		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500	
22.2%	0	539	539		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500	
23.5%	0	486	486		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500	
24.7%	0	305	305		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500	
25.9%	0	150	150		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500	
27.2%	0	150	150		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500	
28.4%	0	150	150		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500	
29.6%	0	150	150		29.6%	0	1,500	1,500		29.6%	0	1,459	1,459		29.6%	0	1,500	1,500	
30.9%	0	150	150		30.9%	0	1,500	1,500		30.9%	0	1,359	1,359		30.9%	0	1,500	1,500	
32.1%	0	0	0		32.1%	0	1,500	1,500		32.1%	0	1,353	1,353		32.1%	0	1,500	1,500	
33.3%	0	0	0		33.3%	0	1,500	1,500		33.3%	0	1,327	1,327		33.3%	0	1,500	1,500	
34.6%	0	0	0		34.6%	0	1,500	1,500		34.6%	0	1,326	1,326		34.6%	0	1,500	1,500	
35.8%	0	0	0		35.8%	0	1,500	1,500		35.8%	0	1,314	1,314		35.8%	0	1,500	1,500	
37.0%	0	0	0		37.0%	0	1,500	1,500		37.0%	0	1,291	1,291		37.0%	0	1,500	1,500	
38.3%	0	0	0		38.3%	0	1,500	1,500		38.3%	0	1,196	1,196		38.3%	0	1,500	1,500	
39.5%	0	0	0		39.5%	0	1,500	1,500		39.5%	0	1,155	1,155		39.5%	0	1,500	1,500	
40.7%	0	0	0		40.7%	0	1,500	1,500		40.7%	0	1,112	1,112		40.7%	0	1,500	1,500	
42.0%	0	0	0		42.0%	0	1,462	1,462		42.0%	0	1,103	1,103		42.0%	0	1,500	1,500	
43.2%	0	0	0		43.2%	0	1,432	1,432		43.2%	0	1,003	1,003		43.2%	0	1,500	1,500	
44.4%	0	0	0		44.4%	0	1,320	1,320		44.4%	0	927	927		44.4%	0	1,500	1,500	
45.7%	0	0	0		45.7%	0	1,315	1,315		45.7%	0	762	762		45.7%	0	1,500	1,500	
46.9%	0	0	0		46.9%	0	1,247	1,247		46.9%	0	744	744		46.9%	0	1,373	1,373	
48.1%	0	0	0		48.1%	0	916	916		48.1%	0	722	722		48.1%	0	1,351	1,351	
49.4%	0	0	0		49.4%	0	867	867		49.4%	0	695	695		49.4%	0	1,341	1,341	
50.6%	0	0	0		50.6%	0	793	793		50.6%	0	675	675		50.6%	0	1,177	1,177	
51.9%	0	0	0		51.9%	0	764	764		51.9%	0	635	635		51.9%	0	1,113	1,113	
53.1%	0	0	0		53.1%	0	708	708		53.1%	0	595	595		53.1%	0	1,075	1,075	
54.3%	0	0	0		54.3%	0	595	595		54.3%	0	566	566		54.3%	0	1,065	1,065	
55.6%	0	0	0		55.6%	0	520	520		55.6%	0	534	534		55.6%	0	1,016	1,016	
56.8%	0	0	0		56.8%	0	500	500		56.8%	0	519	519		56.8%	0	1,010	1,010	
58.0%	0	0	0		58.0%	0	500	500		58.0%	0	519	519		58.0%	0	1,006	1,006	
59.3%	0	0	0		59.3%	0	363	363		59.3%	0	519	519		59.3%	0	999	999	
60.5%	0	0	0		60.5%	0	296	296		60.5%	0	519	519		60.5%	0	965	965	
61.7%	0	0	0		61.7%	0	295	295		61.7%	0	519	519		61.7%	0	886	886	
63.0%	0	0	0		63.0%	0	145	145		63.0%	0	519	519		63.0%	0	810	810	
64.2%	0	0	0		64.2%	0	145	145		64.2%	0	519	519		64.2%	0	775	775	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	519	519		65.4%	0	763	763	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	519	519		66.7%	0	747	747	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	519	519		67.9%	0	728	728	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	519	519		69.1%	0	685	685	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	519	519		70.4%	0	618	618	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	519	519		71.6%	0	576	576	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	519	519		72.8%	0	540	540	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	519	519		74.1%	0	535	535	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	519	519		75.3%	0	535	535	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	519	519		76.5%	0	535	535	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	503	503		77.8%	0	535	535	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	298	298		79.0%	0	535	535	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	233	233		80.2%	0	535	535	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	163	163		81.5%	0	535	535	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	145	145		82.7%	0	535	535	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	145	145		84.0%	0	535	535	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	145	145		85.2%	0	535	535	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	145	145		86.4%	0	392	392	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	293	293	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	279	279	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	97	97	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-07-3a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	922	847	115	8	37	84	423	470	799	1,651	1,075	1,166
Difference	922	847	115	8	37	84	423	470	799	1,651	1,075	1,166
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	1,210	1,353	93	2	0	0	42	76	332	1,638	713	1,520
Difference	1,210	1,353	93	2	0	0	42	76	332	1,638	713	1,520
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	891	1,156	131	0	0	0	0	126	925	2,263	1,065	1,332
Difference	891	1,156	131	0	0	0	0	126	925	2,263	1,065	1,332
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	746	508	190	0	123	34	0	260	1,172	2,515	1,378	787
Difference	746	508	190	0	123	34	0	260	1,172	2,515	1,378	787
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	874	556	70	0	32	83	1,116	1,217	1,168	1,284	1,510	1,092
Difference	874	556	70	0	32	83	1,116	1,217	1,168	1,284	1,510	1,092
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	611	277	125	50	63	409	1,128	793	697	608	866	785
Difference	611	277	125	50	63	409	1,128	793	697	608	866	785
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

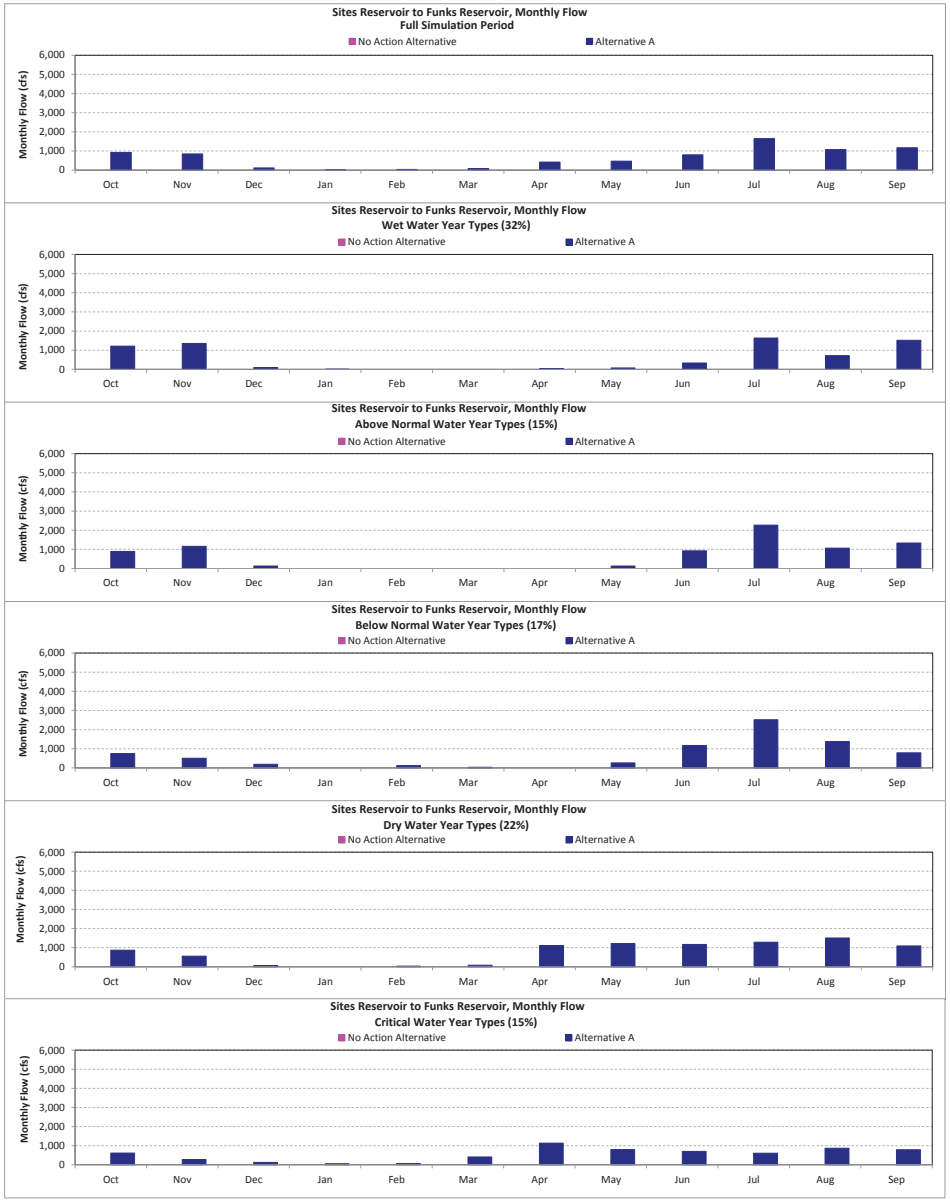

Figure OP-07-3b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

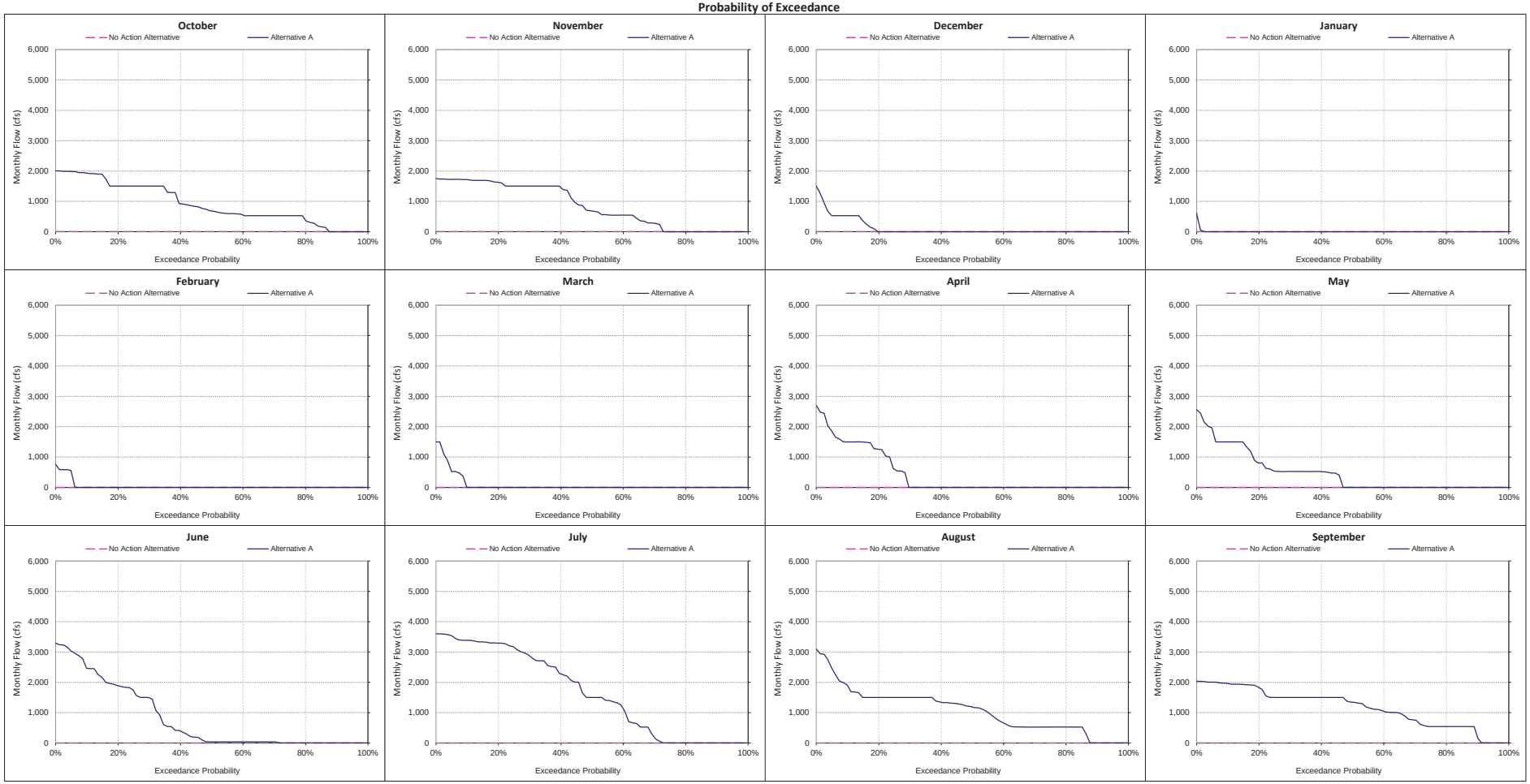

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October				November				December				January			
	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,009	2,009		0	1,749	1,749		0	1,504	1,504		0	602	602	
1.2%	0	1,995	1,995		0	1,737	1,737		0	1,257	1,257		0	56	56	
2.5%	0	1,995	1,995		0	1,736	1,736		0	946	946		0	0	0	
3.7%	0	1,986	1,986		0	1,727	1,727		0	671	671		0	0	0	
4.9%	0	1,985	1,985		0	1,726	1,726		0	523	523		0	0	0	
6.2%	0	1,978	1,978		0	1,721	1,721		0	523	523		0	0	0	
7.4%	0	1,951	1,951		0	1,721	1,721		0	523	523		0	0	0	
8.6%	0	1,950	1,950		0	1,717	1,717		0	523	523		0	0	0	
9.9%	0	1,929	1,929		0	1,713	1,713		0	523	523		0	0	0	
11.1%	0	1,915	1,915		0	1,701	1,701		0	523	523		0	0	0	
12.3%	0	1,912	1,912		0	1,694	1,694		0	523	523		0	0	0	
13.6%	0	1,899	1,899		0	1,691	1,691		0	523	523		0	0	0	
14.8%	0	1,898	1,898		0	1,691	1,691		0	366	366		0	0	0	
16.0%	0	1,737	1,737		0	1,690	1,690		0	247	247		0	0	0	
17.3%	0	1,507	1,507		0	1,676	1,676		0	149	149		0	0	0	
18.5%	0	1,507	1,507		0	1,638	1,638		0	96	96		0	0	0	
19.8%	0	1,507	1,507		0	1,627	1,627		0	0	0		0	0	0	
21.0%	0	1,507	1,507		0	1,603	1,603		0	0	0		0	0	0	
22.2%	0	1,507	1,507		0	1,505	1,505		0	0	0		0	0	0	
23.5%	0	1,500	1,500		0	1,505	1,505		0	0	0		0	0	0	
24.7%	0	1,500	1,500		0	1,505	1,505		0	0	0		0	0	0	
25.9%	0	1,500	1,500		0	1,505	1,505		0	0	0		0	0	0	
27.2%	0	1,500	1,500		0	1,505	1,505		0	0	0		0	0	0	
28.4%	0	1,500	1,500		0	1,505	1,505		0	0	0		0	0	0	
29.6%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
30.9%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
32.1%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
33.3%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
34.6%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
35.8%	0	1,299	1,299		0	1,500	1,500		0	0	0		0	0	0	
37.0%	0	1,289	1,289		0	1,500	1,500		0	0	0		0	0	0	
38.3%	0	1,285	1,285		0	1,500	1,500		0	0	0		0	0	0	
39.5%	0	917	917		0	1,500	1,500		0	0	0		0	0	0	
40.7%	0	913	913		0	1,385	1,385		0	0	0		0	0	0	
42.0%	0	888	888		0	1,362	1,362		0	0	0		0	0	0	
43.2%	0	860	860		0	1,120	1,120		0	0	0		0	0	0	
44.4%	0	832	832		0	976	976		0	0	0		0	0	0	
45.7%	0	818	818		0	877	877		0	0	0		0	0	0	
46.9%	0	764	764		0	860	860		0	0	0		0	0	0	
48.1%	0	737	737		0	703	703		0	0	0		0	0	0	
49.4%	0	693	693		0	686	686		0	0	0		0	0	0	
50.6%	0	668	668		0	671	671		0	0	0		0	0	0	
51.9%	0	649	649		0	648	648		0	0	0		0	0	0	
53.1%	0	609	609		0	565	565		0	0	0		0	0	0	
54.3%	0	607	607		0	557	557		0	0	0		0	0	0	
55.6%	0	597	597		0	540	540		0	0	0		0	0	0	
56.8%	0	592	592		0	540	540		0	0	0		0	0	0	
58.0%	0	590	590		0	540	540		0	0	0		0	0	0	
59.3%	0	580	580		0	540	540		0	0	0		0	0	0	
60.5%	0	523	523		0	540	540		0	0	0		0	0	0	
61.7%	0	523	523		0	540	540		0	0	0		0	0	0	
63.0%	0	523	523		0	540	540		0	0	0		0	0	0	
64.2%	0	523	523		0	439	439		0	0	0		0	0	0	
65.4%	0	523	523		0	352	352		0	0	0		0	0	0	
66.7%	0	523	523		0	348	348		0	0	0		0	0	0	
67.9%	0	523	523		0	290	290		0	0	0		0	0	0	
69.1%	0	523	523		0	288	288		0	0	0		0	0	0	
70.4%	0	523	523		0	266	266		0	0	0		0	0	0	
71.6%	0	523	523		0	232	232		0	0	0		0	0	0	
72.8%	0	523	523		0	0	0		0	0	0		0	0	0	
74.1%	0	523	523		0	0	0		0	0	0		0	0	0	
75.3%	0	523	523		0	0	0		0	0	0		0	0	0	
76.5%	0	523	523		0	0	0		0	0	0		0	0	0	
77.8%	0	523	523		0	0	0		0	0	0		0	0	0	
79.0%	0	523	523		0	0	0		0	0	0		0	0	0	
80.2%	0	346	346		0	0	0		0	0	0		0	0	0	
81.5%	0	307	307		0	0	0		0	0	0		0	0	0	
82.7%	0	276	276		0	0	0		0	0	0		0	0	0	
84.0%	0	184	184		0	0	0		0	0	0		0	0	0	
85.2%	0	158	158		0	0	0		0	0	0		0	0	0	
86.4%	0	142	142		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	755	755		0	1,501	1,501		0	2,694	2,694		0	2,563	2,563	
1.2%	0	579	579		0	1,500	1,500		0	2,486	2,486		0	2,452	2,452	
2.5%	0	579	579		0	1,104	1,104		0	2,442	2,442		0	2,143	2,143	
3.7%	0	579	579		0	885	885		0	2,030	2,030		0	2,011	2,011	
4.9%	0	559	559		0	523	523		0	1,856	1,856		0	1,957	1,957	
6.2%	0	0	0		0	523	523		0	1,655	1,655		0	1,501	1,501	
7.4%	0	0	0		0	472	472		0	1,588	1,588		0	1,501	1,501	
8.6%	0	0	0		0	375	375		0	1,500	1,500		0	1,501	1,501	
9.9%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
11.1%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
12.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
13.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
14.8%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
16.0%	0	0	0		0	0	0		0	1,485	1,485		0	1,326	1,326	
17.3%	0	0	0		0	0	0		0	1,471	1,471		0	1,189	1,189	
18.5%	0	0	0		0	0	0		0	1,280	1,280		0	890	890	
19.8%	0	0	0		0	0	0		0	1,261	1,261		0	806	806	
21.0%	0	0	0		0	0	0		0	1,240	1,240		0	804	804	
22.2%	0	0	0		0	0	0		0	1,028	1,028		0	624	624	
23.5%	0	0	0		0	0	0		0	1,004	1,004		0	605	605	
24.7%	0	0	0		0	0	0		0	620	620		0	538	538	
25.9%	0	0	0		0	0	0		0	540	540		0	523	523	
27.2%	0	0	0		0	0	0		0	540	540		0	523	523	
28.4%	0	0	0		0	0	0		0	492	492		0	523	523	
29.6%	0	0	0		0	0	0		0	0	0		0	523	523	
30.9%	0	0	0		0	0	0		0	0	0		0	523	523	
32.1%	0	0	0		0	0	0		0	0	0		0	523	523	
33.3%	0	0	0		0	0	0		0	0	0		0	523	523	
34.6%	0	0	0		0	0	0		0	0	0		0	523	523	
35.8%	0	0	0		0	0	0		0	0	0		0	523	523	
37.0%	0	0	0		0	0	0		0	0	0		0	523	523	
38.3%	0	0	0		0	0	0		0	0	0		0	523	523	
39.5%	0	0	0		0	0	0		0	0	0		0	523	523	
40.7%	0	0	0		0	0	0		0	0	0		0	512	512	
42.0%	0	0	0		0	0	0		0	0	0		0	500	500	
43.2%	0	0	0		0	0	0		0	0	0		0	475	475	
44.4%	0	0	0		0	0	0		0	0	0		0	473	473	
45.7%	0	0	0		0	0	0		0	0	0		0	405	405	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	June				July				August				September			
	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,291	3,291		0	3,598	3,598		0	3,093	3,093		0	2,035	2,035	
1.2%	0	3,242	3,242		0	3,598	3,598		0	2,943	2,943		0	2,029	2,029	
2.5%	0	3,233	3,233		0	3,594	3,594		0	2,926	2,926		0	2,022	2,022	
3.7%	0	3,167	3,167		0	3,577	3,577		0	2,748	2,748		0	2,010	2,010	
4.9%	0	3,037	3,037		0	3,541	3,541		0	2,473	2,473		0	2,006	2,006	
6.2%	0	2,961	2,961		0	3,446	3,446		0	2,246	2,246		0	2,006	2,006	
7.4%	0	2,879	2,879		0	3,393	3,393		0	2,042	2,042		0	1,984	1,984	
8.6%	0	2,780	2,780		0	3,392	3,392		0	1,993	1,993		0	1,969	1,969	
9.9%	0	2,465	2,465		0	3,387	3,387		0	1,913	1,913		0	1,965	1,965	
11.1%	0	2,452	2,452		0	3,386	3,386		0	1,693	1,693		0	1,940	1,940	
12.3%	0	2,451	2,451		0	3,360	3,360		0	1,678	1,678		0	1,939	1,939	
13.6%	0	2,255	2,255		0	3,337	3,337		0	1,657	1,657		0	1,935	1,935	
14.8%	0	2,163	2,163		0	3,336	3,336		0	1,503	1,503		0	1,931	1,931	
16.0%	0	1,997	1,997		0	3,323	3,323		0	1,503	1,503		0	1,923	1,923	
17.3%	0	1,963	1,963		0	3,304	3,304		0	1,503	1,503		0	1,915	1,915	
18.5%	0	1,935	1,935		0	3,303	3,303		0	1,503	1,503		0	1,908	1,908	
19.8%	0	1,896	1,896		0	3,295	3,295		0	1,503	1,503		0	1,845	1,845	
21.0%	0	1,862	1,862		0	3,292	3,292		0	1,503	1,503		0	1,769	1,769	
22.2%	0	1,832	1,832		0	3,273	3,273		0	1,503	1,503		0	1,555	1,555	
23.5%	0	1,830	1,830		0	3,207	3,207		0	1,503	1,503		0	1,505	1,505	
24.7%	0	1,755	1,755		0	3,176	3,176		0	1,503	1,503		0	1,505	1,505	
25.9%	0	1,561	1,561		0	3,078	3,078		0	1,503	1,503		0	1,505	1,505	
27.2%	0	1,500	1,500		0	3,005	3,005		0	1,500	1,500		0	1,505	1,505	
28.4%	0	1,500	1,500		0	2,968	2,968		0	1,500	1,500		0	1,505	1,505	
29.6%	0	1,500	1,500		0	2,909	2,909		0	1,500	1,500		0	1,505	1,505	
30.9%	0	1,452	1,452		0	2,793	2,793		0	1,500	1,500		0	1,505	1,505	
32.1%	0	1,064	1,064		0	2,720	2,720		0	1,500	1,500		0	1,505	1,505	
33.3%	0	925	925		0	2,707	2,707		0	1,500	1,500		0	1,505	1,505	
34.6%	0	603	603		0	2,706	2,706		0	1,500	1,500		0	1,505	1,505	
35.8%	0	540	540		0	2,542	2,542		0	1,500	1,500		0	1,505	1,505	
37.0%	0	540	540		0	2,522	2,522		0	1,500	1,500		0	1,500	1,500	
38.3%	0	414	414		0	2,500	2,500		0	1,381	1,381		0	1,500	1,500	
39.5%	0	411	411		0	2,296	2,296		0	1,356	1,356		0	1,500	1,500	
40.7%	0	352	352		0	2,244	2,244		0	1,330	1,330		0	1,500	1,500	
42.0%	0	293	293		0	2,208	2,208		0	1,330	1,330		0	1,500	1,500	
43.2%	0	207	207		0	2,064	2,064		0	1,317	1,317		0	1,500	1,500	
44.4%	0	187	187		0	2,011	2,011		0	1,305	1,305		0	1,500	1,500	
45.7%	0	185	185		0	2,008	2,008		0	1,291	1,291		0	1,500	1,500	
46.9%	0	101	101		0	1,644	1,644		0	1,261	1,261		0	1,500	1,500	
48.1%	0	40	40		0	1,500	1,500		0	1,223	1,223		0	1,378	1,378	
49.4%	0	40	40		0	1,500	1,500		0	1,199	1,199		0	1,351	1,351	
50.6%	0	40	40		0	1,500	1,500		0	1,168	1,168		0	1,341	1,341	
51.9%	0	40	40		0	1,500	1,500		0	1,158	1,158		0	1,312	1,312	
53.1%	0	40	40		0	1,500	1,500		0	1,115	1,115		0	1,295	1,295	
54.3%	0	40	40		0	1,406	1,406		0	1,059	1,059		0	1,182	1,182	
55.6%	0	40	40		0	1,402	1,402		0	972	972		0	1,149	1,149	
56.8%	0	40	40		0	1,356	1,356		0	869	869		0	1,118	1,118	
58.0%	0	40	40		0	1,318	1,318		0	762	762		0	1,107	1,107	
59.3%	0	40	40		0	1,249	1,249		0	695	695		0	1,075	1,075	
60.5%	0	40	40		0	1,042	1,042		0	638	638		0	1,020	1,020	
61.7%	0	40	40		0	708	708		0	566	566		0	1,011	1,011	
63.0%	0	40	40		0	662	662		0	537	537		0	1,006	1,006	
64.2%	0	40	40		0	645	645		0	523	523		0	1,004	1,004	
65.4%	0	40	40		0	523	523		0	523	523		0	970	970	
66.7%	0	40	40		0	523	523		0	523	523		0	890	890	
67.9%	0	40	40		0	523	523		0	523	523		0	780	780	
69.1%	0	40	40		0	295	295		0	523	523		0	768	768	
70.4%	0	40	40		0	131	131		0	523	523		0	747	747	
71.6%	0	0	0		0	52	52		0	523	523		0	623	623	
72.8%	0	0	0		0	2	2		0	523	523		0	581	581	
74.1%	0	0	0		0	2	2		0	523	523		0	540	540	
75.3%	0	0	0		0	0	0		0	523	523		0	540	540	
76.5%	0	0	0		0	0	0		0	523	523		0	540	540	
77.8%	0	0	0		0	0	0		0	523	523		0	540	540	
79.0%	0	0	0		0	0	0		0	523	523		0	540	540	
80.2%	0	0	0		0	0	0		0	523	523		0	540	540	
81.5%	0	0	0		0	0	0		0	523	523		0	540	540	
82.7%	0	0	0		0	0	0		0	523	523		0	540	540	
84.0%	0	0	0		0	0	0		0	523	523		0	540	540	
85.2%	0	0	0		0	0	0		0	523	523		0	540	540	
86.4%	0	0	0		0	0	0		0	298	298		0	540	540	
87.7%	0	0	0		0	0	0		0	0	0		0	540	540	
88.9%	0	0	0		0	0	0		0	0	0		0	540	540	
90.1%	0	0	0		0	0	0		0	0	0		0	151	151	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-3a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	56	66	686	463	0	0
Difference	0	0	0	0	0	0	56	66	686	463	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	702	321	0	0
Difference	0	0	0	0	0	0	0	0	702	321	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	670	428	0	0
Difference	0	0	0	0	0	0	0	0	670	428	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	474	240	0	0
Difference	0	0	0	0	0	0	0	0	474	240	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	11	72	727	669	0	0
Difference	0	0	0	0	0	0	11	72	727	669	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	365	342	854	756	0	0
Difference	0	0	0	0	0	0	365	342	854	756	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

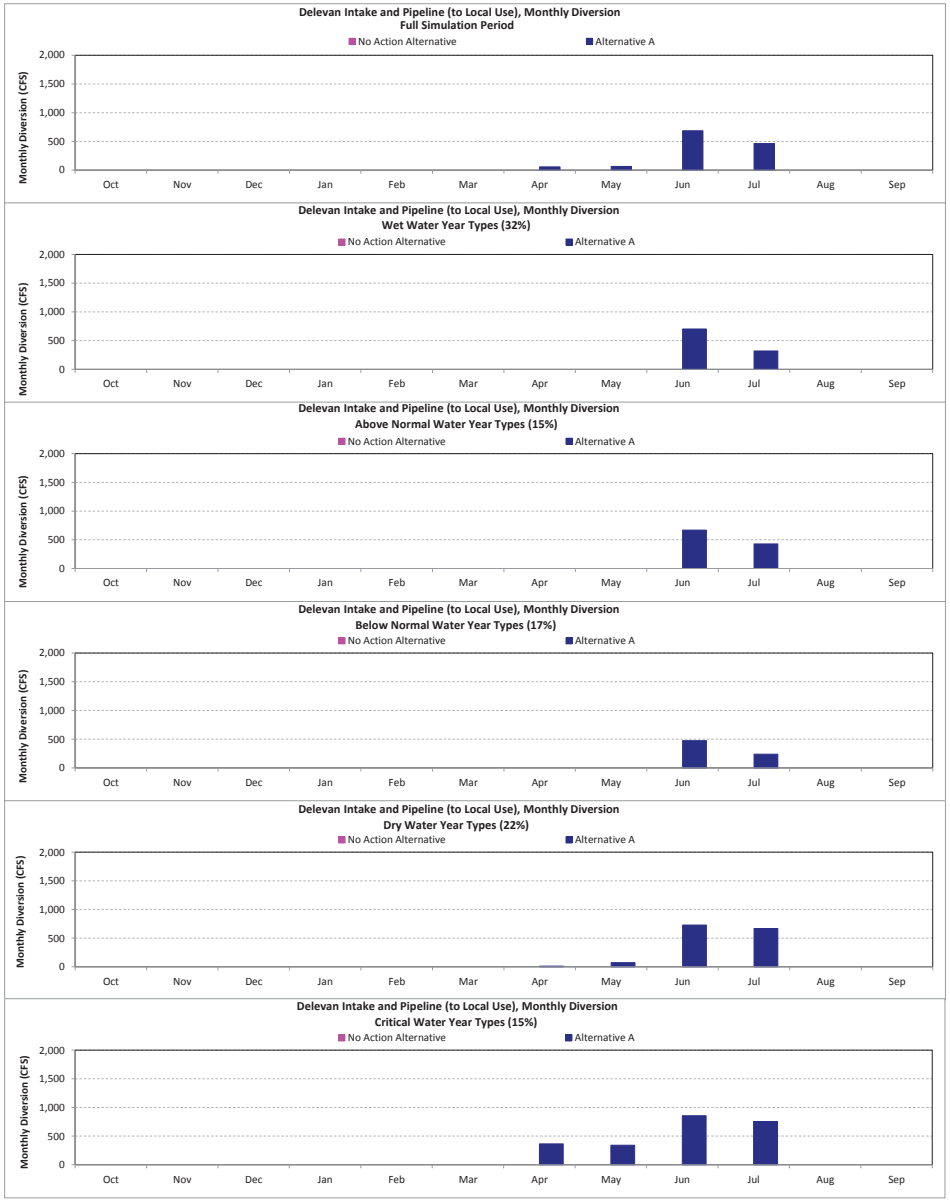

Figure OP-08-3b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

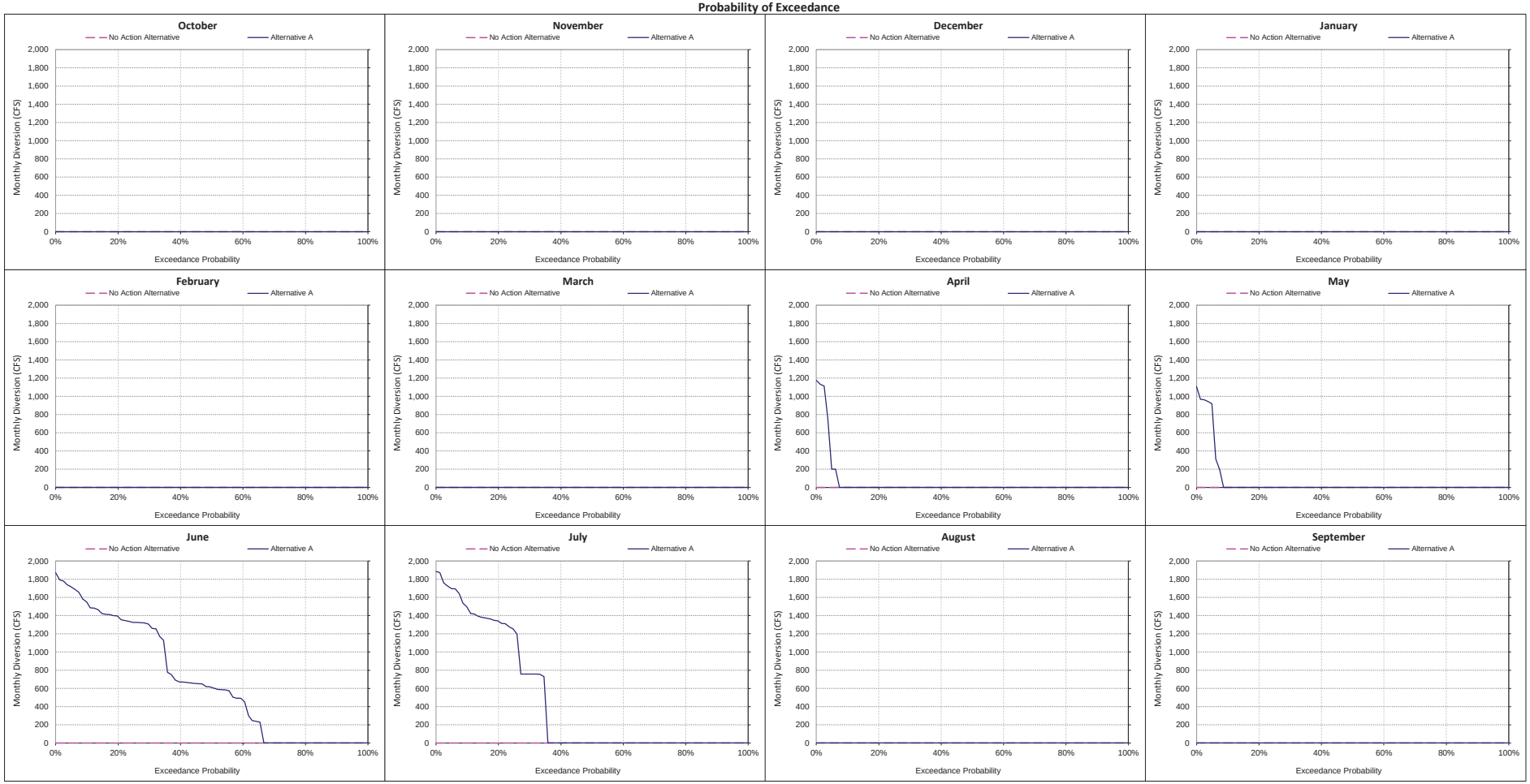

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	1,176	1,176		0	1,108	1,108	
1.2%	0	0	0		0	0	0		0	1,131	1,131		0	967	967	
2.5%	0	0	0		0	0	0		0	1,113	1,113		0	963	963	
3.7%	0	0	0		0	0	0		0	760	760		0	942	942	
4.9%	0	0	0		0	0	0		0	200	200		0	920	920	
6.2%	0	0	0		0	0	0		0	200	200		0	310	310	
7.4%	0	0	0		0	0	0		0	0	0		0	194	194	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,870	1,870		0.0%	0	1,884	1,884		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	1,793	1,793		1.2%	0	1,872	1,872		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	1,778	1,778		2.5%	0	1,759	1,759		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	1,739	1,739		3.7%	0	1,725	1,725		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	1,716	1,716		4.9%	0	1,696	1,696		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	1,688	1,688		6.2%	0	1,694	1,694		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	1,656	1,656		7.4%	0	1,638	1,638		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	1,583	1,583		8.6%	0	1,537	1,537		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	1,549	1,549		9.9%	0	1,496	1,496		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	1,484	1,484		11.1%	0	1,423	1,423		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,481	1,481		12.3%	0	1,415	1,415		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,466	1,466		13.6%	0	1,391	1,391		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,423	1,423		14.8%	0	1,379	1,379		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,413	1,413		16.0%	0	1,375	1,375		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,411	1,411		17.3%	0	1,362	1,362		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,399	1,399		18.5%	0	1,347	1,347		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,397	1,397		19.8%	0	1,342	1,342		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,354	1,354		21.0%	0	1,315	1,315		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,345	1,345		22.2%	0	1,310	1,310		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,337	1,337		23.5%	0	1,277	1,277		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,326	1,326		24.7%	0	1,254	1,254		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,326	1,326		25.9%	0	1,197	1,197		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,322	1,322		27.2%	0	756	756		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,320	1,320		28.4%	0	756	756		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,309	1,309		29.6%	0	756	756		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,261	1,261		30.9%	0	756	756		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,254	1,254		32.1%	0	756	756		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,172	1,172		33.3%	0	754	754		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,128	1,128		34.6%	0	729	729		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	779	779		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	751	751		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	692	692		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	671	671		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	669	669		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	666	666		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	661	661		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	656	656		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	651	651		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	648	648		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	620	620		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	617	617		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	603	603		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	590	590		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	586	586		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	582	582		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	576	576		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	505	505		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	492	492		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	492	492		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	452	452		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	300	300		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	246	246		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	237	237		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	230	230		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-09-3a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	633	596	679	812	926	1,017	1,012	985	934	826	759	687
Difference	633	596	679	812	926	1,017	1,012	985	934	826	759	687
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	868	802	915	1,067	1,162	1,201	1,207	1,202	1,176	1,068	1,030	939
Difference	868	802	915	1,067	1,162	1,201	1,207	1,202	1,176	1,068	1,030	939
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	783	743	860	849	1,009	1,141	1,174	1,180	1,128	981	909	826
Difference	783	743	860	849	1,009	1,141	1,174	1,180	1,128	981	909	826
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	643	620	696	770	896	1,027	1,069	1,062	993	831	741	690
Difference	643	620	696	770	896	1,027	1,069	1,062	993	831	741	690
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	460	441	490	694	828	961	918	839	765	679	582	515
Difference	460	441	490	694	828	961	918	839	765	679	582	515
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	221	207	250	446	516	566	499	447	402	360	306	259
Difference	221	207	250	446	516	566	499	447	402	360	306	259
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

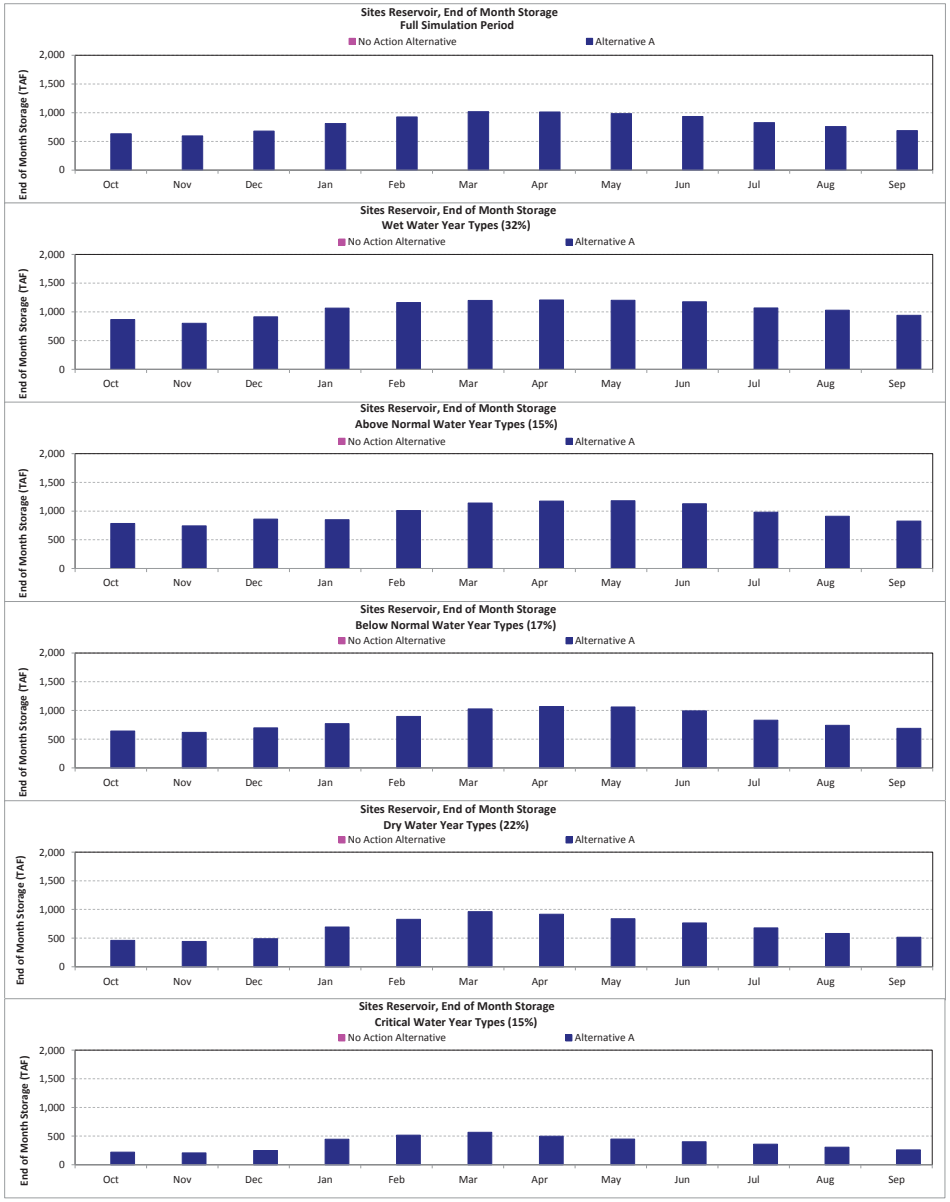

Figure OP-09-3b
Sites Reservoir, End of Month Storage
Probability of Exceedance

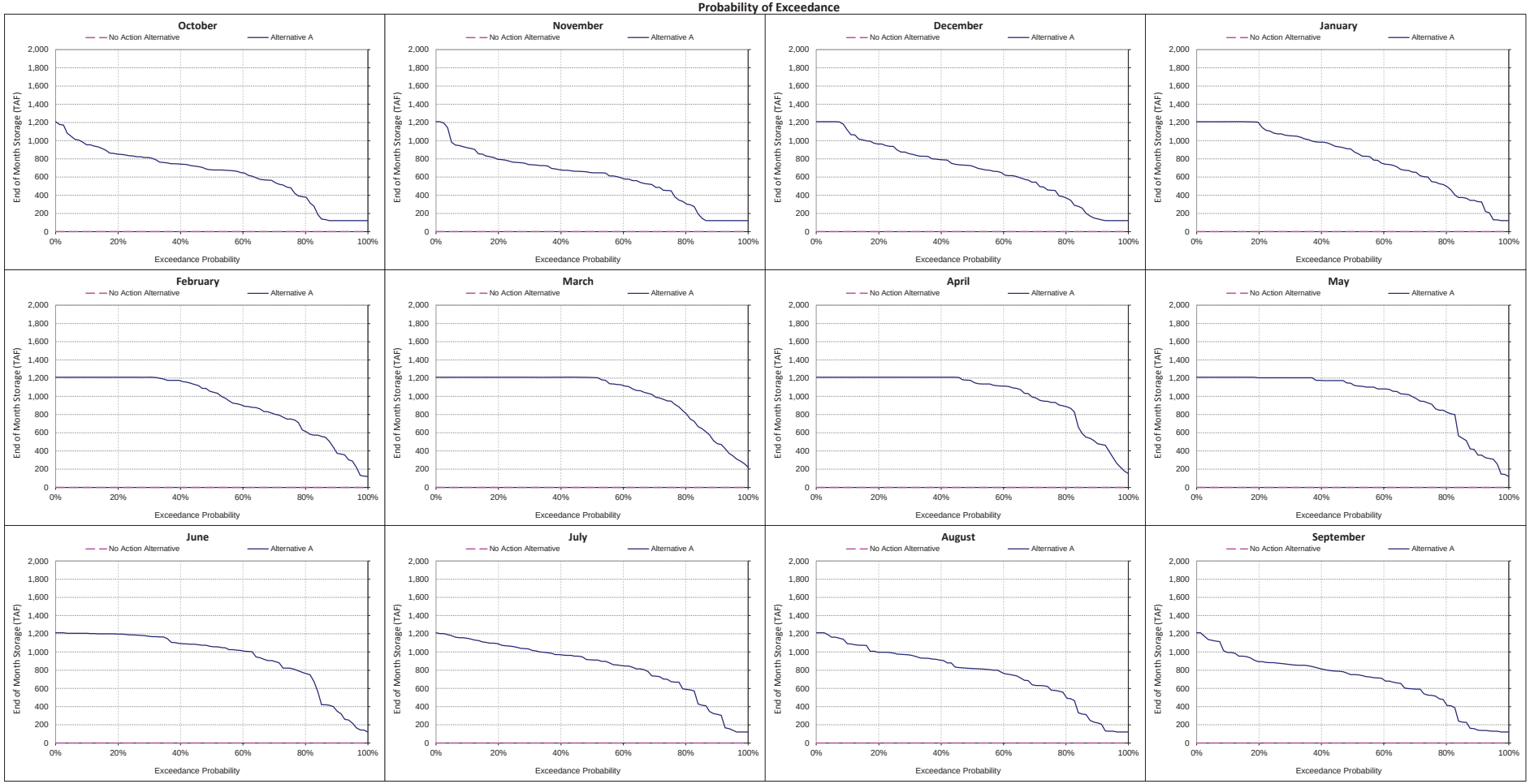

Table OP-09-3b

Sites Reservoir, End of Month Storage
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210		0.0%	0	1,210	1,210		0.0%	0	1,210	1,210		0.0%	0	1,210	1,210	
1.2%	0	1,177	1,177		1.2%	0	1,210	1,210		1.2%	0	1,210	1,210		1.2%	0	1,210	1,210	
2.5%	0	1,172	1,172		2.5%	0	1,195	1,195		2.5%	0	1,210	1,210		2.5%	0	1,210	1,210	
3.7%	0	1,083	1,083		3.7%	0	1,144	1,144		3.7%	0	1,210	1,210		3.7%	0	1,210	1,210	
4.9%	0	1,048	1,048		4.9%	0	982	982		4.9%	0	1,210	1,210		4.9%	0	1,210	1,210	
6.2%	0	1,014	1,014		6.2%	0	952	952		6.2%	0	1,209	1,209		6.2%	0	1,210	1,210	
7.4%	0	1,005	1,005		7.4%	0	947	947		7.4%	0	1,206	1,206		7.4%	0	1,210	1,210	
8.6%	0	982	982		8.6%	0	934	934		8.6%	0	1,179	1,179		8.6%	0	1,210	1,210	
9.9%	0	954	954		9.9%	0	922	922		9.9%	0	1,117	1,117		9.9%	0	1,210	1,210	
11.1%	0	954	954		11.1%	0	915	915		11.1%	0	1,065	1,065		11.1%	0	1,210	1,210	
12.3%	0	940	940		12.3%	0	903	903		12.3%	0	1,063	1,063		12.3%	0	1,210	1,210	
13.6%	0	932	932		13.6%	0	854	854		13.6%	0	1,018	1,018		13.6%	0	1,210	1,210	
14.8%	0	914	914		14.8%	0	852	852		14.8%	0	1,008	1,008		14.8%	0	1,209	1,209	
16.0%	0	894	894		16.0%	0	833	833		16.0%	0	997	997		16.0%	0	1,209	1,209	
17.3%	0	864	864		17.3%	0	823	823		17.3%	0	993	993		17.3%	0	1,208	1,208	
18.5%	0	860	860		18.5%	0	814	814		18.5%	0	972	972		18.5%	0	1,207	1,207	
19.8%	0	853	853		19.8%	0	796	796		19.8%	0	964	964		19.8%	0	1,203	1,203	
21.0%	0	849	849		21.0%	0	793	793		21.0%	0	963	963		21.0%	0	1,146	1,146	
22.2%	0	844	844		22.2%	0	786	786		22.2%	0	945	945		22.2%	0	1,113	1,113	
23.5%	0	836	836		23.5%	0	776	776		23.5%	0	938	938		23.5%	0	1,106	1,106	
24.7%	0	833	833		24.7%	0	765	765		24.7%	0	936	936		24.7%	0	1,084	1,084	
25.9%	0	823	823		25.9%	0	762	762		25.9%	0	899	899		25.9%	0	1,074	1,074	
27.2%	0	823	823		27.2%	0	756	756		27.2%	0	875	875		27.2%	0	1,073	1,073	
28.4%	0	816	816		28.4%	0	753	753		28.4%	0	875	875		28.4%	0	1,061	1,061	
29.6%	0	815	815		29.6%	0	737	737		29.6%	0	859	859		29.6%	0	1,055	1,055	
30.9%	0	807	807		30.9%	0	735	735		30.9%	0	848	848		30.9%	0	1,053	1,053	
32.1%	0	789	789		32.1%	0	732	732		32.1%	0	838	838		32.1%	0	1,049	1,049	
33.3%	0	763	763		33.3%	0	728	728		33.3%	0	830	830		33.3%	0	1,037	1,037	
34.6%	0	760	760		34.6%	0	727	727		34.6%	0	828	828		34.6%	0	1,021	1,021	
35.8%	0	756	756		35.8%	0	721	721		35.8%	0	826	826		35.8%	0	1,012	1,012	
37.0%	0	746	746		37.0%	0	694	694		37.0%	0	799	799		37.0%	0	994	994	
38.3%	0	746	746		38.3%	0	690	690		38.3%	0	797	797		38.3%	0	985	985	
39.5%	0	744	744		39.5%	0	682	682		39.5%	0	792	792		39.5%	0	983	983	
40.7%	0	741	741		40.7%	0	676	676		40.7%	0	790	790		40.7%	0	982	982	
42.0%	0	737	737		42.0%	0	675	675		42.0%	0	785	785		42.0%	0	973	973	
43.2%	0	725	725		43.2%	0	671	671		43.2%	0	751	751		43.2%	0	957	957	
44.4%	0	719	719		44.4%	0	665	665		44.4%	0	741	741		44.4%	0	938	938	
45.7%	0	714	714		45.7%	0	665	665		45.7%	0	733	733		45.7%	0	932	932	
46.9%	0	705	705		46.9%	0	660	660		46.9%	0	731	731		46.9%	0	925	925	
48.1%	0	691	691		48.1%	0	659	659		48.1%	0	728	728		48.1%	0	911	911	
49.4%	0	680	680		49.4%	0	649	649		49.4%	0	725	725		49.4%	0	908	908	
50.6%	0	679	679		50.6%	0	647	647		50.6%	0	713	713		50.6%	0	874	874	
51.9%	0	679	679		51.9%	0	646	646		51.9%	0	694	694		51.9%	0	854	854	
53.1%	0	677	677		53.1%	0	646	646		53.1%	0	686	686		53.1%	0	830	830	
54.3%	0	674	674		54.3%	0	642	642		54.3%	0	678	678		54.3%	0	829	829	
55.6%	0	674	674		55.6%	0	613	613		55.6%	0	674	674		55.6%	0	823	823	
56.8%	0	669	669		56.8%	0	612	612		56.8%	0	664	664		56.8%	0	785	785	
58.0%	0	665	665		58.0%	0	603	603		58.0%	0	661	661		58.0%	0	782	782	
59.3%	0	648	648		59.3%	0	592	592		59.3%	0	650	650		59.3%	0	751	751	
60.5%	0	643	643		60.5%	0	578	578		60.5%	0	621	621		60.5%	0	742	742	
61.7%	0	617	617		61.7%	0	578	578		61.7%	0	616	616		61.7%	0	738	738	
63.0%	0	611	611		63.0%	0	562	562		63.0%	0	615	615		63.0%	0	728	728	
64.2%	0	592	592		64.2%	0	560	560		64.2%	0	603	603		64.2%	0	713	713	
65.4%	0	575	575		65.4%	0	540	540		65.4%	0	593	593		65.4%	0	684	684	
66.7%	0	571	571		66.7%	0	530	530		66.7%	0	575	575		66.7%	0	674	674	
67.9%	0	568	568		67.9%	0	523	523		67.9%	0	565	565		67.9%	0	671	671	
69.1%	0	565	565		69.1%	0	518	518		69.1%	0	545	545		69.1%	0	654	654	
70.4%	0	537	537		70.4%	0	488	488		70.4%	0	544	544		70.4%	0	653	653	
71.6%	0	521	521		71.6%	0	487	487		71.6%	0	494	494		71.6%	0	616	616	
72.8%	0	512	512		72.8%	0	455	455		72.8%	0	491	491		72.8%	0	605	605	
74.1%	0	489	489		74.1%	0	452	452		74.1%	0	458	458		74.1%	0	601	601	
75.3%	0	482	482		75.3%	0	450	450		75.3%	0	455	455		75.3%	0	549	549	
76.5%	0	421	421		76.5%	0	381	381		76.5%	0	453	453		76.5%	0	544	544	
77.8%	0	393	393		77.8%	0	346	346		77.8%	0	393	393		77.8%	0	527	527	
79.0%	0	384	384		79.0%	0	333	333		79.0%	0	383	383		79.0%	0	518	518	
80.2%	0	379	379		80.2%	0	305	305		80.2%	0	366	366		80.2%	0	494	494	
81.5%	0	316	316		81.5%	0	296	296		81.5%	0	343	343		81.5%	0	458	458	
82.7%	0	278	278		82.7%	0	276	276		82.7%	0	289	289		82.7%	0	405	405	
84.0%	0	187	187		84.0%	0	196	196		84.0%	0	278	278		84.0%	0	376	376	
85.2%	0	137	137		85.2%	0	148	148		85.2%	0	258	258		85.2%	0	375	375	
86.4%	0	134	134		86.4%	0	121	121		86.4%	0	201	201		86.4%	0	366	366	
87.7%	0	120	120		87.7%	0	121	121		87.7%	0	173	173		87.7%	0	344	344	
88.9%	0	120	120		88.9%	0	121	121		88.9%	0	150	150		88.9%	0	343	343	
90.1%	0	120	120		90.1%	0	121	121		90.1%	0	140	140		90.1%	0	329	329	
91.4%	0	120	120		91.4%	0	121	121		91.4%	0	131	131		91.4%	0	325	325	
92.6%	0	120	120		92.6%	0	121	121		92.6%	0	122	122		92.6%	0	221	221	
93.8%	0	120	120		93.8%	0	120	120		93.8%	0	122	122		93.8%	0	206	206	
95.1%	0	120	120		95.1%	0	120	120		95.1%	0	122	122		95.1%	0	131	131	
96.3%	0	120	120		96.3%	0	120	120		96.3%	0	122	122		96.3%	0	131	131	
97.5%	0	120	120		97.5%	0	120	120		97.5%	0	122	122		97.5%	0	122	122	
98.8%	0	120	120		98.8%	0	120	120		98.8%	0	120	120		98.8%	0	122	122	
100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120	

Table OP-09-3b

Sites Reservoir, End of Month Storage

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
1.2%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
2.5%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
3.7%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
4.9%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
6.2%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
7.4%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
8.6%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
9.9%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
11.1%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
12.3%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
13.6%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
14.8%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
16.0%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
17.3%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
18.5%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,210	1,210	
19.8%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
21.0%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
22.2%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
23.5%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
24.7%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
25.9%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
27.2%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
28.4%	0	1,210	1,210		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
29.6%	0	1,209	1,209		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
30.9%	0	1,209	1,209		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
32.1%	0	1,207	1,207		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
33.3%	0	1,199	1,199		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
34.6%	0	1,190	1,190		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
35.8%	0	1,176	1,176		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
37.0%	0	1,176	1,176		0	1,210	1,210		0	1,210	1,210		0	1,205	1,205	
38.3%	0	1,176	1,176		0	1,210	1,210		0	1,210	1,210		0	1,176	1,176	
39.5%	0	1,174	1,174		0	1,210	1,210		0	1,210	1,210		0	1,174	1,174	
40.7%	0	1,160	1,160		0	1,210	1,210		0	1,210	1,210		0	1,173	1,173	
42.0%	0	1,156	1,156		0	1,210	1,210		0	1,210	1,210		0	1,173	1,173	
43.2%	0	1,145	1,145		0	1,210	1,210		0	1,210	1,210		0	1,173	1,173	
44.4%	0	1,130	1,130		0	1,210	1,210		0	1,210	1,210		0	1,173	1,173	
45.7%	0	1,119	1,119		0	1,210	1,210		0	1,207	1,207		0	1,173	1,173	
46.9%	0	1,088	1,088		0	1,209	1,209		0	1,181	1,181		0	1,173	1,173	
48.1%	0	1,088	1,088		0	1,209	1,209		0	1,178	1,178		0	1,147	1,147	
49.4%	0	1,057	1,057		0	1,209	1,209		0	1,177	1,177		0	1,144	1,144	
50.6%	0	1,046	1,046		0	1,207	1,207		0	1,150	1,150		0	1,118	1,118	
51.9%	0	1,033	1,033		0	1,204	1,204		0	1,137	1,137		0	1,113	1,113	
53.1%	0	999	999		0	1,181	1,181		0	1,136	1,136		0	1,109	1,109	
54.3%	0	980	980		0	1,176	1,176		0	1,135	1,135		0	1,102	1,102	
55.6%	0	951	951		0	1,137	1,137		0	1,135	1,135		0	1,101	1,101	
56.8%	0	924	924		0	1,135	1,135		0	1,121	1,121		0	1,100	1,100	
58.0%	0	919	919		0	1,130	1,130		0	1,114	1,114		0	1,082	1,082	
59.3%	0	906	906		0	1,126	1,126		0	1,114	1,114		0	1,081	1,081	
60.5%	0	891	891		0	1,114	1,114		0	1,112	1,112		0	1,081	1,081	
61.7%	0	888	888		0	1,107	1,107		0	1,106	1,106		0	1,076	1,076	
63.0%	0	879	879		0	1,081	1,081		0	1,092	1,092		0	1,055	1,055	
64.2%	0	877	877		0	1,064	1,064		0	1,087	1,087		0	1,053	1,053	
65.4%	0	861	861		0	1,061	1,061		0	1,074	1,074		0	1,026	1,026	
66.7%	0	833	833		0	1,044	1,044		0	1,032	1,032		0	1,024	1,024	
67.9%	0	830	830		0	1,033	1,033		0	1,031	1,031		0	1,018	1,018	
69.1%	0	817	817		0	1,022	1,022		0	993	993		0	996	996	
70.4%	0	801	801		0	989	989		0	983	983		0	975	975	
71.6%	0	793	793		0	983	983		0	956	956		0	946	946	
72.8%	0	770	770		0	966	966		0	948	948		0	944	944	
74.1%	0	751	751		0	951	951		0	943	943		0	928	928	
75.3%	0	750	750		0	948	948		0	934	934		0	913	913	
76.5%	0	738	738		0	910	910		0	932	932		0	862	862	
77.8%	0	711	711		0	884	884		0	905	905		0	847	847	
79.0%	0	630	630		0	841	841		0	895	895		0	847	847	
80.2%	0	612	612		0	809	809		0	884	884		0	824	824	
81.5%	0	582	582		0	751	751		0	866	866		0	809	809	
82.7%	0	574	574		0	725	725		0	828	828		0	799	799	
84.0%	0	573	573		0	666	666		0	662	662		0	566	566	
85.2%	0	559	559		0	646	646		0	592	592		0	539	539	
86.4%	0	550	550		0	612	612		0	551	551		0	515	515	
87.7%	0	504	504		0	578	578		0	541	541		0	423	423	
88.9%	0	441	441		0	514	514		0	514	514		0	417	417	
90.1%	0	373	373		0	480	480		0	480	480		0	354	354	
91.4%	0	366	366		0	472	472		0	470	470		0	353	353	
92.6%	0	357	357		0	424	424		0	464	464		0	324	324	
93.8%	0	302	302		0	374	374		0	393	393		0	316	316	
95.1%	0	288	288		0	349	349		0	327	327		0	309	309	
96.3%	0	221	221		0	311	311		0	259	259		0	256	256	
97.5%	0	131	131		0	288	288		0	221	221		0	146	146	
98.8%	0	122	122		0	259	259		0	177	177		0	143	143	
100.0%	0	120	120		0	221	221		0	151	151		0	120	120	

Table OP-09-3b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210		0.0%	0	1,210	1,210		0.0%	0	1,210	1,210		0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210		1.2%	0	1,202	1,202		1.2%	0	1,210	1,210		1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210		2.5%	0	1,202	1,202		2.5%	0	1,210	1,210		2.5%	0	1,173	1,173	
3.7%	0	1,204	1,204		3.7%	0	1,191	1,191		3.7%	0	1,190	1,190		3.7%	0	1,137	1,137	
4.9%	0	1,204	1,204		4.9%	0	1,180	1,180		4.9%	0	1,163	1,163		4.9%	0	1,128	1,128	
6.2%	0	1,204	1,204		6.2%	0	1,164	1,164		6.2%	0	1,162	1,162		6.2%	0	1,120	1,120	
7.4%	0	1,204	1,204		7.4%	0	1,158	1,158		7.4%	0	1,152	1,152		7.4%	0	1,115	1,115	
8.6%	0	1,204	1,204		8.6%	0	1,156	1,156		8.6%	0	1,139	1,139		8.6%	0	1,013	1,013	
9.9%	0	1,204	1,204		9.9%	0	1,151	1,151		9.9%	0	1,092	1,092		9.9%	0	995	995	
11.1%	0	1,202	1,202		11.1%	0	1,144	1,144		11.1%	0	1,088	1,088		11.1%	0	994	994	
12.3%	0	1,202	1,202		12.3%	0	1,132	1,132		12.3%	0	1,081	1,081		12.3%	0	987	987	
13.6%	0	1,199	1,199		13.6%	0	1,127	1,127		13.6%	0	1,075	1,075		13.6%	0	955	955	
14.8%	0	1,199	1,199		14.8%	0	1,112	1,112		14.8%	0	1,073	1,073		14.8%	0	954	954	
16.0%	0	1,199	1,199		16.0%	0	1,104	1,104		16.0%	0	1,072	1,072		16.0%	0	948	948	
17.3%	0	1,199	1,199		17.3%	0	1,097	1,097		17.3%	0	1,009	1,009		17.3%	0	933	933	
18.5%	0	1,199	1,199		18.5%	0	1,097	1,097		18.5%	0	1,007	1,007		18.5%	0	909	909	
19.8%	0	1,198	1,198		19.8%	0	1,092	1,092		19.8%	0	997	997		19.8%	0	896	896	
21.0%	0	1,197	1,197		21.0%	0	1,075	1,075		21.0%	0	997	997		21.0%	0	894	894	
22.2%	0	1,193	1,193		22.2%	0	1,068	1,068		22.2%	0	997	997		22.2%	0	886	886	
23.5%	0	1,188	1,188		23.5%	0	1,066	1,066		23.5%	0	995	995		23.5%	0	883	883	
24.7%	0	1,187	1,187		24.7%	0	1,060	1,060		24.7%	0	988	988		24.7%	0	882	882	
25.9%	0	1,187	1,187		25.9%	0	1,050	1,050		25.9%	0	977	977		25.9%	0	877	877	
27.2%	0	1,183	1,183		27.2%	0	1,040	1,040		27.2%	0	973	973		27.2%	0	871	871	
28.4%	0	1,180	1,180		28.4%	0	1,037	1,037		28.4%	0	972	972		28.4%	0	870	870	
29.6%	0	1,175	1,175		29.6%	0	1,035	1,035		29.6%	0	970	970		29.6%	0	865	865	
30.9%	0	1,168	1,168		30.9%	0	1,017	1,017		30.9%	0	960	960		30.9%	0	856	856	
32.1%	0	1,167	1,167		32.1%	0	1,011	1,011		32.1%	0	948	948		32.1%	0	856	856	
33.3%	0	1,165	1,165		33.3%	0	999	999		33.3%	0	934	934		33.3%	0	855	855	
34.6%	0	1,165	1,165		34.6%	0	998	998		34.6%	0	932	932		34.6%	0	854	854	
35.8%	0	1,144	1,144		35.8%	0	991	991		35.8%	0	930	930		35.8%	0	848	848	
37.0%	0	1,105	1,105		37.0%	0	987	987		37.0%	0	924	924		37.0%	0	840	840	
38.3%	0	1,104	1,104		38.3%	0	972	972		38.3%	0	920	920		38.3%	0	828	828	
39.5%	0	1,094	1,094		39.5%	0	971	971		39.5%	0	912	912		39.5%	0	818	818	
40.7%	0	1,092	1,092		40.7%	0	967	967		40.7%	0	907	907		40.7%	0	808	808	
42.0%	0	1,087	1,087		42.0%	0	963	963		42.0%	0	879	879		42.0%	0	800	800	
43.2%	0	1,086	1,086		43.2%	0	962	962		43.2%	0	879	879		43.2%	0	792	792	
44.4%	0	1,085	1,085		44.4%	0	955	955		44.4%	0	833	833		44.4%	0	791	791	
45.7%	0	1,081	1,081		45.7%	0	954	954		45.7%	0	827	827		45.7%	0	790	790	
46.9%	0	1,074	1,074		46.9%	0	946	946		46.9%	0	826	826		46.9%	0	784	784	
48.1%	0	1,073	1,073		48.1%	0	917	917		48.1%	0	821	821		48.1%	0	770	770	
49.4%	0	1,063	1,063		49.4%	0	914	914		49.4%	0	821	821		49.4%	0	752	752	
50.6%	0	1,058	1,058		50.6%	0	913	913		50.6%	0	820	820		50.6%	0	752	752	
51.9%	0	1,058	1,058		51.9%	0	911	911		51.9%	0	816	816		51.9%	0	749	749	
53.1%	0	1,047	1,047		53.1%	0	898	898		53.1%	0	814	814		53.1%	0	742	742	
54.3%	0	1,045	1,045		54.3%	0	898	898		54.3%	0	810	810		54.3%	0	728	728	
55.6%	0	1,026	1,026		55.6%	0	879	879		55.6%	0	805	805		55.6%	0	727	727	
56.8%	0	1,024	1,024		56.8%	0	859	859		56.8%	0	799	799		56.8%	0	716	716	
58.0%	0	1,019	1,019		58.0%	0	858	858		58.0%	0	799	799		58.0%	0	713	713	
59.3%	0	1,018	1,018		59.3%	0	853	853		59.3%	0	778	778		59.3%	0	711	711	
60.5%	0	1,010	1,010		60.5%	0	847	847		60.5%	0	762	762		60.5%	0	681	681	
61.7%	0	1,006	1,006		61.7%	0	847	847		61.7%	0	754	754		61.7%	0	680	680	
63.0%	0	1,002	1,002		63.0%	0	833	833		63.0%	0	746	746		63.0%	0	668	668	
64.2%	0	946	946		64.2%	0	816	816		64.2%	0	737	737		64.2%	0	661	661	
65.4%	0	938	938		65.4%	0	815	815		65.4%	0	716	716		65.4%	0	654	654	
66.7%	0	920	920		66.7%	0	807	807		66.7%	0	690	690		66.7%	0	604	604	
67.9%	0	906	906		67.9%	0	785	785		67.9%	0	686	686		67.9%	0	598	598	
69.1%	0	905	905		69.1%	0	737	737		69.1%	0	639	639		69.1%	0	594	594	
70.4%	0	894	894		70.4%	0	735	735		70.4%	0	632	632		70.4%	0	593	593	
71.6%	0	881	881		71.6%	0	728	728		71.6%	0	631	631		71.6%	0	592	592	
72.8%	0	824	824		72.8%	0	704	704		72.8%	0	630	630		72.8%	0	539	539	
74.1%	0	823	823		74.1%	0	700	700		74.1%	0	620	620		74.1%	0	527	527	
75.3%	0	819	819		75.3%	0	676	676		75.3%	0	581	581		75.3%	0	522	522	
76.5%	0	810	810		76.5%	0	670	670		76.5%	0	578	578		76.5%	0	514	514	
77.8%	0	792	792		77.8%	0	668	668		77.8%	0	569	569		77.8%	0	486	486	
79.0%	0	779	779		79.0%	0	595	595		79.0%	0	558	558		79.0%	0	477	477	
80.2%	0	764	764		80.2%	0	590	590		80.2%	0	492	492		80.2%	0	412	412	
81.5%	0	750	750		81.5%	0	583	583		81.5%	0	485	485		81.5%	0	409	409	
82.7%	0	675	675		82.7%	0	573	573		82.7%	0	466	466		82.7%	0	385	385	
84.0%	0	559	559		84.0%	0	430	430		84.0%	0	333	333		84.0%	0	242	242	
85.2%	0	422	422		85.2%	0	415	415		85.2%	0	318	318		85.2%	0	230	230	
86.4%	0	420	420		86.4%	0	409	409		86.4%	0	312	312		86.4%	0	227	227	
87.7%	0	414	414		87.7%	0	345	345		87.7%	0	249	249		87.7%	0	162	162	
88.9%	0	401	401		88.9%	0	325	325		88.9%	0	229	229		88.9%	0	158	158	
90.1%	0	350	350		90.1%	0	316	316		90.1%	0	220	220		90.1%	0	142	142	
91.4%	0	321	321		91.4%	0	304	304		91.4%	0	208	208		91.4%	0	139	139	
92.6%	0	261	261		92.6%	0	165	165		92.6%	0	132	132		92.6%	0	137	137	
93.8%	0	253	253		93.8%	0	157	157		93.8%	0	131	131		93.8%	0	132	132	
95.1%	0	217	217		95.1%	0	141	141		95.1%	0	129	129		95.1%	0	130	130	
96.3%	0	167	167		96.3%	0	121	121		96.3%	0	120	120		96.3%	0	129	129	
97.5%	0	144	144		97.5%	0	120	120		97.5%	0	120	120		97.5%	0	120	120	
98.8%	0	141	141		98.8%	0	120	120		98.8%	0	120	120		98.8%	0	120	120	
100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120	

Table OP-10-3a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	415	411	420	434	446	455	455	452	447	436	429	421
Difference	415	411	420	434	446	455	455	452	447	436	429	421
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	443	437	448	461	470	474	474	474	471	462	459	450
Difference	443	437	448	461	470	474	474	474	471	462	459	450
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	435	431	442	439	456	468	471	472	467	454	448	440
Difference	435	431	442	439	456	468	471	472	467	454	448	440
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	420	417	424	432	445	458	462	461	455	440	431	425
Difference	420	417	424	432	445	458	462	461	455	440	431	425
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	394	392	398	422	437	450	447	439	431	421	410	402
Difference	394	392	398	422	437	450	447	439	431	421	410	402
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	358	356	365	392	400	408	399	391	386	379	372	364
Difference	358	356	365	392	400	408	399	391	386	379	372	364
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-10-3b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

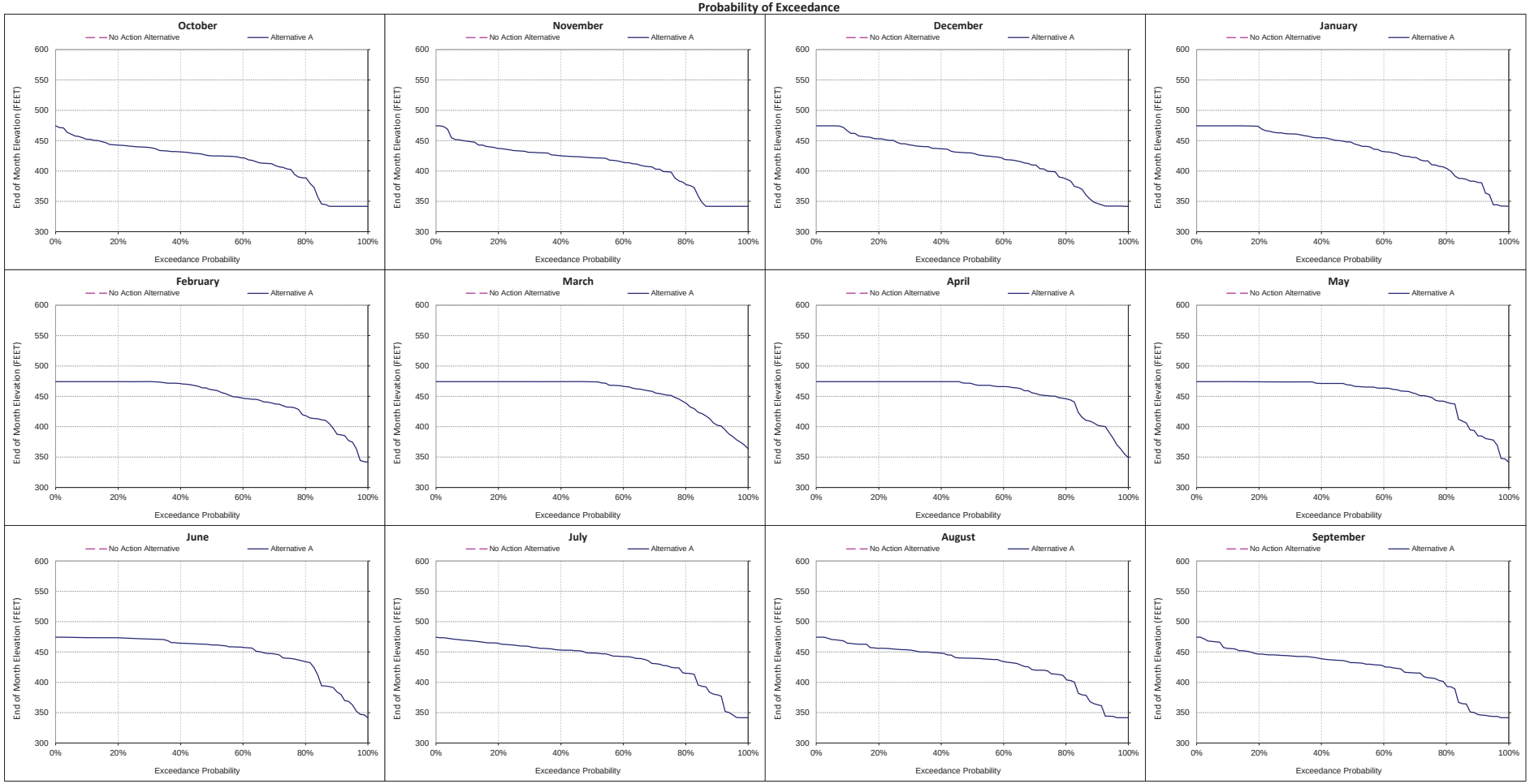

Table OP-10-3b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474		0.0%	0	474	474		0.0%	0	474	474		0.0%	0	474	474	
1.2%	0	472	472		1.2%	0	474	474		1.2%	0	474	474		1.2%	0	474	474	
2.5%	0	471	471		2.5%	0	473	473		2.5%	0	474	474		2.5%	0	474	474	
3.7%	0	464	464		3.7%	0	469	469		3.7%	0	474	474		3.7%	0	474	474	
4.9%	0	461	461		4.9%	0	455	455		4.9%	0	474	474		4.9%	0	474	474	
6.2%	0	458	458		6.2%	0	452	452		6.2%	0	474	474		6.2%	0	474	474	
7.4%	0	457	457		7.4%	0	451	451		7.4%	0	474	474		7.4%	0	474	474	
8.6%	0	455	455		8.6%	0	450	450		8.6%	0	472	472		8.6%	0	474	474	
9.9%	0	452	452		9.9%	0	449	449		9.9%	0	466	466		9.9%	0	474	474	
11.1%	0	452	452		11.1%	0	448	448		11.1%	0	462	462		11.1%	0	474	474	
12.3%	0	451	451		12.3%	0	447	447		12.3%	0	462	462		12.3%	0	474	474	
13.6%	0	450	450		13.6%	0	443	443		13.6%	0	458	458		13.6%	0	474	474	
14.8%	0	448	448		14.8%	0	443	443		14.8%	0	457	457		14.8%	0	474	474	
16.0%	0	447	447		16.0%	0	441	441		16.0%	0	456	456		16.0%	0	474	474	
17.3%	0	444	444		17.3%	0	440	440		17.3%	0	456	456		17.3%	0	474	474	
18.5%	0	443	443		18.5%	0	439	439		18.5%	0	454	454		18.5%	0	474	474	
19.8%	0	443	443		19.8%	0	437	437		19.8%	0	453	453		19.8%	0	474	474	
21.0%	0	442	442		21.0%	0	437	437		21.0%	0	453	453		21.0%	0	469	469	
22.2%	0	442	442		22.2%	0	436	436		22.2%	0	451	451		22.2%	0	466	466	
23.5%	0	441	441		23.5%	0	435	435		23.5%	0	451	451		23.5%	0	466	466	
24.7%	0	441	441		24.7%	0	434	434		24.7%	0	450	450		24.7%	0	464	464	
25.9%	0	440	440		25.9%	0	434	434		25.9%	0	447	447		25.9%	0	463	463	
27.2%	0	440	440		27.2%	0	433	433		27.2%	0	445	445		27.2%	0	463	463	
28.4%	0	439	439		28.4%	0	433	433		28.4%	0	445	445		28.4%	0	462	462	
29.6%	0	439	439		29.6%	0	431	431		29.6%	0	443	443		29.6%	0	461	461	
30.9%	0	438	438		30.9%	0	431	431		30.9%	0	442	442		30.9%	0	461	461	
32.1%	0	436	436		32.1%	0	430	430		32.1%	0	441	441		32.1%	0	461	461	
33.3%	0	434	434		33.3%	0	430	430		33.3%	0	441	441		33.3%	0	460	460	
34.6%	0	433	433		34.6%	0	430	430		34.6%	0	440	440		34.6%	0	458	458	
35.8%	0	433	433		35.8%	0	429	429		35.8%	0	440	440		35.8%	0	457	457	
37.0%	0	432	432		37.0%	0	427	427		37.0%	0	437	437		37.0%	0	456	456	
38.3%	0	432	432		38.3%	0	426	426		38.3%	0	437	437		38.3%	0	455	455	
39.5%	0	432	432		39.5%	0	425	425		39.5%	0	437	437		39.5%	0	455	455	
40.7%	0	431	431		40.7%	0	425	425		40.7%	0	436	436		40.7%	0	455	455	
42.0%	0	431	431		42.0%	0	425	425		42.0%	0	436	436		42.0%	0	454	454	
43.2%	0	430	430		43.2%	0	424	424		43.2%	0	432	432		43.2%	0	452	452	
44.4%	0	429	429		44.4%	0	423	423		44.4%	0	431	431		44.4%	0	451	451	
45.7%	0	429	429		45.7%	0	423	423		45.7%	0	431	431		45.7%	0	450	450	
46.9%	0	428	428		46.9%	0	423	423		46.9%	0	430	430		46.9%	0	449	449	
48.1%	0	426	426		48.1%	0	423	423		48.1%	0	430	430		48.1%	0	448	448	
49.4%	0	425	425		49.4%	0	422	422		49.4%	0	430	430		49.4%	0	448	448	
50.6%	0	425	425		50.6%	0	422	422		50.6%	0	428	428		50.6%	0	445	445	
51.9%	0	425	425		51.9%	0	422	422		51.9%	0	426	426		51.9%	0	443	443	
53.1%	0	425	425		53.1%	0	421	421		53.1%	0	426	426		53.1%	0	441	441	
54.3%	0	424	424		54.3%	0	421	421		54.3%	0	425	425		54.3%	0	440	440	
55.6%	0	424	424		55.6%	0	418	418		55.6%	0	424	424		55.6%	0	440	440	
56.8%	0	424	424		56.8%	0	418	418		56.8%	0	423	423		56.8%	0	436	436	
58.0%	0	423	423		58.0%	0	417	417		58.0%	0	423	423		58.0%	0	436	436	
59.3%	0	422	422		59.3%	0	415	415		59.3%	0	422	422		59.3%	0	432	432	
60.5%	0	421	421		60.5%	0	414	414		60.5%	0	419	419		60.5%	0	431	431	
61.7%	0	418	418		61.7%	0	414	414		61.7%	0	418	418		61.7%	0	431	431	
63.0%	0	418	418		63.0%	0	412	412		63.0%	0	418	418		63.0%	0	430	430	
64.2%	0	415	415		64.2%	0	412	412		64.2%	0	417	417		64.2%	0	428	428	
65.4%	0	413	413		65.4%	0	409	409		65.4%	0	415	415		65.4%	0	425	425	
66.7%	0	413	413		66.7%	0	408	408		66.7%	0	413	413		66.7%	0	424	424	
67.9%	0	412	412		67.9%	0	407	407		67.9%	0	412	412		67.9%	0	424	424	
69.1%	0	412	412		69.1%	0	407	407		69.1%	0	410	410		69.1%	0	422	422	
70.4%	0	409	409		70.4%	0	403	403		70.4%	0	410	410		70.4%	0	422	422	
71.6%	0	407	407		71.6%	0	403	403		71.6%	0	404	404		71.6%	0	418	418	
72.8%	0	406	406		72.8%	0	399	399		72.8%	0	403	403		72.8%	0	417	417	
74.1%	0	403	403		74.1%	0	399	399		74.1%	0	399	399		74.1%	0	416	416	
75.3%	0	402	402		75.3%	0	398	398		75.3%	0	399	399		75.3%	0	410	410	
76.5%	0	394	394		76.5%	0	388	388		76.5%	0	399	399		76.5%	0	410	410	
77.8%	0	390	390		77.8%	0	384	384		77.8%	0	390	390		77.8%	0	408	408	
79.0%	0	389	389		79.0%	0	382	382		79.0%	0	389	389		79.0%	0	407	407	
80.2%	0	388	388		80.2%	0	377	377		80.2%	0	386	386		80.2%	0	404	404	
81.5%	0	379	379		81.5%	0	376	376		81.5%	0	383	383		81.5%	0	399	399	
82.7%	0	373	373		82.7%	0	372	372		82.7%	0	375	375		82.7%	0	392	392	
84.0%	0	357	357		84.0%	0	359	359		84.0%	0	373	373		84.0%	0	388	388	
85.2%	0	346	346		85.2%	0	348	348		85.2%	0	370	370		85.2%	0	388	388	
86.4%	0	345	345		86.4%	0	342	342		86.4%	0	360	360		86.4%	0	386	386	
87.7%	0	342	342		87.7%	0	342	342		87.7%	0	354	354		87.7%	0	383	383	
88.9%	0	342	342		88.9%	0	342	342		88.9%	0	349	349		88.9%	0	383	383	
90.1%	0	342	342		90.1%	0	342	342		90.1%	0	346	346		90.1%	0	381	381	
91.4%	0	342	342		91.4%	0	342	342		91.4%	0	344	344		91.4%	0	381	381	
92.6%	0	342	342		92.6%	0	342	342		92.6%	0	342	342		92.6%	0	363	363	
93.8%	0	342	342		93.8%	0	342	342		93.8%	0	342	342		93.8%	0	361	361	
95.1%	0	342	342		95.1%	0	342	342		95.1%	0	342	342		95.1%	0	344	344	
96.3%	0	342	342		96.3%	0	342	342		96.3%	0	342	342		96.3%	0	344	344	
97.5%	0	342	342		97.5%	0	342	342		97.5%	0	342	342		97.5%	0	342	342	
98.8%	0	342	342		98.8%	0	342	342		98.8%	0	342	342		98.8%	0	342	342	
100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342	

Table OP-10-3b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	474	474		0	474	474		0	474	474		0	474	474	
1.2%	0	474	474		0	474	474		0	474	474		0	474	474	
2.5%	0	474	474		0	474	474		0	474	474		0	474	474	
3.7%	0	474	474		0	474	474		0	474	474		0	474	474	
4.9%	0	474	474		0	474	474		0	474	474		0	474	474	
6.2%	0	474	474		0	474	474		0	474	474		0	474	474	
7.4%	0	474	474		0	474	474		0	474	474		0	474	474	
8.6%	0	474	474		0	474	474		0	474	474		0	474	474	
9.9%	0	474	474		0	474	474		0	474	474		0	474	474	
11.1%	0	474	474		0	474	474		0	474	474		0	474	474	
12.3%	0	474	474		0	474	474		0	474	474		0	474	474	
13.6%	0	474	474		0	474	474		0	474	474		0	474	474	
14.8%	0	474	474		0	474	474		0	474	474		0	474	474	
16.0%	0	474	474		0	474	474		0	474	474		0	474	474	
17.3%	0	474	474		0	474	474		0	474	474		0	474	474	
18.5%	0	474	474		0	474	474		0	474	474		0	474	474	
19.8%	0	474	474		0	474	474		0	474	474		0	474	474	
21.0%	0	474	474		0	474	474		0	474	474		0	474	474	
22.2%	0	474	474		0	474	474		0	474	474		0	474	474	
23.5%	0	474	474		0	474	474		0	474	474		0	474	474	
24.7%	0	474	474		0	474	474		0	474	474		0	474	474	
25.9%	0	474	474		0	474	474		0	474	474		0	474	474	
27.2%	0	474	474		0	474	474		0	474	474		0	474	474	
28.4%	0	474	474		0	474	474		0	474	474		0	474	474	
29.6%	0	474	474		0	474	474		0	474	474		0	474	474	
30.9%	0	474	474		0	474	474		0	474	474		0	474	474	
32.1%	0	474	474		0	474	474		0	474	474		0	474	474	
33.3%	0	473	473		0	474	474		0	474	474		0	474	474	
34.6%	0	473	473		0	474	474		0	474	474		0	474	474	
35.8%	0	472	472		0	474	474		0	474	474		0	474	474	
37.0%	0	471	471		0	474	474		0	474	474		0	474	474	
38.3%	0	471	471		0	474	474		0	474	474		0	471	471	
39.5%	0	471	471		0	474	474		0	474	474		0	471	471	
40.7%	0	470	470		0	474	474		0	474	474		0	471	471	
42.0%	0	470	470		0	474	474		0	474	474		0	471	471	
43.2%	0	469	469		0	474	474		0	474	474		0	471	471	
44.4%	0	468	468		0	474	474		0	474	474		0	471	471	
45.7%	0	467	467		0	474	474		0	474	474		0	471	471	
46.9%	0	464	464		0	474	474		0	472	472		0	471	471	
48.1%	0	464	464		0	474	474		0	472	472		0	469	469	
49.4%	0	461	461		0	474	474		0	472	472		0	469	469	
50.6%	0	460	460		0	474	474		0	469	469		0	467	467	
51.9%	0	459	459		0	474	474		0	468	468		0	466	466	
53.1%	0	456	456		0	472	472		0	468	468		0	466	466	
54.3%	0	454	454		0	471	471		0	468	468		0	465	465	
55.6%	0	452	452		0	468	468		0	468	468		0	465	465	
56.8%	0	449	449		0	468	468		0	467	467		0	465	465	
58.0%	0	449	449		0	468	468		0	466	466		0	464	464	
59.3%	0	448	448		0	467	467		0	466	466		0	463	463	
60.5%	0	446	446		0	466	466		0	466	466		0	463	463	
61.7%	0	446	446		0	466	466		0	466	466		0	463	463	
63.0%	0	445	445		0	463	463		0	464	464		0	461	461	
64.2%	0	445	445		0	462	462		0	464	464		0	461	461	
65.4%	0	443	443		0	462	462		0	463	463		0	459	459	
66.7%	0	441	441		0	460	460		0	459	459		0	458	458	
67.9%	0	441	441		0	459	459		0	459	459		0	458	458	
69.1%	0	439	439		0	458	458		0	456	456		0	456	456	
70.4%	0	438	438		0	455	455		0	455	455		0	454	454	
71.6%	0	437	437		0	455	455		0	452	452		0	451	451	
72.8%	0	434	434		0	453	453		0	451	451		0	451	451	
74.1%	0	432	432		0	452	452		0	451	451		0	450	450	
75.3%	0	432	432		0	451	451		0	450	450		0	448	448	
76.5%	0	431	431		0	448	448		0	450	450		0	444	444	
77.8%	0	428	428		0	446	446		0	447	447		0	442	442	
79.0%	0	420	420		0	442	442		0	447	447		0	442	442	
80.2%	0	418	418		0	438	438		0	446	446		0	440	440	
81.5%	0	414	414		0	432	432		0	444	444		0	438	438	
82.7%	0	413	413		0	430	430		0	440	440		0	437	437	
84.0%	0	413	413		0	424	424		0	423	423		0	412	412	
85.2%	0	411	411		0	421	421		0	415	415		0	409	409	
86.4%	0	410	410		0	418	418		0	411	411		0	406	406	
87.7%	0	405	405		0	414	414		0	409	409		0	395	395	
88.9%	0	397	397		0	406	406		0	406	406		0	394	394	
90.1%	0	387	387		0	402	402		0	402	402		0	385	385	
91.4%	0	386	386		0	401	401		0	401	401		0	385	385	
92.6%	0	385	385		0	395	395		0	400	400		0	380	380	
93.8%	0	377	377		0	388	388		0	390	390		0	379	379	
95.1%	0	374	374		0	384	384		0	381	381		0	378	378	
96.3%	0	363	363		0	378	378		0	370	370		0	369	369	
97.5%	0	344	344		0	374	374		0	363	363		0	348	348	
98.8%	0	342	342		0	370	370		0	355	355		0	347	347	
100.0%	0	342	342		0	363	363		0	349	349		0	342	342	

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Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	June: No Action Alternative End of Month Elevation (FEET)	June: Alternative A End of Month Elevation (FEET)	June: Absolute Difference (FEET)	June: Relative Difference (%)	July: No Action Alternative End of Month Elevation (FEET)	July: Alternative A End of Month Elevation (FEET)	July: Absolute Difference (FEET)	July: Relative Difference (%)	August: No Action Alternative End of Month Elevation (FEET)	August: Alternative A End of Month Elevation (FEET)	August: Absolute Difference (FEET)	August: Relative Difference (%)	September: No Action Alternative End of Month Elevation (FEET)	September: Alternative A End of Month Elevation (FEET)	September: Absolute Difference (FEET)	September: Relative Difference (%)
0.0%	0	474	474		0	474	474		0	474	474		0	474	474	
1.2%	0	474	474		0	474	474		0	474	474		0	474	474	
2.5%	0	474	474		0	474	474		0	474	474		0	471	471	
3.7%	0	474	474		0	473	473		0	473	473		0	468	468	
4.9%	0	474	474		0	472	472		0	470	470		0	467	467	
6.2%	0	474	474		0	470	470		0	470	470		0	467	467	
7.4%	0	474	474		0	470	470		0	469	469		0	466	466	
8.6%	0	474	474		0	470	470		0	468	468		0	457	457	
9.9%	0	474	474		0	469	469		0	464	464		0	456	456	
11.1%	0	474	474		0	469	469		0	464	464		0	456	456	
12.3%	0	474	474		0	468	468		0	463	463		0	455	455	
13.6%	0	473	473		0	467	467		0	463	463		0	452	452	
14.8%	0	473	473		0	466	466		0	463	463		0	452	452	
16.0%	0	473	473		0	465	465		0	463	463		0	451	451	
17.3%	0	473	473		0	465	465		0	457	457		0	450	450	
18.5%	0	473	473		0	465	465		0	457	457		0	448	448	
19.8%	0	473	473		0	464	464		0	456	456		0	447	447	
21.0%	0	473	473		0	463	463		0	456	456		0	446	446	
22.2%	0	473	473		0	462	462		0	456	456		0	446	446	
23.5%	0	472	472		0	462	462		0	456	456		0	445	445	
24.7%	0	472	472		0	462	462		0	455	455		0	445	445	
25.9%	0	472	472		0	461	461		0	454	454		0	445	445	
27.2%	0	472	472		0	460	460		0	454	454		0	444	444	
28.4%	0	472	472		0	460	460		0	454	454		0	444	444	
29.6%	0	471	471		0	460	460		0	453	453		0	444	444	
30.9%	0	471	471		0	458	458		0	453	453		0	443	443	
32.1%	0	471	471		0	457	457		0	451	451		0	443	443	
33.3%	0	471	471		0	456	456		0	450	450		0	443	443	
34.6%	0	471	471		0	456	456		0	450	450		0	443	443	
35.8%	0	469	469		0	455	455		0	450	450		0	442	442	
37.0%	0	465	465		0	455	455		0	449	449		0	441	441	
38.3%	0	465	465		0	454	454		0	449	449		0	440	440	
39.5%	0	464	464		0	454	454		0	448	448		0	439	439	
40.7%	0	464	464		0	453	453		0	448	448		0	438	438	
42.0%	0	464	464		0	453	453		0	445	445		0	438	438	
43.2%	0	464	464		0	453	453		0	445	445		0	437	437	
44.4%	0	464	464		0	452	452		0	441	441		0	437	437	
45.7%	0	463	463		0	452	452		0	440	440		0	436	436	
46.9%	0	463	463		0	451	451		0	440	440		0	436	436	
48.1%	0	463	463		0	449	449		0	440	440		0	434	434	
49.4%	0	462	462		0	448	448		0	440	440		0	433	433	
50.6%	0	462	462		0	448	448		0	440	440		0	433	433	
51.9%	0	461	461		0	448	448		0	439	439		0	432	432	
53.1%	0	461	461		0	447	447		0	439	439		0	431	431	
54.3%	0	460	460		0	447	447		0	439	439		0	430	430	
55.6%	0	459	459		0	445	445		0	438	438		0	430	430	
56.8%	0	459	459		0	443	443		0	437	437		0	429	429	
58.0%	0	458	458		0	443	443		0	437	437		0	428	428	
59.3%	0	458	458		0	443	443		0	435	435		0	428	428	
60.5%	0	457	457		0	442	442		0	434	434		0	425	425	
61.7%	0	457	457		0	442	442		0	433	433		0	425	425	
63.0%	0	456	456		0	441	441		0	432	432		0	424	424	
64.2%	0	451	451		0	439	439		0	431	431		0	423	423	
65.4%	0	451	451		0	439	439		0	429	429		0	422	422	
66.7%	0	449	449		0	438	438		0	426	426		0	417	417	
67.9%	0	448	448		0	436	436		0	426	426		0	416	416	
69.1%	0	447	447		0	431	431		0	421	421		0	416	416	
70.4%	0	446	446		0	431	431		0	420	420		0	415	415	
71.6%	0	445	445		0	430	430		0	420	420		0	415	415	
72.8%	0	440	440		0	428	428		0	420	420		0	409	409	
74.1%	0	440	440		0	427	427		0	419	419		0	408	408	
75.3%	0	439	439		0	425	425		0	414	414		0	407	407	
76.5%	0	439	439		0	424	424		0	414	414		0	406	406	
77.8%	0	437	437		0	424	424		0	413	413		0	403	403	
79.0%	0	435	435		0	416	416		0	411	411		0	402	402	
80.2%	0	434	434		0	415	415		0	404	404		0	393	393	
81.5%	0	432	432		0	414	414		0	403	403		0	392	392	
82.7%	0	425	425		0	413	413		0	400	400		0	389	389	
84.0%	0	411	411		0	395	395		0	382	382		0	367	367	
85.2%	0	394	394		0	393	393		0	380	380		0	365	365	
86.4%	0	394	394		0	392	392		0	379	379		0	364	364	
87.7%	0	393	393		0	383	383		0	368	368		0	351	351	
88.9%	0	391	391		0	381	381		0	365	365		0	350	350	
90.1%	0	384	384		0	379	379		0	363	363		0	347	347	
91.4%	0	380	380		0	377	377		0	361	361		0	346	346	
92.6%	0	370	370		0	352	352		0	344	344		0	346	346	
93.8%	0	369	369		0	350	350		0	344	344		0	344	344	
95.1%	0	363	363		0	346	346		0	344	344		0	344	344	
96.3%	0	352	352		0	342	342		0	342	342		0	344	344	
97.5%	0	347	347		0	342	342		0	342	342		0	342	342	
98.8%	0	346	346		0	342	342		0	342	342		0	342	342	
100.0%	0	342	342		0	342	342		0	342	342		0	342	342	

Table OP-11-3a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Area (ACRE)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	8,659	8,421	8,931	9,774	10,457	10,985	10,936	10,754	10,484	9,897	9,486	9,036
Difference	8,659	8,421	8,931	9,774	10,457	10,985	10,936	10,754	10,484	9,897	9,486	9,036
Percent Difference[3]												
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	10,401	10,031	10,627	11,358	11,823	12,002	12,030	12,005	11,897	11,417	11,230	10,780
Difference	10,401	10,031	10,627	11,358	11,823	12,002	12,030	12,005	11,897	11,417	11,230	10,780
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	9,993	9,695	10,340	10,100	11,030	11,732	11,886	11,911	11,691	11,016	10,673	10,238
Difference	9,993	9,695	10,340	10,100	11,030	11,732	11,886	11,911	11,691	11,016	10,673	10,238
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	9,070	8,885	9,251	9,655	10,414	11,187	11,409	11,379	11,067	10,223	9,711	9,387
Difference	9,070	8,885	9,251	9,655	10,414	11,187	11,409	11,379	11,067	10,223	9,711	9,387
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7,370	7,225	7,576	9,086	9,970	10,684	10,547	10,084	9,610	9,026	8,374	7,856
Difference	7,370	7,225	7,576	9,086	9,970	10,684	10,547	10,084	9,610	9,026	8,374	7,856
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	5,007	4,912	5,505	7,185	7,705	8,249	7,651	7,162	6,846	6,415	5,923	5,417
Difference	5,007	4,912	5,505	7,185	7,705	8,249	7,651	7,162	6,846	6,415	5,923	5,417
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-3b
Sites Reservoir, End of Month Area
Probability of Exceedance

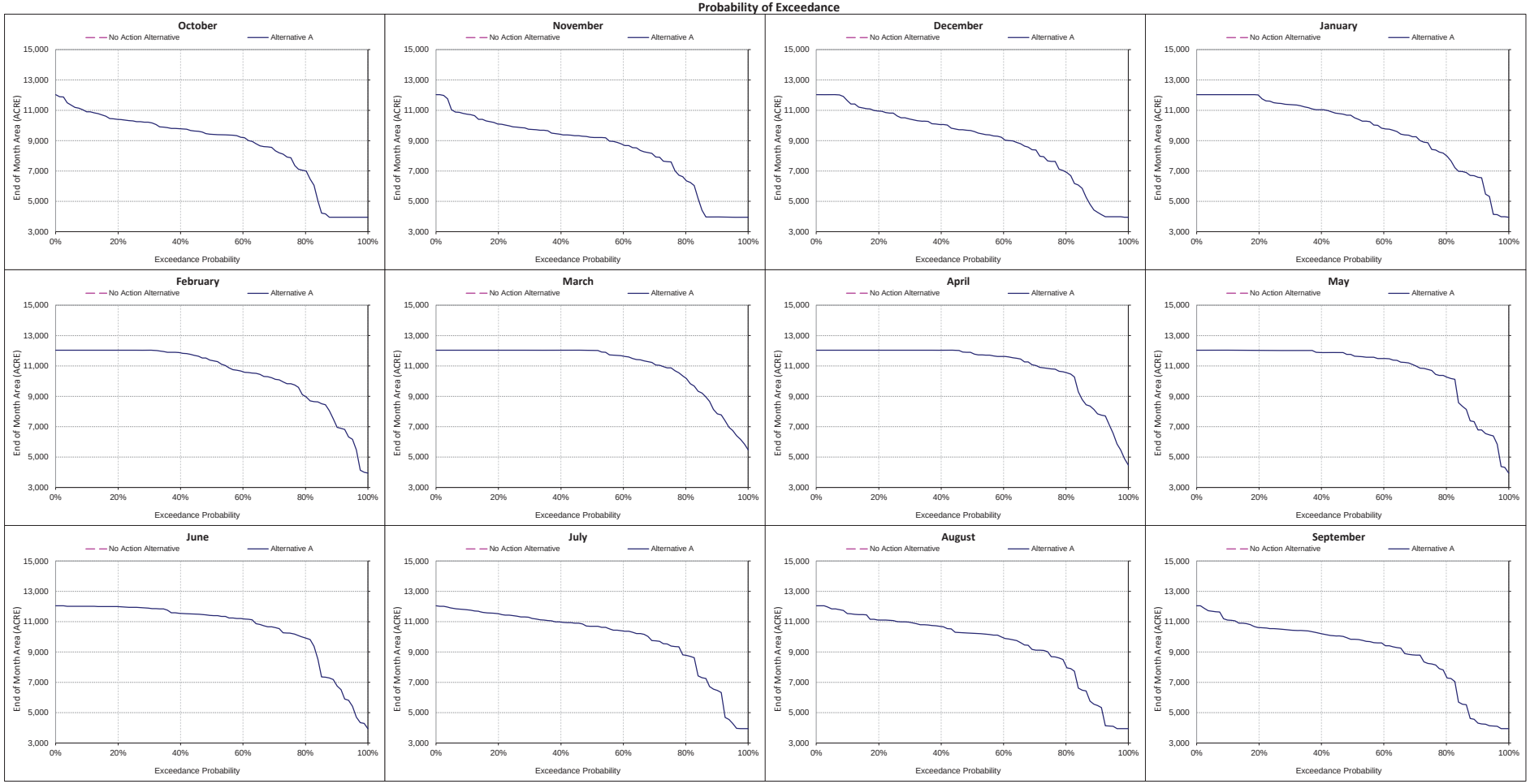

Table OP-11-3b

Sites Reservoir, End of Month Area
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041		0.0%	0	12,041	12,041		0.0%	0	12,041	12,041		0.0%	0	12,041	12,041	
1.2%	0	11,899	11,899		1.2%	0	12,041	12,041		1.2%	0	12,041	12,041		1.2%	0	12,041	12,041	
2.5%	0	11,881	11,881		2.5%	0	11,978	11,978		2.5%	0	12,041	12,041		2.5%	0	12,041	12,041	
3.7%	0	11,499	11,499		3.7%	0	11,760	11,760		3.7%	0	12,041	12,041		3.7%	0	12,041	12,041	
4.9%	0	11,352	11,352		4.9%	0	11,034	11,034		4.9%	0	12,041	12,041		4.9%	0	12,041	12,041	
6.2%	0	11,189	11,189		6.2%	0	10,886	10,886		6.2%	0	12,036	12,036		6.2%	0	12,041	12,041	
7.4%	0	11,145	11,145		7.4%	0	10,864	10,864		7.4%	0	12,022	12,022		7.4%	0	12,041	12,041	
8.6%	0	11,032	11,032		8.6%	0	10,799	10,799		8.6%	0	11,909	11,909		8.6%	0	12,041	12,041	
9.9%	0	10,899	10,899		9.9%	0	10,741	10,741		9.9%	0	11,646	11,646		9.9%	0	12,041	12,041	
11.1%	0	10,895	10,895		11.1%	0	10,707	10,707		11.1%	0	11,423	11,423		11.1%	0	12,041	12,041	
12.3%	0	10,826	10,826		12.3%	0	10,649	10,649		12.3%	0	11,415	11,415		12.3%	0	12,041	12,041	
13.6%	0	10,789	10,789		13.6%	0	10,411	10,411		13.6%	0	11,211	11,211		13.6%	0	12,041	12,041	
14.8%	0	10,703	10,703		14.8%	0	10,402	10,402		14.8%	0	11,161	11,161		14.8%	0	12,038	12,038	
16.0%	0	10,606	10,606		16.0%	0	10,306	10,306		16.0%	0	11,105	11,105		16.0%	0	12,036	12,036	
17.3%	0	10,460	10,460		17.3%	0	10,254	10,254		17.3%	0	11,088	11,088		17.3%	0	12,034	12,034	
18.5%	0	10,441	10,441		18.5%	0	10,202	10,202		18.5%	0	10,982	10,982		18.5%	0	12,026	12,026	
19.8%	0	10,405	10,405		19.8%	0	10,096	10,096		19.8%	0	10,947	10,947		19.8%	0	12,012	12,012	
21.0%	0	10,386	10,386		21.0%	0	10,079	10,079		21.0%	0	10,943	10,943		21.0%	0	11,766	11,766	
22.2%	0	10,360	10,360		22.2%	0	10,036	10,036		22.2%	0	10,852	10,852		22.2%	0	11,629	11,629	
23.5%	0	10,320	10,320		23.5%	0	9,976	9,976		23.5%	0	10,820	10,820		23.5%	0	11,598	11,598	
24.7%	0	10,306	10,306		24.7%	0	9,911	9,911		24.7%	0	10,810	10,810		24.7%	0	11,503	11,503	
25.9%	0	10,257	10,257		25.9%	0	9,894	9,894		25.9%	0	10,626	10,626		25.9%	0	11,460	11,460	
27.2%	0	10,254	10,254		27.2%	0	9,862	9,862		27.2%	0	10,514	10,514		27.2%	0	11,459	11,459	
28.4%	0	10,214	10,214		28.4%	0	9,841	9,841		28.4%	0	10,513	10,513		28.4%	0	11,405	11,405	
29.6%	0	10,210	10,210		29.6%	0	9,748	9,748		29.6%	0	10,433	10,433		29.6%	0	11,381	11,381	
30.9%	0	10,160	10,160		30.9%	0	9,738	9,738		30.9%	0	10,379	10,379		30.9%	0	11,371	11,371	
32.1%	0	10,055	10,055		32.1%	0	9,715	9,715		32.1%	0	10,329	10,329		32.1%	0	11,356	11,356	
33.3%	0	9,904	9,904		33.3%	0	9,691	9,691		33.3%	0	10,291	10,291		33.3%	0	11,300	11,300	
34.6%	0	9,886	9,886		34.6%	0	9,686	9,686		34.6%	0	10,282	10,282		34.6%	0	11,222	11,222	
35.8%	0	9,859	9,859		35.8%	0	9,654	9,654		35.8%	0	10,275	10,275		35.8%	0	11,178	11,178	
37.0%	0	9,803	9,803		37.0%	0	9,493	9,493		37.0%	0	10,117	10,117		37.0%	0	11,091	11,091	
38.3%	0	9,801	9,801		38.3%	0	9,468	9,468		38.3%	0	10,103	10,103		38.3%	0	11,048	11,048	
39.5%	0	9,786	9,786		39.5%	0	9,422	9,422		39.5%	0	10,070	10,070		39.5%	0	11,039	11,039	
40.7%	0	9,768	9,768		40.7%	0	9,387	9,387		40.7%	0	10,060	10,060		40.7%	0	11,035	11,035	
42.0%	0	9,747	9,747		42.0%	0	9,382	9,382		42.0%	0	10,034	10,034		42.0%	0	10,991	10,991	
43.2%	0	9,677	9,677		43.2%	0	9,354	9,354		43.2%	0	9,831	9,831		43.2%	0	10,909	10,909	
44.4%	0	9,643	9,643		44.4%	0	9,320	9,320		44.4%	0	9,771	9,771		44.4%	0	10,820	10,820	
45.7%	0	9,612	9,612		45.7%	0	9,319	9,319		45.7%	0	9,727	9,727		45.7%	0	10,789	10,789	
46.9%	0	9,560	9,560		46.9%	0	9,292	9,292		46.9%	0	9,714	9,714		46.9%	0	10,753	10,753	
48.1%	0	9,473	9,473		48.1%	0	9,284	9,284		48.1%	0	9,695	9,695		48.1%	0	10,686	10,686	
49.4%	0	9,411	9,411		49.4%	0	9,227	9,227		49.4%	0	9,677	9,677		49.4%	0	10,674	10,674	
50.6%	0	9,405	9,405		50.6%	0	9,216	9,216		50.6%	0	9,605	9,605		50.6%	0	10,506	10,506	
51.9%	0	9,404	9,404		51.9%	0	9,208	9,208		51.9%	0	9,491	9,491		51.9%	0	10,407	10,407	
53.1%	0	9,390	9,390		53.1%	0	9,207	9,207		53.1%	0	9,444	9,444		53.1%	0	10,291	10,291	
54.3%	0	9,375	9,375		54.3%	0	9,187	9,187		54.3%	0	9,395	9,395		54.3%	0	10,288	10,288	
55.6%	0	9,371	9,371		55.6%	0	8,964	8,964		55.6%	0	9,377	9,377		55.6%	0	10,255	10,255	
56.8%	0	9,343	9,343		56.8%	0	8,957	8,957		56.8%	0	9,314	9,314		56.8%	0	10,034	10,034	
58.0%	0	9,321	9,321		58.0%	0	8,885	8,885		58.0%	0	9,299	9,299		58.0%	0	10,015	10,015	
59.3%	0	9,220	9,220		59.3%	0	8,795	8,795		59.3%	0	9,230	9,230		59.3%	0	9,831	9,831	
60.5%	0	9,190	9,190		60.5%	0	8,672	8,672		60.5%	0	9,032	9,032		60.5%	0	9,776	9,776	
61.7%	0	9,005	9,005		61.7%	0	8,670	8,670		61.7%	0	8,994	8,994		61.7%	0	9,753	9,753	
63.0%	0	8,948	8,948		63.0%	0	8,537	8,537		63.0%	0	8,987	8,987		63.0%	0	9,695	9,695	
64.2%	0	8,792	8,792		64.2%	0	8,527	8,527		64.2%	0	8,885	8,885		64.2%	0	9,605	9,605	
65.4%	0	8,651	8,651		65.4%	0	8,356	8,356		65.4%	0	8,802	8,802		65.4%	0	9,433	9,433	
66.7%	0	8,612	8,612		66.7%	0	8,268	8,268		66.7%	0	8,645	8,645		66.7%	0	9,377	9,377	
67.9%	0	8,586	8,586		67.9%	0	8,214	8,214		67.9%	0	8,566	8,566		67.9%	0	9,356	9,356	
69.1%	0	8,563	8,563		69.1%	0	8,171	8,171		69.1%	0	8,396	8,396		69.1%	0	9,256	9,256	
70.4%	0	8,332	8,332		70.4%	0	7,916	7,916		70.4%	0	8,385	8,385		70.4%	0	9,250	9,250	
71.6%	0	8,198	8,198		71.6%	0	7,908	7,908		71.6%	0	7,971	7,971		71.6%	0	8,994	8,994	
72.8%	0	8,118	8,118		72.8%	0	7,644	7,644		72.8%	0	7,943	7,943		72.8%	0	8,899	8,899	
74.1%	0	7,930	7,930		74.1%	0	7,613	7,613		74.1%	0	7,665	7,665		74.1%	0	8,870	8,870	
75.3%	0	7,869	7,869		75.3%	0	7,601	7,601		75.3%	0	7,638	7,638		75.3%	0	8,428	8,428	
76.5%	0	7,354	7,354		76.5%	0	7,016	7,016		76.5%	0	7,626	7,626		76.5%	0	8,385	8,385	
77.8%	0	7,119	7,119		77.8%	0	6,728	6,728		77.8%	0	7,123	7,123		77.8%	0	8,243	8,243	
79.0%	0	7,042	7,042		79.0%	0	6,616	6,616		79.0%	0	7,039	7,039		79.0%	0	8,174	8,174	
80.2%	0	7,004	7,004		80.2%	0	6,347	6,347		80.2%	0	6,891	6,891		80.2%	0	7,971	7,971	
81.5%	0	6,465	6,465		81.5%	0	6,252	6,252		81.5%	0	6,697	6,697		81.5%	0	7,665	7,665	
82.7%	0	6,062	6,062		82.7%	0	6,041	6,041		82.7%	0	6,181	6,181		82.7%	0	7,219	7,219	
84.0%	0	5,031	5,031		84.0%	0	5,188	5,188		84.0%	0	6,066	6,066		84.0%	0	6,977	6,977	
85.2%	0	4,230	4,230		85.2%	0	4,409	4,409		85.2%	0	5,859	5,859		85.2%	0	6,971	6,971	
86.4%	0	4,174	4,174		86.4%	0	3,965	3,965		86.4%	0	5,264	5,264		86.4%	0	6,891	6,891	
87.7%	0	3,950	3,950		87.7%	0	3,963	3,963		87.7%	0	4,810	4,810		87.7%	0	6,710	6,710	
88.9%	0	3,950	3,950		88.9%	0	3,963	3,963		88.9%	0	4,438	4,438		88.9%	0	6,697	6,697	
90.1%	0	3,950	3,950		90.1%	0	3,963	3,963		90.1%	0	4,275	4,275		90.1%	0	6,587	6,587	
91.4%	0	3,950	3,950		91.4%	0	3,963	3,963		91.4%	0	4,127	4,127		91.4%	0	6,553	6,553	
92.6%	0	3,950	3,950		92.6%	0	3,963	3,963		92.6%	0	3,990	3,990		92.6%	0	5,472	5,472	
93.8%	0	3,950	3,950		93.8%	0	3,950	3,950		93.8%	0	3,989	3,989		93.8%	0	5,318	5,318	
95.1%	0	3,950	3,950		95.1%	0	3,950	3,950		95.1%	0	3,989	3,989		95.1%	0	4,132	4,132	
96.3%	0	3,950	3,950		96.3%	0	3,950	3,950		96.3%	0	3,989	3,989		96.3%	0	4,127	4,127	
97.5%	0	3,950	3,950		97.5%	0	3,950	3,950		97.5%	0	3,989	3,989		97.5%	0	3,989	3,989	
98.8%	0	3,950	3,950		98.8%	0	3,950	3,950		98.8%	0	3,950	3,950		98.8%	0	3,989	3,989	
100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950	

Table OP-11-3b
Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
1.2%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
2.5%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
3.7%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
4.9%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
6.2%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
7.4%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
8.6%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
9.9%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
11.1%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
12.3%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
13.6%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
14.8%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
16.0%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
17.3%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
18.5%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
19.8%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
21.0%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
22.2%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
23.5%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
24.7%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
25.9%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
27.2%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
28.4%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
29.6%	0	12,038	12,038		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
30.9%	0	12,036	12,036		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
32.1%	0	12,026	12,026		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
33.3%	0	11,994	11,994		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
34.6%	0	11,955	11,955		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
35.8%	0	11,898	11,898		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
37.0%	0	11,897	11,897		0	12,041	12,041		0	12,041	12,041		0	12,020	12,020	
38.3%	0	11,894	11,894		0	12,041	12,041		0	12,041	12,041		0	11,897	11,897	
39.5%	0	11,889	11,889		0	12,041	12,041		0	12,041	12,041		0	11,889	11,889	
40.7%	0	11,829	11,829		0	12,041	12,041		0	12,041	12,041		0	11,883	11,883	
42.0%	0	11,812	11,812		0	12,041	12,041		0	12,041	12,041		0	11,883	11,883	
43.2%	0	11,766	11,766		0	12,041	12,041		0	12,041	12,041		0	11,883	11,883	
44.4%	0	11,700	11,700		0	12,041	12,041		0	12,041	12,041		0	11,883	11,883	
45.7%	0	11,653	11,653		0	12,041	12,041		0	12,026	12,026		0	11,883	11,883	
46.9%	0	11,522	11,522		0	12,038	12,038		0	11,917	11,917		0	11,883	11,883	
48.1%	0	11,520	11,520		0	12,038	12,038		0	11,904	11,904		0	11,773	11,773	
49.4%	0	11,386	11,386		0	12,036	12,036		0	11,899	11,899		0	11,760	11,760	
50.6%	0	11,340	11,340		0	12,026	12,026		0	11,786	11,786		0	11,647	11,647	
51.9%	0	11,280	11,280		0	12,014	12,014		0	11,730	11,730		0	11,627	11,627	
53.1%	0	11,114	11,114		0	11,917	11,917		0	11,724	11,724		0	11,612	11,612	
54.3%	0	11,024	11,024		0	11,897	11,897		0	11,722	11,722		0	11,579	11,579	
55.6%	0	10,882	10,882		0	11,730	11,730		0	11,721	11,721		0	11,575	11,575	
56.8%	0	10,753	10,753		0	11,722	11,722		0	11,660	11,660		0	11,573	11,573	
58.0%	0	10,724	10,724		0	11,700	11,700		0	11,634	11,634		0	11,497	11,497	
59.3%	0	10,662	10,662		0	11,681	11,681		0	11,632	11,632		0	11,493	11,493	
60.5%	0	10,590	10,590		0	11,632	11,632		0	11,621	11,621		0	11,491	11,491	
61.7%	0	10,573	10,573		0	11,602	11,602		0	11,599	11,599		0	11,468	11,468	
63.0%	0	10,530	10,530		0	11,491	11,491		0	11,537	11,537		0	11,381	11,381	
64.2%	0	10,522	10,522		0	11,419	11,419		0	11,516	11,516		0	11,373	11,373	
65.4%	0	10,446	10,446		0	11,406	11,406		0	11,460	11,460		0	11,250	11,250	
66.7%	0	10,308	10,308		0	11,335	11,335		0	11,276	11,276		0	11,237	11,237	
67.9%	0	10,291	10,291		0	11,280	11,280		0	11,272	11,272		0	11,207	11,207	
69.1%	0	10,223	10,223		0	11,227	11,227		0	11,086	11,086		0	11,100	11,100	
70.4%	0	10,124	10,124		0	11,069	11,069		0	11,037	11,037		0	11,000	11,000	
71.6%	0	10,081	10,081		0	11,038	11,038		0	10,907	10,907		0	10,859	10,859	
72.8%	0	9,945	9,945		0	10,956	10,956		0	10,867	10,867		0	10,846	10,846	
74.1%	0	9,831	9,831		0	10,882	10,882		0	10,845	10,845		0	10,771	10,771	
75.3%	0	9,827	9,827		0	10,867	10,867		0	10,799	10,799		0	10,699	10,699	
76.5%	0	9,753	9,753		0	10,683	10,683		0	10,792	10,792		0	10,449	10,449	
77.8%	0	9,592	9,592		0	10,554	10,554		0	10,658	10,658		0	10,377	10,377	
79.0%	0	9,106	9,106		0	10,348	10,348		0	10,611	10,611		0	10,375	10,375	
80.2%	0	8,955	8,955		0	10,174	10,174		0	10,554	10,554		0	10,263	10,263	
81.5%	0	8,708	8,708		0	9,831	9,831		0	10,470	10,470		0	10,172	10,172	
82.7%	0	8,644	8,644		0	9,676	9,676		0	10,283	10,283		0	10,115	10,115	
84.0%	0	8,630	8,630		0	9,329	9,329		0	9,302	9,302		0	8,573	8,573	
85.2%	0	8,516	8,516		0	9,206	9,206		0	8,788	8,788		0	8,344	8,344	
86.4%	0	8,441	8,441		0	8,955	8,955		0	8,449	8,449		0	8,143	8,143	
87.7%	0	8,054	8,054		0	8,670	8,670		0	8,361	8,361		0	7,376	7,376	
88.9%	0	7,524	7,524		0	8,139	8,139		0	8,140	8,140		0	7,325	7,325	
90.1%	0	6,950	6,950		0	7,850	7,850		0	7,850	7,850		0	6,791	6,791	
91.4%	0	6,891	6,891		0	7,784	7,784		0	7,765	7,765		0	6,787	6,787	
92.6%	0	6,814	6,814		0	7,383	7,383		0	7,714	7,714		0	6,541	6,541	
93.8%	0	6,320	6,320		0	6,964	6,964		0	7,124	7,124		0	6,464	6,464	
95.1%	0	6,166	6,166		0	6,749	6,749		0	6,563	6,563		0	6,392	6,392	
96.3%	0	5,472	5,472		0	6,414	6,414		0	5,864	5,864		0	5,839	5,839	
97.5%	0	4,132	4,132		0	6,166	6,166		0	5,472	5,472		0	4,372	4,372	
98.8%	0	3,989	3,989		0	5,864	5,864		0	4,877	4,877		0	4,326	4,326	
100.0%	0	3,950	3,950		0	5,472	5,472		0	4,451	4,451		0	3,950	3,950	

Table OP-11-3b

Sites Reservoir, End of Month Area

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041		0	12,041	12,041		0	12,041	12,041		0	12,041	12,041	
1.2%	0	12,041	12,041		0	12,009	12,009		0	12,041	12,041		0	12,041	12,041	
2.5%	0	12,041	12,041		0	12,005	12,005		0	12,041	12,041		0	11,883	11,883	
3.7%	0	12,015	12,015		0	11,959	11,959		0	11,957	11,957		0	11,729	11,729	
4.9%	0	12,015	12,015		0	11,915	11,915		0	11,841	11,841		0	11,692	11,692	
6.2%	0	12,015	12,015		0	11,843	11,843		0	11,837	11,837		0	11,656	11,656	
7.4%	0	12,015	12,015		0	11,817	11,817		0	11,792	11,792		0	11,635	11,635	
8.6%	0	12,015	12,015		0	11,813	11,813		0	11,737	11,737		0	11,184	11,184	
9.9%	0	12,015	12,015		0	11,790	11,790		0	11,540	11,540		0	11,099	11,099	
11.1%	0	12,005	12,005		0	11,759	11,759		0	11,519	11,519		0	11,089	11,089	
12.3%	0	12,005	12,005		0	11,707	11,707		0	11,491	11,491		0	11,057	11,057	
13.6%	0	11,995	11,995		0	11,686	11,686		0	11,467	11,467		0	10,904	10,904	
14.8%	0	11,995	11,995		0	11,624	11,624		0	11,458	11,458		0	10,896	10,896	
16.0%	0	11,995	11,995		0	11,591	11,591		0	11,451	11,451		0	10,865	10,865	
17.3%	0	11,995	11,995		0	11,561	11,561		0	11,164	11,164		0	10,794	10,794	
18.5%	0	11,995	11,995		0	11,558	11,558		0	11,156	11,156		0	10,680	10,680	
19.8%	0	11,990	11,990		0	11,539	11,539		0	11,108	11,108		0	10,612	10,612	
21.0%	0	11,985	11,985		0	11,465	11,465		0	11,105	11,105		0	10,602	10,602	
22.2%	0	11,968	11,968		0	11,433	11,433		0	11,104	11,104		0	10,567	10,567	
23.5%	0	11,948	11,948		0	11,428	11,428		0	11,094	11,094		0	10,549	10,549	
24.7%	0	11,942	11,942		0	11,402	11,402		0	11,063	11,063		0	10,547	10,547	
25.9%	0	11,941	11,941		0	11,361	11,361		0	11,008	11,008		0	10,522	10,522	
27.2%	0	11,926	11,926		0	11,314	11,314		0	10,990	10,990		0	10,490	10,490	
28.4%	0	11,911	11,911		0	11,303	11,303		0	10,984	10,984		0	10,486	10,486	
29.6%	0	11,890	11,890		0	11,293	11,293		0	10,973	10,973		0	10,460	10,460	
30.9%	0	11,862	11,862		0	11,202	11,202		0	10,923	10,923		0	10,420	10,420	
32.1%	0	11,858	11,858		0	11,173	11,173		0	10,868	10,868		0	10,417	10,417	
33.3%	0	11,848	11,848		0	11,114	11,114		0	10,797	10,797		0	10,413	10,413	
34.6%	0	11,848	11,848		0	11,112	11,112		0	10,789	10,789		0	10,409	10,409	
35.8%	0	11,760	11,760		0	11,077	11,077		0	10,780	10,780		0	10,381	10,381	
37.0%	0	11,592	11,592		0	11,056	11,056		0	10,749	10,749		0	10,340	10,340	
38.3%	0	11,587	11,587		0	10,986	10,986		0	10,732	10,732		0	10,284	10,284	
39.5%	0	11,544	11,544		0	10,978	10,978		0	10,691	10,691		0	10,230	10,230	
40.7%	0	11,538	11,538		0	10,959	10,959		0	10,668	10,668		0	10,168	10,168	
42.0%	0	11,518	11,518		0	10,940	10,940		0	10,533	10,533		0	10,122	10,122	
43.2%	0	11,514	11,514		0	10,938	10,938		0	10,529	10,529		0	10,073	10,073	
44.4%	0	11,509	11,509		0	10,902	10,902		0	10,307	10,307		0	10,069	10,069	
45.7%	0	11,490	11,490		0	10,898	10,898		0	10,280	10,280		0	10,061	10,061	
46.9%	0	11,462	11,462		0	10,856	10,856		0	10,273	10,273		0	10,025	10,025	
48.1%	0	11,456	11,456		0	10,716	10,716		0	10,248	10,248		0	9,943	9,943	
49.4%	0	11,413	11,413		0	10,702	10,702		0	10,242	10,242		0	9,839	9,839	
50.6%	0	11,394	11,394		0	10,696	10,696		0	10,239	10,239		0	9,835	9,835	
51.9%	0	11,392	11,392		0	10,688	10,688		0	10,213	10,213		0	9,818	9,818	
53.1%	0	11,346	11,346		0	10,624	10,624		0	10,205	10,205		0	9,774	9,774	
54.3%	0	11,339	11,339		0	10,623	10,623		0	10,178	10,178		0	9,694	9,694	
55.6%	0	11,249	11,249		0	10,532	10,532		0	10,147	10,147		0	9,688	9,688	
56.8%	0	11,240	11,240		0	10,433	10,433		0	10,117	10,117		0	9,624	9,624	
58.0%	0	11,212	11,212		0	10,430	10,430		0	10,116	10,116		0	9,607	9,607	
59.3%	0	11,211	11,211		0	10,402	10,402		0	9,988	9,988		0	9,594	9,594	
60.5%	0	11,168	11,168		0	10,375	10,375		0	9,893	9,893		0	9,417	9,417	
61.7%	0	11,152	11,152		0	10,375	10,375		0	9,848	9,848		0	9,410	9,410	
63.0%	0	11,130	11,130		0	10,306	10,306		0	9,800	9,800		0	9,341	9,341	
64.2%	0	10,858	10,858		0	10,214	10,214		0	9,747	9,747		0	9,295	9,295	
65.4%	0	10,821	10,821		0	10,212	10,212		0	9,623	9,623		0	9,257	9,257	
66.7%	0	10,733	10,733		0	10,161	10,161		0	9,470	9,470		0	8,889	8,889	
67.9%	0	10,661	10,661		0	10,029	10,029		0	9,447	9,447		0	8,840	8,840	
69.1%	0	10,656	10,656		0	9,750	9,750		0	9,169	9,169		0	8,811	8,811	
70.4%	0	10,603	10,603		0	9,736	9,736		0	9,127	9,127		0	8,800	8,800	
71.6%	0	10,543	10,543		0	9,695	9,695		0	9,115	9,115		0	8,795	8,795	
72.8%	0	10,263	10,263		0	9,553	9,553		0	9,110	9,110		0	8,349	8,349	
74.1%	0	10,255	10,255		0	9,530	9,530		0	9,022	9,022		0	8,242	8,242	
75.3%	0	10,233	10,233		0	9,386	9,386		0	8,700	8,700		0	8,205	8,205	
76.5%	0	10,181	10,181		0	9,351	9,351		0	8,676	8,676		0	8,135	8,135	
77.8%	0	10,071	10,071		0	9,340	9,340		0	8,600	8,600		0	7,900	7,900	
79.0%	0	9,994	9,994		0	8,815	8,815		0	8,502	8,502		0	7,824	7,824	
80.2%	0	9,908	9,908		0	8,772	8,772		0	7,956	7,956		0	7,280	7,280	
81.5%	0	9,824	9,824		0	8,713	8,713		0	7,896	7,896		0	7,255	7,255	
82.7%	0	9,380	9,380		0	8,631	8,631		0	7,735	7,735		0	7,054	7,054	
84.0%	0	8,517	8,517		0	7,433	7,433		0	6,620	6,620		0	5,688	5,688	
85.2%	0	7,361	7,361		0	7,302	7,302		0	6,487	6,487		0	5,565	5,565	
86.4%	0	7,345	7,345		0	7,251	7,251		0	6,424	6,424		0	5,529	5,529	
87.7%	0	7,294	7,294		0	6,719	6,719		0	5,765	5,765		0	4,624	4,624	
88.9%	0	7,185	7,185		0	6,545	6,545		0	5,551	5,551		0	4,563	4,563	
90.1%	0	6,758	6,758		0	6,466	6,466		0	5,465	5,465		0	4,302	4,302	
91.4%	0	6,513	6,513		0	6,335	6,335		0	5,335	5,335		0	4,263	4,263	
92.6%	0	5,892	5,892		0	4,685	4,685		0	4,140	4,140		0	4,232	4,232	
93.8%	0	5,809	5,809		0	4,556	4,556		0	4,122	4,122		0	4,140	4,140	
95.1%	0	5,429	5,429		0	4,288	4,288		0	4,101	4,101		0	4,114	4,114	
96.3%	0	4,706	4,706		0	3,971	3,971		0	3,950	3,950		0	4,098	4,098	
97.5%	0	4,337	4,337		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
98.8%	0	4,291	4,291		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
100.0%	0	3,950	3,950		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	

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Alternative B Compared to No Action Alternative

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Table OP-01-5a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Diversion (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative B	106	120	755	1,372	1,529	1,477	581	633	685	668	673	97
Difference	-4	113	755	1,372	1,527	1,464	448	221	-64	-143	12	-53
Percent Difference[3]	-3.6%							53.5%	-8.5%	-17.6%	1.9%	-35.4%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative B	95	136	975	1,715	1,646	1,495	921	958	996	1,084	1,045	97
Difference	-51	128	975	1,715	1,646	1,485	781	353	-86	-127	85	-130
Percent Difference	-34.7%							58.3%	-7.9%	-10.5%	8.8%	-57.2%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative B	226	186	1,080	1,842	2,113	2,122	955	1,129	1,011	767	800	153
Difference	112	183	1,080	1,842	2,113	2,115	786	545	-41	-354	-76	-49
Percent Difference	98.6%							93.2%	-3.9%	-31.6%	-8.6%	-24.2%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative B	98	95	606	1,533	1,542	1,716	465	525	628	515	549	101
Difference	-6	90	606	1,533	1,541	1,693	318	162	-17	-190	-6	-3
Percent Difference	-5.5%							44.9%	-2.7%	-26.9%	-1.2%	-2.5%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative B	83	118	464	998	1,430	1,338	275	271	405	408	394	86
Difference	-12	112	464	998	1,426	1,328	149	19	-89	-67	7	-6
Percent Difference	-12.9%						117.0%	7.7%	-18.1%	-14.1%	1.8%	-6.4%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative B	54	52	566	530	824	720	61	106	172	238	304	48
Difference	-4	40	566	530	818	706	-10	-19	-56	-24	-27	-18
Percent Difference	-7.4%						-14.6%	-15.3%	-24.5%	-9.0%	-8.2%	-27.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-5b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

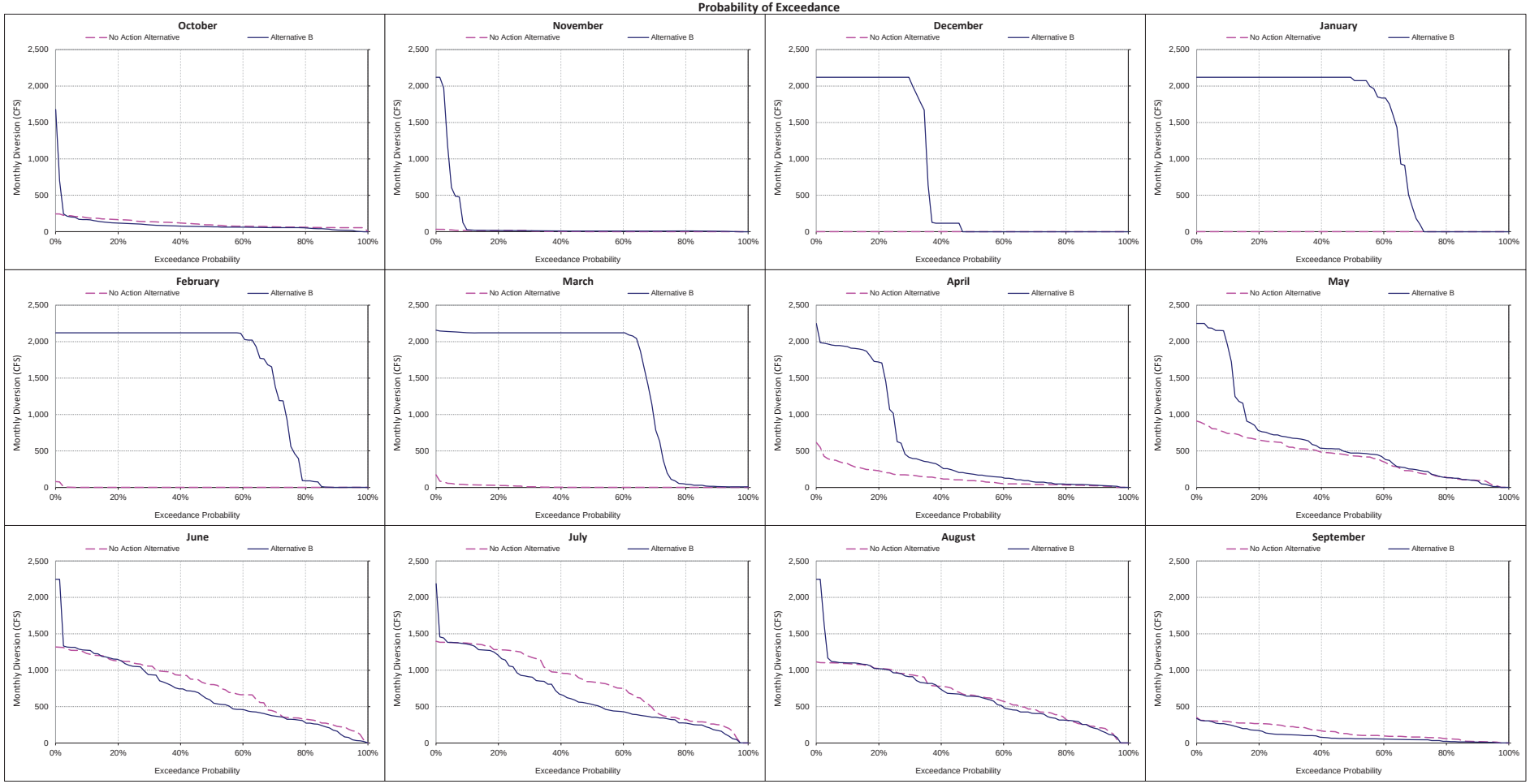


Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	1,680	1,436	588.5%	0.0%	33	2,121	2,088		0.0%	0	2,121	2,121		0.0%	0	2,121	2,121	
1.2%	243	696	453	186.3%	1.2%	32	2,121	2,089		1.2%	0	2,121	2,121		1.2%	0	2,121	2,121	
2.5%	225	243	18	8.2%	2.5%	31	1,975	1,943		2.5%	0	2,121	2,121		2.5%	0	2,121	2,121	
3.7%	220	211	-9	-4.2%	3.7%	26	1,184	1,158		3.7%	0	2,121	2,121		3.7%	0	2,121	2,121	
4.9%	218	202	-16	-7.4%	4.9%	25	605	581		4.9%	0	2,121	2,121		4.9%	0	2,121	2,121	
6.2%	208	198	-9	-4.5%	6.2%	19	486	467		6.2%	0	2,121	2,121		6.2%	0	2,121	2,121	
7.4%	207	168	-39	-18.7%	7.4%	18	475	458		7.4%	0	2,121	2,121		7.4%	0	2,121	2,121	
8.6%	202	167	-35	-17.5%	8.6%	18	122	104	583.9%	8.6%	0	2,121	2,121		8.6%	0	2,121	2,121	
9.9%	192	166	-26	-13.4%	9.9%	18	26	8	48.0%	9.9%	0	2,121	2,121		9.9%	0	2,121	2,121	
11.1%	187	164	-23	-12.2%	11.1%	17	24	7	39.7%	11.1%	0	2,121	2,121		11.1%	0	2,121	2,121	
12.3%	185	147	-38	-20.6%	12.3%	17	18	1	4.5%	12.3%	0	2,121	2,121		12.3%	0	2,121	2,121	
13.6%	184	144	-40	-22.0%	13.6%	17	18	1	4.9%	13.6%	0	2,121	2,121		13.6%	0	2,121	2,121	
14.8%	176	134	-42	-23.7%	14.8%	17	18	1	4.3%	14.8%	0	2,121	2,121		14.8%	0	2,121	2,121	
16.0%	174	125	-49	-27.9%	16.0%	17	18	1	3.6%	16.0%	0	2,121	2,121		16.0%	0	2,121	2,121	
17.3%	172	124	-48	-27.8%	17.3%	17	17	0	1.0%	17.3%	0	2,121	2,121		17.3%	0	2,121	2,121	
18.5%	169	123	-46	-27.3%	18.5%	17	17	0	0.0%	18.5%	0	2,121	2,121		18.5%	0	2,121	2,121	
19.8%	165	118	-48	-28.7%	19.8%	17	17	0	0.0%	19.8%	0	2,121	2,121		19.8%	0	2,121	2,121	
21.0%	163	115	-49	-29.9%	21.0%	17	17	0	0.0%	21.0%	0	2,121	2,121		21.0%	0	2,121	2,121	
22.2%	161	114	-48	-29.6%	22.2%	17	17	0	0.0%	22.2%	0	2,121	2,121		22.2%	0	2,121	2,121	
23.5%	159	113	-46	-28.9%	23.5%	17	17	0	0.0%	23.5%	0	2,121	2,121		23.5%	0	2,121	2,121	
24.7%	154	109	-45	-29.4%	24.7%	17	17	0	0.0%	24.7%	0	2,121	2,121		24.7%	0	2,121	2,121	
25.9%	144	105	-39	-27.2%	25.9%	17	15	-2	-11.0%	25.9%	0	2,121	2,121		25.9%	0	2,121	2,121	
27.2%	140	104	-36	-25.5%	27.2%	17	15	-2	-12.4%	27.2%	0	2,121	2,121		27.2%	0	2,121	2,121	
28.4%	138	99	-39	-28.2%	28.4%	17	14	-3	-20.5%	28.4%	0	2,121	2,121		28.4%	0	2,121	2,121	
29.6%	136	93	-43	-31.6%	29.6%	17	13	-4	-23.6%	29.6%	0	2,121	2,121		29.6%	0	2,121	2,121	
30.9%	136	90	-46	-34.1%	30.9%	9	12	4	45.9%	30.9%	0	1,994	1,994		30.9%	0	2,121	2,121	
32.1%	134	88	-47	-34.7%	32.1%	7	12	5	75.8%	32.1%	0	1,893	1,893		32.1%	0	2,121	2,121	
33.3%	130	87	-43	-33.3%	33.3%	7	11	5	73.0%	33.3%	0	1,778	1,778		33.3%	0	2,121	2,121	
34.6%	129	83	-46	-36.0%	34.6%	4	11	7	197.8%	34.6%	0	1,672	1,672		34.6%	0	2,121	2,121	
35.8%	129	80	-49	-38.0%	35.8%	4	11	7	192.1%	35.8%	0	640	640		35.8%	0	2,121	2,121	
37.0%	126	79	-46	-36.8%	37.0%	3	10	7	214.8%	37.0%	0	128	128		37.0%	0	2,121	2,121	
38.3%	124	79	-44	-35.8%	38.3%	3	10	7	264.5%	38.3%	0	114	114		38.3%	0	2,121	2,121	
39.5%	122	77	-45	-37.0%	39.5%	3	10	7	279.8%	39.5%	0	114	114		39.5%	0	2,121	2,121	
40.7%	117	77	-41	-34.7%	40.7%	2	9	7	289.1%	40.7%	0	114	114		40.7%	0	2,121	2,121	
42.0%	114	73	-41	-35.9%	42.0%	2	9	7	351.5%	42.0%	0	114	114		42.0%	0	2,121	2,121	
43.2%	111	73	-38	-34.3%	43.2%	2	8	7	335.9%	43.2%	0	114	114		43.2%	0	2,121	2,121	
44.4%	108	72	-36	-33.5%	44.4%	1	8	7	480.8%	44.4%	0	114	114		44.4%	0	2,121	2,121	
45.7%	104	70	-35	-33.4%	45.7%	1	8	7	615.8%	45.7%	0	114	114		45.7%	0	2,121	2,121	
46.9%	97	69	-28	-29.2%	46.9%	0	8	8		46.9%	0	0	0		46.9%	0	2,121	2,121	
48.1%	94	67	-27	-28.7%	48.1%	0	8	8		48.1%	0	0	0		48.1%	0	2,121	2,121	
49.4%	94	67	-27	-28.7%	49.4%	0	8	8		49.4%	0	0	0		49.4%	0	2,121	2,121	
50.6%	91	66	-25	-27.8%	50.6%	0	8	8		50.6%	0	0	0		50.6%	0	2,074	2,074	
51.9%	88	66	-22	-25.2%	51.9%	0	8	8		51.9%	0	0	0		51.9%	0	2,074	2,074	
53.1%	86	63	-23	-26.4%	53.1%	0	8	8		53.1%	0	0	0		53.1%	0	2,074	2,074	
54.3%	79	63	-16	-20.2%	54.3%	0	8	8		54.3%	0	0	0		54.3%	0	2,074	2,074	
55.6%	78	63	-15	-19.3%	55.6%	0	8	8		55.6%	0	0	0		55.6%	0	1,994	1,994	
56.8%	76	63	-13	-17.5%	56.8%	0	8	8		56.8%	0	0	0		56.8%	0	1,964	1,964	
58.0%	75	63	-12	-16.3%	58.0%	0	8	8		58.0%	0	0	0		58.0%	0	1,850	1,850	
59.3%	75	61	-13	-17.8%	59.3%	0	8	8		59.3%	0	0	0		59.3%	0	1,835	1,835	
60.5%	74	61	-13	-17.8%	60.5%	0	8	8		60.5%	0	0	0		60.5%	0	1,835	1,835	
61.7%	74	60	-14	-18.5%	61.7%	0	8	8		61.7%	0	0	0		61.7%	0	1,755	1,755	
63.0%	74	60	-14	-18.4%	63.0%	0	8	8		63.0%	0	0	0		63.0%	0	1,603	1,603	
64.2%	72	59	-12	-17.0%	64.2%	0	8	8		64.2%	0	0	0		64.2%	0	1,432	1,432	
65.4%	71	59	-12	-17.1%	65.4%	0	8	8		65.4%	0	0	0		65.4%	0	928	928	
66.7%	71	57	-14	-19.7%	66.7%	0	8	8		66.7%	0	0	0		66.7%	0	912	912	
67.9%	69	57	-12	-17.6%	67.9%	0	8	8		67.9%	0	0	0		67.9%	0	506	506	
69.1%	67	56	-10	-15.2%	69.1%	0	8	8		69.1%	0	0	0		69.1%	0	331	331	
70.4%	65	56	-9	-14.0%	70.4%	0	8	8		70.4%	0	0	0		70.4%	0	182	182	
71.6%	64	56	-8	-13.2%	71.6%	0	8	8		71.6%	0	0	0		71.6%	0	99	99	
72.8%	63	55	-8	-12.7%	72.8%	0	8	8		72.8%	0	0	0		72.8%	0	0	0	
74.1%	63	54	-9	-14.2%	74.1%	0	8	8		74.1%	0	0	0		74.1%	0	0	0	
75.3%	62	54	-8	-13.0%	75.3%	0	8	8		75.3%	0	0	0		75.3%	0	0	0	
76.5%	62	54	-8	-12.6%	76.5%	0	8	8		76.5%	0	0	0		76.5%	0	0	0	
77.8%	62	54	-8	-12.5%	77.8%	0	8	8		77.8%	0	0	0		77.8%	0	0	0	
79.0%	61	53	-8	-13.5%	79.0%	0	8	8		79.0%	0	0	0		79.0%	0	0	0	
80.2%	59	52	-8	-12.9%	80.2%	0	8	8		80.2%	0	0	0		80.2%	0	0	0	
81.5%	59	47	-12	-20.6%	81.5%	0	8	8		81.5%	0	0	0		81.5%	0	0	0	
82.7%	57	43	-15	-25.7%	82.7%	0	8	8		82.7%	0	0	0		82.7%	0	0	0	
84.0%	57	42	-15	-26.4%	84.0%	0	8	8		84.0%	0	0	0		84.0%	0	0	0	
85.2%	56	39	-17	-30.3%	85.2%	0	8	8		85.2%	0	0	0		85.2%	0	0	0	
86.4%	56	37	-19	-34.4%	86.4%	0	8	8		86.4%	0	0	0		86.4%	0	0	0	
87.7%	56	34	-22	-39.7%	87.7%	0	8	8		87.7%	0	0	0		87.7%	0	0	0	
88.9%	56	22	-34	-60.7%	88.9%	0	8	8		88.9%	0	0	0		88.9%	0	0	0	
90.1%	55	22	-33	-60.6%	90.1%	0	8	8		90.1%	0	0	0		90.1%	0	0	0	
91.4%	54	22	-33	-60.1%	91.4%	0	5	5		91.4%	0	0	0		91.4%	0	0	0	
92.6%	54	20	-34	-63.4%	92.6%	0	4	4		92.6%	0	0	0		92.6%	0	0	0	
93.8%	54	18	-36	-67.3%	93.8%	0	4	4		93.8%	0	0	0		93.8%	0	0	0	
95.1%	54	17	-37	-68.3%	95.1%	0	2	2		95.1%	0	0	0		95.1%	0	0	0	
96.3%	54	5	-49	-90.0%	96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	54	2	-52	-96.2%	97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	54	0	-54	-100.0%	98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044		0.0%	172	2,159	1,987		0.0%	616	2,250	1,634	265.0%	0.0%	911	2,250	1,339	147.0%
1.2%	75	2,121	2,046		1.2%	85	2,148	2,063		1.2%	551	1,988	1,437	260.9%	1.2%	894	2,250	1,356	151.6%
2.5%	10	2,121	2,111		2.5%	76	2,144	2,068		2.5%	428	1,981	1,553	363.0%	2.5%	868	2,250	1,382	159.1%
3.7%	3	2,121	2,118		3.7%	56	2,141	2,084		3.7%	393	1,968	1,576	401.2%	3.7%	848	2,191	1,343	158.3%
4.9%	2	2,121	2,119		4.9%	52	2,139	2,086		4.9%	376	1,953	1,577	419.4%	4.9%	805	2,185	1,380	171.4%
6.2%	0	2,121	2,121		6.2%	44	2,132	2,089		6.2%	374	1,947	1,573	421.1%	6.2%	803	2,153	1,350	168.2%
7.4%	0	2,121	2,121		7.4%	42	2,129	2,087		7.4%	351	1,947	1,596	455.0%	7.4%	780	2,153	1,374	176.2%
8.6%	0	2,121	2,121		8.6%	41	2,128	2,087		8.6%	335	1,940	1,606	480.0%	8.6%	763	2,151	1,388	182.0%
9.9%	0	2,121	2,121		9.9%	35	2,123	2,088		9.9%	328	1,935	1,607	490.6%	9.9%	741	1,956	1,215	164.1%
11.1%	0	2,121	2,121		11.1%	35	2,123	2,088		11.1%	303	1,910	1,607	530.7%	11.1%	739	1,723	984	133.1%
12.3%	0	2,121	2,121		12.3%	34	2,123	2,089		12.3%	280	1,908	1,628	580.6%	12.3%	736	1,247	511	69.5%
13.6%	0	2,121	2,121		13.6%	32	2,122	2,090		13.6%	274	1,901	1,626	592.6%	13.6%	722	1,181	459	63.5%
14.8%	0	2,121	2,121		14.8%	32	2,122	2,090		14.8%	260	1,889	1,629	627.0%	14.8%	697	1,157	460	66.0%
16.0%	0	2,121	2,121		16.0%	30	2,122	2,091		16.0%	246	1,867	1,621	659.0%	16.0%	681	911	230	33.8%
17.3%	0	2,121	2,121		17.3%	30	2,122	2,092		17.3%	242	1,804	1,562	644.3%	17.3%	675	884	209	30.9%
18.5%	0	2,121	2,121		18.5%	29	2,122	2,092		18.5%	236	1,730	1,494	632.2%	18.5%	665	852	187	28.2%
19.8%	0	2,121	2,121		19.8%	28	2,121	2,093		19.8%	230	1,722	1,492	649.2%	19.8%	652	780	128	19.6%
21.0%	0	2,121	2,121		21.0%	25	2,121	2,096		21.0%	218	1,710	1,492	685.4%	21.0%	642	763	120	18.7%
22.2%	0	2,121	2,121		22.2%	25	2,121	2,096		22.2%	201	1,457	1,256	626.0%	22.2%	635	755	120	18.9%
23.5%	0	2,121	2,121		23.5%	21	2,121	2,101		23.5%	200	1,069	869	435.3%	23.5%	627	733	106	16.9%
24.7%	0	2,121	2,121		24.7%	20	2,121	2,101		24.7%	181	1,018	837	463.4%	24.7%	626	722	96	15.3%
25.9%	0	2,121	2,121		25.9%	18	2,121	2,103		25.9%	174	626	452	259.8%	25.9%	621	721	100	16.0%
27.2%	0	2,121	2,121		27.2%	17	2,121	2,104		27.2%	172	607	435	252.9%	27.2%	617	704	87	14.1%
28.4%	0	2,121	2,121		28.4%	9	2,121	2,112		28.4%	172	457	285	166.0%	28.4%	575	697	122	21.2%
29.6%	0	2,121	2,121		29.6%	8	2,121	2,113		29.6%	169	416	247	146.3%	29.6%	552	685	133	24.1%
30.9%	0	2,121	2,121		30.9%	8	2,121	2,113		30.9%	167	395	229	137.4%	30.9%	550	674	124	22.5%
32.1%	0	2,121	2,121		32.1%	7	2,121	2,114		32.1%	158	393	234	148.0%	32.1%	529	672	143	27.1%
33.3%	0	2,121	2,121		33.3%	4	2,121	2,117		33.3%	150	374	224	149.6%	33.3%	529	665	136	25.7%
34.6%	0	2,121	2,121		34.6%	3	2,121	2,118		34.6%	147	356	209	141.6%	34.6%	528	654	126	23.9%
35.8%	0	2,121	2,121		35.8%	3	2,121	2,119		35.8%	141	348	207	146.7%	35.8%	522	638	116	22.3%
37.0%	0	2,121	2,121		37.0%	2	2,121	2,119		37.0%	141	334	193	136.8%	37.0%	519	590	71	13.6%
38.3%	0	2,121	2,121		38.3%	2	2,121	2,119		38.3%	131	325	194	148.3%	38.3%	508	575	67	13.1%
39.5%	0	2,121	2,121		39.5%	1	2,121	2,120		39.5%	127	298	171	135.2%	39.5%	488	539	50	10.3%
40.7%	0	2,121	2,121		40.7%	1	2,121	2,120		40.7%	115	258	143	125.0%	40.7%	477	534	57	12.0%
42.0%	0	2,121	2,121		42.0%	1	2,121	2,120		42.0%	114	258	143	125.4%	42.0%	475	533	57	12.1%
43.2%	0	2,121	2,121		43.2%	1	2,121	2,120		43.2%	110	241	131	118.7%	43.2%	472	530	58	12.4%
44.4%	0	2,121	2,121		44.4%	1	2,121	2,120		44.4%	103	226	123	119.0%	44.4%	464	529	64	13.9%
45.7%	0	2,121	2,121		45.7%	1	2,121	2,120		45.7%	103	205	103	99.8%	45.7%	461	529	68	14.7%
46.9%	0	2,121	2,121		46.9%	0	2,121	2,121		46.9%	102	203	101	99.2%	46.9%	454	498	44	9.7%
48.1%	0	2,121	2,121		48.1%	0	2,121	2,121		48.1%	93	194	101	108.6%	48.1%	445	485	40	9.0%
49.4%	0	2,121	2,121		49.4%	0	2,121	2,121		49.4%	93	187	94	101.2%	49.4%	436	473	37	8.5%
50.6%	0	2,121	2,121		50.6%	0	2,121	2,121		50.6%	93	177	84	90.5%	50.6%	431	472	42	9.7%
51.9%	0	2,121	2,121		51.9%	0	2,121	2,121		51.9%	85	168	83	98.1%	51.9%	428	472	44	10.2%
53.1%	0	2,121	2,121		53.1%	0	2,121	2,121		53.1%	85	167	82	96.7%	53.1%	420	467	47	11.1%
54.3%	0	2,121	2,121		54.3%	0	2,121	2,121		54.3%	74	158	84	114.5%	54.3%	418	462	44	10.6%
55.6%	0	2,121	2,121		55.6%	0	2,121	2,121		55.6%	71	155	84	118.2%	55.6%	416	456	40	9.5%
56.8%	0	2,121	2,121		56.8%	0	2,121	2,121		56.8%	70	145	75	106.7%	56.8%	397	454	58	14.6%
58.0%	0	2,121	2,121		58.0%	0	2,121	2,121		58.0%	59	141	82	138.0%	58.0%	391	446	55	14.0%
59.3%	0	2,116	2,116		59.3%	0	2,121	2,121		59.3%	54	141	87	162.8%	59.3%	362	424	62	17.0%
60.5%	0	2,030	2,030		60.5%	0	2,121	2,121		60.5%	48	126	78	161.8%	60.5%	341	383	42	12.3%
61.7%	0	2,024	2,024		61.7%	0	2,094	2,094		61.7%	47	125	78	163.7%	61.7%	309	373	64	20.7%
63.0%	0	2,024	2,024		63.0%	0	2,081	2,081		63.0%	47	119	71	151.1%	63.0%	290	326	36	12.6%
64.2%	0	1,932	1,932		64.2%	0	2,044	2,044		64.2%	47	104	57	121.2%	64.2%	284	287	3	1.0%
65.4%	0	1,772	1,772		65.4%	0	1,874	1,874		65.4%	46	104	58	125.6%	65.4%	252	279	27	10.7%
66.7%	0	1,766	1,766		66.7%	0	1,643	1,643		66.7%	46	94	48	105.1%	66.7%	231	272	41	18.0%
67.9%	0	1,682	1,682		67.9%	0	1,410	1,410		67.9%	45	93	49	109.0%	67.9%	229	254	25	10.9%
69.1%	0	1,656	1,656		69.1%	0	1,142	1,142		69.1%	43	78	35	80.0%	69.1%	224	249	25	11.0%
70.4%	0	1,380	1,380		70.4%	0	784	784		70.4%	40	73	33	81.6%	70.4%	207	243	35	17.1%
71.6%	0	1,190	1,190		71.6%	0	632	632		71.6%	40	71	31	77.9%	71.6%	194	233	39	19.9%
72.8%	0	1,188	1,188		72.8%	0	372	372		72.8%	40	70	30	76.8%	72.8%	184	221	37	20.0%
74.1%	0	932	932		74.1%	0	195	195		74.1%	37	63	25	67.2%	74.1%	180	217	37	20.4%
75.3%	0	560	560		75.3%	0	110	110		75.3%	37	62	25	67.8%	75.3%	180	180	0	0.0%
76.5%	0	459	459		76.5%	0	91	91		76.5%	36	47	11	29.8%	76.5%	156	168	13	8.0%
77.8%	0	395	395		77.8%	0	54	54		77.8%	36	47	11	30.9%	77.8%	151	150	-1	-0.6%
79.0%	0	92	92		79.0%	0	49	49		79.0%	35	46	11	33.0%	79.0%	148	140	-9	-5.9%
80.2%	0	89	89		80.2%	0	43	43		80.2%	33	45	12	35.0%	80.2%	135	133	-2	-1.2%
81.5%	0	88	88		81.5%	0	40	40		81.5%	32	43	11	32.9%	81.5%	132	131	0	-0.3%
82.7%	0	79	79		82.7%	0	30	30		82.7%	29	39	10	33.2%	82.7%	118	124	6	5.5%
84.0%	0	75	75		84.0%	0	28	28		84.0%	29	38	9	30.4%	84.0%	113	124	10	9.3%
85.2%	0	11	11		85.2%	0	27	27		85.2%	29	38	9	32.5%	85.2%	108	109	1	1.0%
86.4%	0	3	3		86.4%	0	18	18		86.4%	24	37	13	54.0%	86.4%	103	108	5	5.2%
87.7%	0	0	0		87.7%	0	15	15		87.7%	23	36	13	56.4%	87.7%	100	100	0	0.0%
88.9%	0	0	0		88.9%	0	15	15		88.9%	23	30	8	33.5%	88.9%	99	95	-4	-4.2%
90.1%	0	0	0		90.1%	0	11	11		90.1%	22	29	7	30.2%	90.1%	95	86	-9	-9.3%
91.4%	0	0	0		91.4%	0	9	9		91.4%	21	24	3	16.4%	91.4%	95	48	-47	-49.5%
92.6%	0	0	0		92.6%	0	9	9		92.6%	16	22	6	39.5%	92.6%	88	43	-44	-50.6%
93.8%	0	0	0		93.8%	0	8	8		93.8%	15	21	6	40.1%	93.8%	56	24	-32	-57.8%
95.1%	0	0	0		95.1%	0	8	8		95.1%	14	17	4	28.1%	95.1%	22	10	-11	-53.3%
96.3%	0	0	0		96.3%	0	8	8		96.3%	0	15	15		96.3%	20	10	-10	
97.5%	0	0	0		97.5%	0	8	8		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	8	8		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	8	8		100.0%	0	0	0		100.0%	0	0	0	

Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	1,333	22	1.7%
3.7%	1,290	1,319	28	2.2%
4.9%	1,274	1,315	41	3.2%
6.2%	1,272	1,314	41	3.3%
7.4%	1,272	1,290	19	1.5%
8.6%	1,257	1,278	21	1.6%
9.9%	1,230	1,274	44	3.6%
11.1%	1,218	1,271	53	4.4%
12.3%	1,205	1,230	25	2.1%
13.6%	1,202	1,226	24	2.0%
14.8%	1,200	1,189	-11	-0.9%
16.0%	1,182	1,182	0	0.0%
17.3%	1,148	1,168	19	1.7%
18.5%	1,134	1,153	19	1.7%
19.8%	1,127	1,148	22	1.9%
21.0%	1,127	1,130	3	0.3%
22.2%	1,121	1,089	-32	-2.9%
23.5%	1,121	1,067	-54	-4.8%
24.7%	1,100	1,055	-45	-4.1%
25.9%	1,089	1,052	-37	-3.4%
27.2%	1,084	1,048	-37	-3.4%
28.4%	1,060	990	-70	-6.6%
29.6%	1,057	941	-116	-11.0%
30.9%	1,055	938	-117	-11.1%
32.1%	1,006	934	-72	-7.2%
33.3%	989	852	-136	-13.8%
34.6%	983	837	-146	-14.8%
35.8%	979	814	-165	-16.8%
37.0%	975	788	-187	-19.1%
38.3%	938	757	-180	-19.2%
39.5%	932	744	-188	-20.2%
40.7%	931	742	-189	-20.3%
42.0%	926	720	-206	-22.2%
43.2%	877	715	-162	-18.5%
44.4%	874	708	-166	-18.9%
45.7%	869	690	-178	-20.5%
46.9%	833	651	-182	-21.9%
48.1%	815	615	-200	-24.5%
49.4%	803	595	-208	-25.9%
50.6%	801	547	-254	-31.7%
51.9%	791	536	-255	-32.3%
53.1%	747	531	-216	-29.0%
54.3%	731	525	-205	-28.1%
55.6%	693	508	-185	-26.7%
56.8%	692	468	-225	-32.4%
58.0%	673	462	-211	-31.3%
59.3%	663	461	-203	-30.6%
60.5%	663	455	-207	-31.3%
61.7%	662	435	-227	-34.2%
63.0%	661	431	-230	-34.9%
64.2%	599	427	-172	-28.8%
65.4%	556	413	-143	-25.7%
66.7%	553	404	-149	-26.9%
67.9%	453	389	-64	-14.2%
69.1%	446	374	-72	-16.1%
70.4%	430	370	-59	-13.8%
71.6%	399	362	-37	-9.2%
72.8%	355	355	0	0.0%
74.1%	350	326	-25	-7.1%
75.3%	346	324	-21	-6.2%
76.5%	345	322	-22	-6.4%
77.8%	343	316	-27	-8.0%
79.0%	331	309	-22	-6.7%
80.2%	326	274	-52	-16.0%
81.5%	319	273	-46	-14.5%
82.7%	312	260	-52	-16.7%
84.0%	299	258	-42	-14.0%
85.2%	274	240	-35	-12.6%
86.4%	273	223	-49	-18.1%
87.7%	261	209	-52	-20.0%
88.9%	247	178	-69	-27.9%
90.1%	228	161	-67	-29.4%
91.4%	221	114	-107	-48.4%
92.6%	219	85	-134	-61.2%
93.8%	188	76	-113	-59.8%
95.1%	167	45	-122	-73.1%
96.3%	161	34	-127	-78.9%
97.5%	114	28	-85	-75.0%
98.8%	34	19	-15	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	2,186	789	56.5%
1.2%	1,384	1,457	73	5.3%
2.5%	1,383	1,442	60	4.3%
3.7%	1,382	1,382	0	0.0%
4.9%	1,380	1,380	0	0.0%
6.2%	1,379	1,379	0	0.0%
7.4%	1,378	1,375	-2	-0.2%
8.6%	1,375	1,367	-8	-0.6%
9.9%	1,373	1,356	-17	-1.2%
11.1%	1,367	1,350	-17	-1.2%
12.3%	1,361	1,330	-31	-2.3%
13.6%	1,356	1,283	-73	-5.4%
14.8%	1,350	1,278	-72	-5.3%
16.0%	1,331	1,274	-57	-4.3%
17.3%	1,330	1,273	-57	-4.3%
18.5%	1,283	1,249	-33	-2.6%
19.8%	1,282	1,210	-73	-5.7%
21.0%	1,278	1,158	-121	-9.4%
22.2%	1,278	1,139	-139	-10.9%
23.5%	1,273	1,059	-214	-16.8%
24.7%	1,265	1,045	-221	-17.4%
25.9%	1,259	964	-295	-23.5%
27.2%	1,249	927	-322	-25.8%
28.4%	1,210	921	-289	-23.9%
29.6%	1,193	910	-283	-23.7%
30.9%	1,174	904	-270	-23.0%
32.1%	1,158	859	-299	-25.8%
33.3%	1,150	850	-300	-26.1%
34.6%	1,043	848	-195	-18.7%
35.8%	1,012	807	-205	-20.2%
37.0%	976	806	-170	-17.4%
38.3%	973	722	-251	-25.8%
39.5%	968	674	-294	-30.4%
40.7%	956	654	-302	-31.6%
42.0%	955	622	-333	-34.9%
43.2%	945	609	-335	-35.5%
44.4%	940	589	-351	-37.3%
45.7%	897	562	-335	-37.3%
46.9%	875	558	-317	-36.2%
48.1%	844	548	-296	-35.1%
49.4%	843	537	-306	-36.3%
50.6%	836	523	-313	-37.4%
51.9%	831	511	-320	-38.5%
53.1%	822	489	-333	-40.5%
54.3%	815	462	-353	-43.3%
55.6%	796	449	-347	-43.6%
56.8%	776	440	-336	-43.3%
58.0%	756	438	-317	-42.0%
59.3%	752	434	-318	-42.3%
60.5%	749	427	-322	-43.0%
61.7%	688	410	-277	-40.3%
63.0%	666	395	-270	-40.6%
64.2%	627	391	-237	-37.7%
65.4%	618	379	-240	-38.8%
66.7%	569	371	-198	-34.7%
67.9%	534	364	-171	-32.0%
69.1%	492	353	-138	-28.1%
70.4%	422	353	-69	-16.4%
71.6%	395	344	-52	-13.1%
72.8%	372	344	-29	-7.7%
74.1%	360	334	-26	-7.1%
75.3%	353	322	-31	-8.9%
76.5%	353	318	-35	-9.9%
77.8%	333	277	-56	-16.8%
79.0%	324	275	-49	-15.2%
80.2%	323	271	-52	-16.0%
81.5%	299	261	-38	-12.8%
82.7%	299	252	-47	-15.7%
84.0%	291	247	-43	-15.0%
85.2%	290	247	-43	-14.9%
86.4%	285	222	-63	-22.1%
87.7%	261	207	-54	-20.9%
88.9%	260	185	-75	-28.9%
90.1%	252	174	-78	-31.0%
91.4%	249	163	-86	-34.6%
92.6%	222	124	-98	-44.1%
93.8%	201	94	-106	-52.9%
95.1%	158	59	-100	-62.9%
96.3%	69	48	-21	-30.5%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,250	1,136	102.0%
1.2%	1,103	2,250	1,147	103.9%
2.5%	1,103	1,628	525	47.6%
3.7%	1,102	1,168	66	6.0%
4.9%	1,101	1,117	16	1.4%
6.2%	1,100	1,114	14	1.2%
7.4%	1,100	1,103	4	0.3%
8.6%	1,092	1,103	11	1.0%
9.9%	1,091	1,102	10	1.0%
11.1%	1,086	1,101	15	1.3%
12.3%	1,083	1,100	17	1.6%
13.6%	1,080	1,091	11	1.1%
14.8%	1,078	1,083	4	0.4%
16.0%	1,064	1,078	15	1.4%
17.3%	1,062	1,062	0	0.0%
18.5%	1,028	1,024	-4	-0.4%
19.8%	1,024	1,021	-3	-0.3%
21.0%	1,021	1,017	-4	-0.4%
22.2%	1,017	1,012	-6	-0.5%
23.5%	1,012	1,000	-11	-1.1%
24.7%	1,000	963	-38	-3.8%
25.9%	963	959	-3	-0.4%
27.2%	954	954	0	0.0%
28.4%	953	923	-29	-3.1%
29.6%	937	911	-26	-2.8%
30.9%	935	910	-25	-2.7%
32.1%	923	856	-67	-7.3%
33.3%	918	831	-87	-9.5%
34.6%	904	825	-78	-8.7%
35.8%	805	817	12	1.5%
37.0%	788	817	29	3.7%
38.3%	782	798	16	2.0%
39.5%	779	751	-28	-3.6%
40.7%	776	713	-63	-8.1%
42.0%	768	684	-84	-10.9%
43.2%	754	679	-75	-9.9%
44.4%	713	674	-39	-5.5%
45.7%	698	674	-24	-3.4%
46.9%	672	660	-12	-1.8%
48.1%	660	645	-15	-2.2%
49.4%	659	643	-16	-2.4%
50.6%	654	642	-13	-2.0%
51.9%	635	641	6	0.9%
53.1%	635	623	-12	-2.0%
54.3%	622	608	-14	-2.2%
55.6%	619	593	-27	-4.3%
56.8%	603	576	-27	-4.5%
58.0%	599	527	-73	-12.1%
59.3%	581	515	-66	-11.3%
60.5%	567	474	-92	-16.3%
61.7%	548	463	-85	-15.4%
63.0%	523	454	-69	-13.2%
64.2%	522	451	-70	-13.5%
65.4%	494	425	-69	-14.0%
66.7%	494	425	-69	-13.9%
67.9%	467	425	-42	-9.0%
69.1%	467	409	-58	-12.4%
70.4%	455	406	-49	-10.7%
71.6%	426	404	-22	-5.2%
72.8%	424	398	-26	-6.1%
74.1%	423	362	-61	-14.5%
75.3%	412	347	-65	-15.7%
76.5%	390	340	-50	-12.7%
77.8%	386	316	-69	-18.0%
79.0%	362	315	-46	-12.9%
80.2%	316	312	-4	-1.2%
81.5%	298	307	9	3.1%
82.7%	287	303	15	5.3%
84.0%	266	293	27	10.3%
85.2%	258	255	-3	-1.3%
86.4%	257	254	-3	-1.0%
87.7%	232	222	-10	-4.4%
88.9%	230	205	-24	-10.5%
90.1%	209	196	-13	-6.2%
91.4%	208	165	-43	-20.5%
92.6%	198	144	-54	-27.3%
93.8%	156	117	-39	-25.3%
95.1%	126	107	-19	-15.1%
96.3%	51	78	27	53.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	335	-16	-4.7%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	266	-33	-11.0%
8.6%	298	264	-35	-11.6%
9.9%	296	256	-40	-13.6%
11.1%	288	243	-45	-15.5%
12.3%	280	230	-51	-18.1%
13.6%	275	214	-61	-22.0%
14.8%	275	197	-78	-28.3%
16.0%	273	196	-77	-28.3%
17.3%	273	180	-93	-34.1%
18.5%	267	177	-90	-33.7%
19.8%	266	171	-95	-35.7%
21.0%	265	160	-105	-39.5%
22.2%	264	136	-128	-48.4%
23.5%	260	129	-131	-50.5%
24.7%	251	122	-128	-51.2%
25.9%	248	118	-130	-52.2%
27.2%	243	118	-126	-51.7%
28.4%	228	117	-111	-48.9%
29.6%	225	116	-108	-48.2%
30.9%	225	112	-113	-50.1%
32.1%	214	109	-106	-49.3%
33.3%	212	109	-104	-48.9%
34.6%	212	102	-110	-51.8%
35.8%	196	102	-94	-47.9%
37.0%	181	101	-80	-44.0%
38.3%	180	98	-82	-45.5%
39.5%	172	79	-93	-54.3%
40.7%	160	76	-84	-52.7%
42.0%	160	72	-88	-55.0%
43.2%	158	66	-92	-58.2%
44.4%	155	65	-90	-58.3%
45.7%	135	62	-72	-53.7%
46.9%	131	62	-69	-52.7%
48.1%	130	62	-68	-52.3%
49.4%	117	61	-56	-47.6%
50.6%	111	59	-51	-46.4%
51.9%	108	58	-49	-45.8%
53.1%	104	58	-47	-44.7%
54.3%	104	57	-47	-44.8%
55.6%	104	57	-47	-44.9%
56.8%	104	57	-47	-45.2%
58.0%	104	55	-48	-46.6%
59.3%	97	54	-43	-44.8%
60.5%	96	53	-42	-44.2%
61.7%	92	53	-39	-42.5%
63.0%	91	51	-40	-43.9%
64.2%	91	49	-43	-46.8%
65.4%	91	48	-43	-46.8%
66.7%	88	48	-40	-45.3%
67.9%	83	47	-36	-42.8%
69.1%	82	47	-35	-43.0%
70.4%	82	45	-37	-44.7%
71.6%	82	45	-37	-45.5%
72.8%	79	44	-35	-44.7%
74.1%	76	43	-33	-43.5%
75.3%	73	35	-39	-53.0%
76.5%	72	34	-38	-53.3%
77.8%	71	33	-39	-53.9%
79.0%	63	24	-39	-61.6%
80.2%	57	24	-33	-58.0%
81.5%	56	19	-37	-66.4%
82.7%	54	18	-36	-66.8%
84.0%	51	17	-33	-65.6%
85.2%	32	17	-14	-45.8%
86.4%	23	16	-7	-30.2%
87.7%	22	15	-7	-31.4%
88.9%	21	13	-8	-39.2%
90.1%	20	13	-7	-36.5%
91.4%	18	12	-6	-32.1%
92.6%	16	12	-5	-27.4%
93.8%	16	10	-6	-38.5%
95.1%	15	8	-7	-45.0%
96.3%	12	0	-12	-100.0%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-5a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Diversion (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative B	735	419	483	179	245	812	2,477	2,243	2,631	2,372	2,122	494
Difference	-18	-27	272	96	177	771	287	158	-272	-426	55	-54
Percent Difference[3]	-2.4%	-6.0%	129.7%				13.1%	7.6%	-9.4%	-15.2%	2.7%	-9.9%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative B	677	348	524	230	330	922	2,548	2,513	2,854	2,361	2,350	467
Difference	-116	-113	295	149	263	891	526	391	-115	-509	211	-109
Percent Difference	-14.7%	-24.5%	129.0%				26.0%	18.4%	-3.9%	-17.7%	9.8%	-18.9%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative B	919	497	711	159	362	1,247	2,635	2,525	2,723	2,351	2,048	485
Difference	140	45	504	87	297	1,221	475	447	-260	-538	-98	-87
Percent Difference	18.0%	9.9%					22.0%	21.5%	-8.7%	-18.6%	-4.6%	-15.2%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative B	756	451	521	183	154	810	2,732	2,288	2,603	2,310	2,199	547
Difference	-24	-11	326	94	86	765	430	108	-349	-577	40	-17
Percent Difference	-3.1%	-2.4%					18.7%	5.0%	-11.8%	-20.0%	1.9%	-2.9%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative B	754	451	368	143	189	691	2,390	2,007	2,525	2,612	2,053	525
Difference	-30	24	145	57	120	648	73	-138	-433	-229	-56	-17
Percent Difference	-3.9%	5.5%	64.9%				3.2%	-6.4%	-14.6%	-8.1%	-2.6%	-3.2%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative B	625	409	291	141	132	320	1,999	1,676	2,249	2,129	1,713	454
Difference	59	-4	121	51	64	255	-266	-134	-291	-255	55	-2
Percent Difference	10.4%	-1.0%	71.5%				-11.7%	-7.4%	-11.5%	-10.7%	3.3%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-5b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

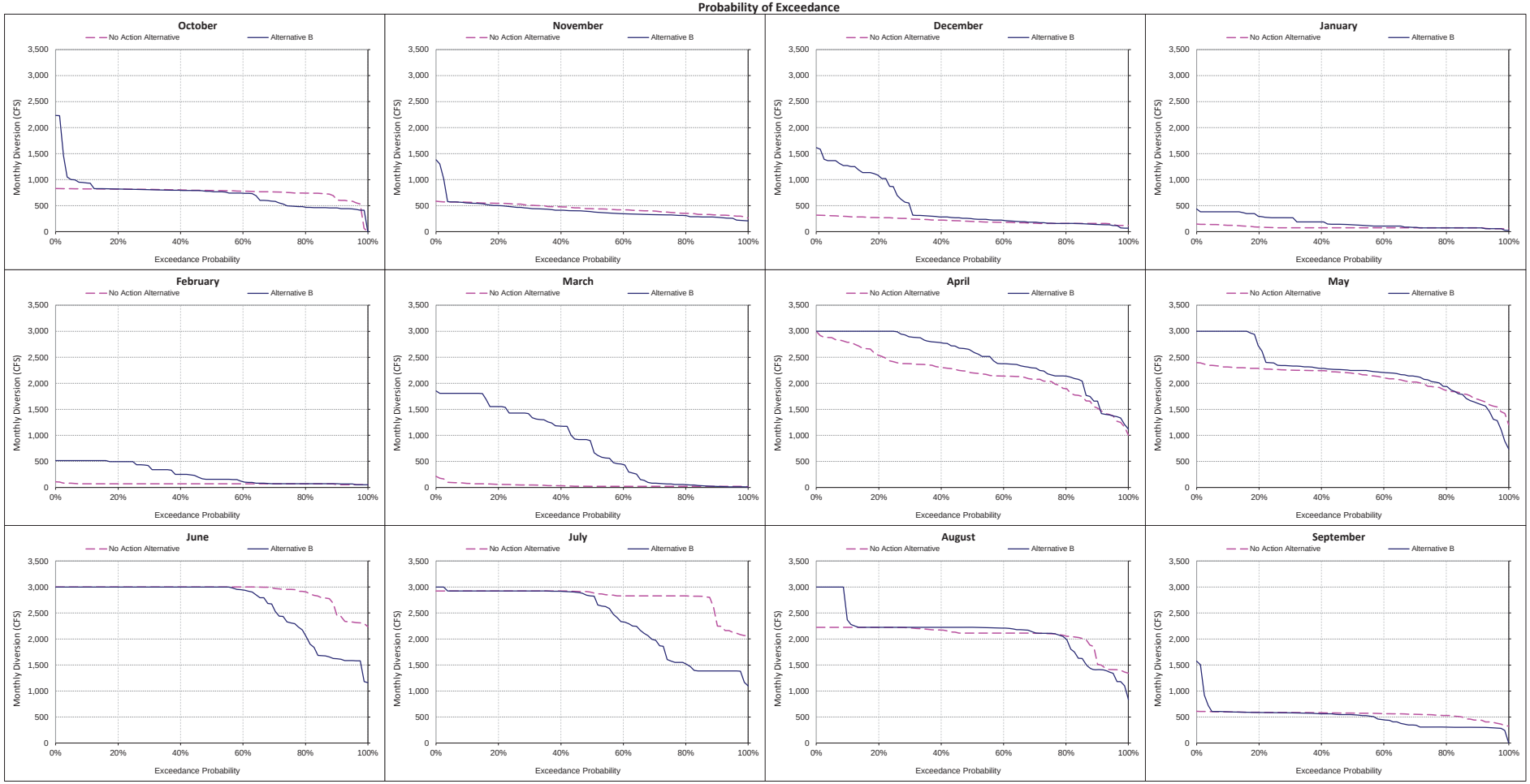


Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%	0.0%	586	1,380	794	135.7%	0.0%	318	1,614	1,297	408.2%	0.0%	147	436	290	197.7%
1.2%	828	2,230	1,402	169.4%	1.2%	577	1,300	722	125.1%	1.2%	316	1,587	1,271	402.1%	1.2%	141	384	243	173.1%
2.5%	826	1,461	635	76.9%	2.5%	572	1,018	446	78.1%	2.5%	314	1,392	1,078	342.7%	2.5%	141	384	243	173.1%
3.7%	825	1,049	223	27.1%	3.7%	571	577	6	1.0%	3.7%	310	1,366	1,055	340.0%	3.7%	139	384	244	175.4%
4.9%	825	999	174	21.1%	4.9%	571	571	0	0.0%	4.9%	306	1,366	1,060	346.9%	4.9%	137	384	246	179.5%
6.2%	823	999	175	21.3%	6.2%	571	571	0	0.0%	6.2%	304	1,366	1,062	349.9%	6.2%	137	384	247	181.1%
7.4%	823	950	127	15.4%	7.4%	571	569	-2	-0.3%	7.4%	298	1,309	1,011	339.8%	7.4%	133	384	250	187.9%
8.6%	823	944	121	14.7%	8.6%	569	562	-7	-1.2%	8.6%	296	1,272	976	329.1%	8.6%	127	384	256	201.4%
9.9%	822	938	116	14.1%	9.9%	566	554	-13	-2.2%	9.9%	292	1,271	979	334.8%	9.9%	122	384	262	214.3%
11.1%	822	931	109	13.3%	11.1%	564	547	-17	-3.1%	11.1%	284	1,250	966	339.7%	11.1%	122	384	262	214.3%
12.3%	822	828	6	0.7%	12.3%	560	546	-14	-2.5%	12.3%	284	1,250	966	340.3%	12.3%	120	384	264	220.6%
13.6%	821	826	5	0.6%	13.6%	555	541	-14	-2.5%	13.6%	283	1,187	904	319.6%	13.6%	114	384	270	236.4%
14.8%	821	825	4	0.5%	14.8%	551	537	-13	-2.4%	14.8%	282	1,135	852	301.9%	14.8%	108	365	257	238.1%
16.0%	821	823	3	0.3%	16.0%	550	524	-25	-4.6%	16.0%	277	1,135	858	310.0%	16.0%	105	350	245	234.0%
17.3%	820	822	2	0.2%	17.3%	548	514	-34	-6.3%	17.3%	272	1,135	863	316.7%	17.3%	102	350	248	243.9%
18.5%	819	821	2	0.2%	18.5%	546	501	-46	-8.4%	18.5%	271	1,115	844	311.1%	18.5%	91	350	258	282.9%
19.8%	819	820	1	0.1%	19.8%	546	500	-46	-8.4%	19.8%	270	1,085	815	301.5%	19.8%	87	296	209	239.2%
21.0%	819	819	0	0.0%	21.0%	545	495	-50	-9.2%	21.0%	268	1,019	751	279.8%	21.0%	87	286	199	228.8%
22.2%	818	818	0	0.0%	22.2%	544	494	-50	-9.2%	22.2%	268	1,019	751	280.4%	22.2%	82	272	190	230.8%
23.5%	816	815	0	-0.1%	23.5%	539	489	-50	-9.3%	23.5%	268	871	603	225.0%	23.5%	80	271	190	236.9%
24.7%	816	815	-1	-0.2%	24.7%	533	473	-60	-11.3%	24.7%	263	865	602	228.8%	24.7%	78	269	191	244.9%
25.9%	815	812	-3	-0.4%	25.9%	529	466	-63	-12.0%	25.9%	259	696	436	168.4%	25.9%	75	269	194	259.6%
27.2%	815	811	-4	-0.4%	27.2%	529	465	-64	-12.0%	27.2%	255	624	369	144.5%	27.2%	75	269	194	259.6%
28.4%	814	809	-5	-0.6%	28.4%	516	456	-59	-11.5%	28.4%	254	569	314	123.6%	28.4%	75	269	194	259.6%
29.6%	813	807	-5	-0.6%	29.6%	508	450	-58	-11.4%	29.6%	253	552	299	118.0%	29.6%	75	269	194	259.6%
30.9%	812	805	-7	-0.9%	30.9%	507	444	-63	-12.4%	30.9%	240	318	78	32.4%	30.9%	75	269	194	259.6%
32.1%	811	803	-8	-1.0%	32.1%	502	442	-60	-11.9%	32.1%	239	314	76	31.7%	32.1%	75	188	114	151.9%
33.3%	809	802	-8	-0.9%	33.3%	501	437	-64	-12.8%	33.3%	237	310	74	31.2%	33.3%	75	188	114	151.9%
34.6%	809	799	-10	-1.2%	34.6%	501	435	-66	-13.1%	34.6%	235	306	71	30.0%	34.6%	75	188	114	151.9%
35.8%	807	796	-11	-1.4%	35.8%	482	428	-54	-11.3%	35.8%	231	304	72	31.2%	35.8%	75	188	114	151.9%
37.0%	806	796	-10	-1.2%	37.0%	482	426	-56	-11.6%	37.0%	225	298	73	32.5%	37.0%	75	188	114	151.9%
38.3%	805	795	-10	-1.3%	38.3%	481	412	-69	-14.3%	38.3%	224	292	69	30.6%	38.3%	75	188	114	151.9%
39.5%	803	794	-8	-1.0%	39.5%	479	412	-67	-14.0%	39.5%	222	284	62	27.9%	39.5%	75	188	114	151.9%
40.7%	802	793	-9	-1.1%	40.7%	475	412	-63	-13.3%	40.7%	222	283	61	27.5%	40.7%	75	188	114	151.9%
42.0%	799	792	-7	-0.9%	42.0%	474	405	-69	-14.6%	42.0%	216	282	66	30.6%	42.0%	75	147	72	95.9%
43.2%	796	791	-5	-0.6%	43.2%	465	402	-63	-13.4%	43.2%	212	271	59	27.8%	43.2%	75	144	69	92.7%
44.4%	796	791	-5	-0.7%	44.4%	457	401	-57	-12.4%	44.4%	212	268	57	26.7%	44.4%	75	141	66	87.9%
45.7%	795	790	-5	-0.6%	45.7%	457	400	-57	-12.4%	45.7%	209	268	59	27.9%	45.7%	75	141	66	87.9%
46.9%	794	784	-10	-1.2%	46.9%	450	400	-51	-11.3%	46.9%	204	259	55	26.9%	46.9%	75	139	65	86.2%
48.1%	793	779	-14	-1.8%	48.1%	443	390	-54	-12.1%	48.1%	201	255	54	26.7%	48.1%	75	137	63	83.6%
49.4%	792	777	-14	-1.8%	49.4%	442	387	-55	-12.4%	49.4%	197	254	57	29.1%	49.4%	75	137	62	82.5%
50.6%	791	768	-24	-3.0%	50.6%	438	378	-61	-13.8%	50.6%	194	240	46	23.8%	50.6%	75	133	59	78.2%
51.9%	791	767	-23	-2.9%	51.9%	438	370	-67	-15.4%	51.9%	193	239	46	23.6%	51.9%	75	122	47	63.2%
53.1%	790	765	-25	-3.2%	53.1%	436	368	-69	-15.7%	53.1%	189	239	50	26.3%	53.1%	75	122	47	63.2%
54.3%	787	761	-26	-3.3%	54.3%	435	361	-74	-17.1%	54.3%	185	237	52	28.2%	54.3%	75	120	45	60.0%
55.6%	787	743	-44	-5.6%	55.6%	428	357	-71	-16.5%	55.6%	184	227	43	23.4%	55.6%	75	114	39	52.5%
56.8%	787	742	-45	-5.7%	56.8%	426	356	-70	-16.3%	56.8%	183	225	42	23.1%	56.8%	75	108	33	44.5%
58.0%	781	741	-40	-5.1%	58.0%	421	348	-73	-17.3%	58.0%	181	222	42	23.1%	58.0%	75	108	33	44.3%
59.3%	779	741	-38	-4.9%	59.3%	420	344	-76	-18.0%	59.3%	180	222	42	23.1%	59.3%	75	108	33	44.3%
60.5%	778	739	-39	-5.1%	60.5%	420	342	-78	-18.6%	60.5%	179	212	33	18.3%	60.5%	75	108	33	44.3%
61.7%	777	738	-39	-5.1%	61.7%	417	342	-75	-18.0%	61.7%	179	210	31	17.4%	61.7%	75	108	33	44.3%
63.0%	773	734	-40	-5.1%	63.0%	411	339	-72	-17.6%	63.0%	175	204	29	16.7%	63.0%	75	108	33	44.3%
64.2%	772	693	-78	-10.2%	64.2%	408	338	-71	-17.3%	64.2%	172	197	25	14.8%	64.2%	75	108	33	44.3%
65.4%	768	602	-166	-21.6%	65.4%	405	336	-69	-17.0%	65.4%	171	194	22	13.1%	65.4%	75	108	33	44.3%
66.7%	767	601	-166	-21.6%	66.7%	401	331	-70	-17.4%	66.7%	171	193	22	12.9%	66.7%	75	87	12	16.6%
67.9%	767	596	-171	-22.3%	67.9%	400	331	-69	-17.3%	67.9%	166	185	18	11.0%	67.9%	75	87	12	16.1%
69.1%	765	587	-178	-23.2%	69.1%	398	326	-72	-18.1%	69.1%	161	183	21	13.0%	69.1%	75	82	7	10.0%
70.4%	764	584	-180	-23.5%	70.4%	396	325	-71	-17.9%	70.4%	161	180	19	12.0%	70.4%	75	80	6	7.5%
71.6%	761	553	-208	-27.4%	71.6%	386	324	-62	-16.0%	71.6%	159	172	13	8.3%	71.6%	75	75	0	0.0%
72.8%	760	532	-229	-30.1%	72.8%	379	323	-56	-14.8%	72.8%	158	171	14	8.6%	72.8%	75	75	0	0.0%
74.1%	754	497	-257	-34.1%	74.1%	376	322	-54	-14.4%	74.1%	158	161	4	2.4%	74.1%	75	75	0	0.0%
75.3%	749	492	-258	-34.4%	75.3%	369	320	-49	-13.4%	75.3%	158	161	3	2.0%	75.3%	75	75	0	0.0%
76.5%	743	487	-256	-34.5%	76.5%	364	317	-48	-13.1%	76.5%	158	159	1	0.5%	76.5%	75	75	0	0.0%
77.8%	743	481	-262	-35.2%	77.8%	357	313	-44	-12.3%	77.8%	158	158	0	0.1%	77.8%	75	75	0	0.0%
79.0%	742	481	-261	-35.2%	79.0%	353	313	-40	-11.2%	79.0%	158	158	0	0.0%	79.0%	75	75	0	0.0%
80.2%	741	466	-275	-37.1%	80.2%	351	306	-45	-12.8%	80.2%	158	158	0	0.0%	80.2%	75	75	0	0.0%
81.5%	741	465	-276	-37.3%	81.5%	349	289	-59	-17.0%	81.5%	158	158	0	0.0%	81.5%	75	75	0	0.0%
82.7%	739	462	-277	-37.5%	82.7%	346	288	-58	-16.7%	82.7%	158	158	0	0.0%	82.7%	75	75	0	0.0%
84.0%	738	461	-277	-37.5%	84.0%	333	285	-48	-14.4%	84.0%	158	158	0	0.0%	84.0%	75	75	0	0.0%
85.2%	734	460	-273	-37.3%	85.2%	331	283	-48	-14.4%	85.2%	158	152	-6	-3.7%	85.2%	75	75	0	0.0%
86.4%	727	460	-267	-36.7%	86.4%	330	282	-49	-14.7%	86.4%	158	149	-8	-5.3%	86.4%	75	75	0	0.0%
87.7%	722	459	-263	-36.4%	87.7%	330	280	-50	-15.2%	87.7%	158	146	-11	-7.2%	87.7%	75	75	0	0.0%
88.9%	693	458	-235	-34.0%	88.9%	323	280	-43	-13.2%	88.9%	158	141	-17	-10.6%	88.9%	75	75	0	0.0%
90.1%	607	455	-152	-25.0%	90.1%	322	277	-45	-14.0%	90.1%	158	140	-18	-11.4%	90.1%	75	75	0	0.0%
91.4%	602	442	-159	-26.5%	91.4%	318	268	-51	-16.0%	91.4%	158	133	-25	-15.6%	91.4%	75	75	0	0.0%
92.6%	601	440	-161	-26.8%	92.6%	318	266	-52	-16.3%	92.6%	158	131	-26	-16.7%	92.6%	63	56	-7	-10.5%
93.8%	587	440	-147	-25.1%	93.8%	312	259	-53	-16.9%	93.8%	152	131	-20	-13.4%	93.8%	56	56	0	0.0%
95.1%	584	435	-149	-25.5%	95.1%	306	256	-51	-16.5%	95.1%	138	119	-19	-13.7%	95.1%	56	56	0	0.0%
96.3%	553	425	-128	-23.1%	96.3%	299	222	-77	-25.8%	96.3%	119	119	0	0.0%	96.3%	56	56	0	0.0%
97.5%	532	414	-117	-22.1%	97.5%	298	217	-81	-27.3%	97.5%	119	75	-44	-37.0%	97.5%	56	56	0	0.0%
98.8%	63	411	348	552.6%	98.8%	285	215	-70	-24.7%	98.8%	119	67	-52	-44.0%	98.8%	56	26	-31	-54.1%
100.0%	0	0	0		100.0%	263	210	-53	-20.2%	100.0%	119	67	-52	-44.0%	100.0%	56	23	-33	-58.8%

Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	496	428	625.5%
18.5%	68	496	428	625.5%
19.8%	68	495	427	624.1%
21.0%	68	495	427	624.1%
22.2%	68	495	427	624.1%
23.5%	68	495	427	624.1%
24.7%	68	495	427	624.1%
25.9%	68	435	366	535.1%
27.2%	68	435	366	535.1%
28.4%	68	430	362	529.1%
29.6%	68	420	352	514.0%
30.9%	68	342	273	399.3%
32.1%	68	342	273	399.3%
33.3%	68	342	273	399.3%
34.6%	68	342	273	399.3%
35.8%	68	342	273	399.3%
37.0%	68	331	263	383.7%
38.3%	68	249	180	263.5%
39.5%	68	249	180	263.5%
40.7%	68	249	180	263.5%
42.0%	68	249	180	263.5%
43.2%	68	242	173	253.4%
44.4%	68	232	164	239.1%
45.7%	68	197	129	188.1%
46.9%	68	164	96	139.7%
48.1%	68	156	87	127.8%
49.4%	68	156	87	127.8%
50.6%	68	156	87	127.8%
51.9%	68	156	87	127.8%
53.1%	68	156	87	127.8%
54.3%	68	156	87	127.8%
55.6%	68	156	87	127.8%
56.8%	68	153	84	123.1%
58.0%	68	153	84	123.1%
59.3%	68	118	50	73.1%
60.5%	68	100	32	46.7%
61.7%	68	97	29	41.7%
63.0%	68	97	28	41.3%
64.2%	68	83	14	20.7%
65.4%	68	80	12	16.9%
66.7%	68	80	11	16.5%
67.9%	68	74	6	8.7%
69.1%	68	72	3	4.6%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	68	17	32.4%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	52	0	0.0%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	50	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,851	1,640	774.6%
1.2%	176	1,807	1,631	927.8%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,802	1,733	
16.0%	66	1,691	1,624	
17.3%	66	1,554	1,488	
18.5%	61	1,553	1,492	
19.8%	58	1,553	1,495	
21.0%	58	1,553	1,495	
22.2%	56	1,539	1,483	
23.5%	56	1,426	1,370	
24.7%	50	1,426	1,376	
25.9%	48	1,426	1,379	
27.2%	47	1,426	1,380	
28.4%	46	1,426	1,380	
29.6%	46	1,418	1,372	
30.9%	45	1,337	1,292	
32.1%	44	1,312	1,268	
33.3%	41	1,302	1,261	
34.6%	40	1,300	1,259	
35.8%	33	1,256	1,224	
37.0%	32	1,238	1,206	
38.3%	32	1,185	1,153	
39.5%	30	1,178	1,148	
40.7%	30	1,173	1,143	
42.0%	25	1,173	1,148	
43.2%	25	1,003	978	
44.4%	22	927	905	
45.7%	22	919	897	
46.9%	22	919	897	
48.1%	22	919	898	
49.4%	20	900	881	
50.6%	20	666	646	
51.9%	20	616	596	
53.1%	20	581	562	
54.3%	20	562	543	
55.6%	20	561	541	
56.8%	20	474	455	
58.0%	20	452	433	
59.3%	20	448	429	
60.5%	20	432	412	
61.7%	20	296	276	
63.0%	20	275	256	
64.2%	20	255	236	
65.4%	20	150	130	667.0%
66.7%	20	136	116	596.3%
67.9%	20	94	74	380.3%
69.1%	20	82	62	319.0%
70.4%	20	78	59	301.5%
71.6%	20	74	54	277.9%
72.8%	20	71	52	266.1%
74.1%	20	67	47	242.5%
75.3%	20	64	45	228.7%
76.5%	20	54	35	177.2%
77.8%	20	53	34	171.8%
79.0%	20	53	34	171.8%
80.2%	20	51	31	160.0%
81.5%	20	46	27	136.4%
82.7%	20	46	27	136.4%
84.0%	20	37	18	89.7%
85.2%	20	33	13	66.9%
86.4%	20	32	13	65.7%
87.7%	20	22	3	14.5%
88.9%	20	22	3	13.2%
90.1%	20	16	-3	-16.9%
91.4%	20	14	-6	-28.8%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.7%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	3,000	334	12.5%
17.3%	2,660	3,000	340	12.8%
18.5%	2,585	3,000	415	16.0%
19.8%	2,543	3,000	457	18.0%
21.0%	2,518	3,000	482	19.1%
22.2%	2,484	3,000	516	20.8%
23.5%	2,433	3,000	567	23.3%
24.7%	2,414	3,000	586	24.3%
25.9%	2,395	2,993	597	24.9%
27.2%	2,380	2,945	566	23.8%
28.4%	2,379	2,929	550	23.1%
29.6%	2,377	2,897	520	21.9%
30.9%	2,374	2,885	512	21.6%
32.1%	2,366	2,883	517	21.9%
33.3%	2,364	2,877	514	21.7%
34.6%	2,363	2,832	469	19.8%
35.8%	2,353	2,813	460	19.6%
37.0%	2,347	2,798	452	19.2%
38.3%	2,323	2,789	466	20.1%
39.5%	2,310	2,785	475	20.6%
40.7%	2,299	2,771	472	20.6%
42.0%	2,291	2,768	477	20.8%
43.2%	2,283	2,720	437	19.1%
44.4%	2,267	2,717	450	19.8%
45.7%	2,248	2,674	426	19.0%
46.9%	2,239	2,666	427	19.0%
48.1%	2,235	2,660	426	19.0%
49.4%	2,205	2,643	437	19.8%
50.6%	2,197	2,585	388	17.7%
51.9%	2,189	2,562	372	17.0%
53.1%	2,181	2,518	338	15.5%
54.3%	2,173	2,517	344	15.8%
55.6%	2,151	2,514	363	16.9%
56.8%	2,144	2,433	289	13.5%
58.0%	2,142	2,380	237	11.1%
59.3%	2,141	2,379	238	11.1%
60.5%	2,139	2,377	238	11.1%
61.7%	2,136	2,374	238	11.1%
63.0%	2,135	2,366	231	10.8%
64.2%	2,130	2,363	233	10.9%
65.4%	2,130	2,338	208	9.7%
66.7%	2,116	2,323	207	9.8%
67.9%	2,090	2,310	220	10.5%
69.1%	2,080	2,299	219	10.5%
70.4%	2,077	2,291	214	10.3%
71.6%	2,077	2,248	171	8.2%
72.8%	2,042	2,239	197	9.7%
74.1%	2,042	2,181	139	6.8%
75.3%	2,034	2,161	127	6.2%
76.5%	1,983	2,144	161	8.1%
77.8%	1,967	2,142	176	8.9%
79.0%	1,903	2,141	238	12.5%
80.2%	1,895	2,135	240	12.7%
81.5%	1,809	2,116	307	17.0%
82.7%	1,777	2,092	315	17.7%
84.0%	1,768	2,077	309	17.5%
85.2%	1,747	2,042	295	16.9%
86.4%	1,662	1,768	106	6.4%
87.7%	1,659	1,747	88	5.3%
88.9%	1,555	1,659	105	6.7%
90.1%	1,522	1,659	136	8.9%
91.4%	1,466	1,418	-48	-3.3%
92.6%	1,418	1,402	-16	-1.1%
93.8%	1,402	1,395	-7	-0.5%
95.1%	1,375	1,375	0	0.0%
96.3%	1,271	1,357	86	6.8%
97.5%	1,249	1,331	82	6.6%
98.8%	1,158	1,208	50	4.3%
100.0%	1,002	1,117	115	11.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	3,000	662	28.3%
7.4%	2,331	3,000	669	28.7%
8.6%	2,315	3,000	685	29.6%
9.9%	2,315	3,000	685	29.6%
11.1%	2,310	3,000	690	29.9%
12.3%	2,299	3,000	701	30.5%
13.6%	2,299	3,000	701	30.5%
14.8%	2,299	3,000	701	30.5%
16.0%	2,296	3,000	704	30.6%
17.3%	2,289	2,966	677	29.6%
18.5%	2,289	2,943	654	28.6%
19.8%	2,289	2,725	436	19.1%
21.0%	2,284	2,618	334	14.6%
22.2%	2,274	2,403	129	5.7%
23.5%	2,274	2,397	124	5.4%
24.7%	2,266	2,392	126	5.6%
25.9%	2,266	2,346	80	3.5%
27.2%	2,261	2,340	80	3.5%
28.4%	2,258	2,340	82	3.7%
29.6%	2,255	2,338	83	3.7%
30.9%	2,252	2,331	78	3.5%
32.1%	2,250	2,330	80	3.5%
33.3%	2,250	2,325	75	3.3%
34.6%	2,248	2,315	67	3.0%
35.8%	2,247	2,315	67	3.0%
37.0%	2,245	2,310	65	2.9%
38.3%	2,245	2,296	51	2.3%
39.5%	2,242	2,289	47	2.1%
40.7%	2,242	2,289	47	2.1%
42.0%	2,237	2,274	36	1.6%
43.2%	2,222	2,274	52	2.3%
44.4%	2,219	2,266	47	2.1%
45.7%	2,213	2,266	52	2.4%
46.9%	2,211	2,261	50	2.3%
48.1%	2,206	2,250	45	2.0%
49.4%	2,198	2,248	49	2.2%
50.6%	2,185	2,247	62	2.8%
51.9%	2,185	2,246	61	2.8%
53.1%	2,165	2,245	80	3.7%
54.3%	2,162	2,245	83	3.8%
55.6%	2,147	2,237	91	4.2%
56.8%	2,141	2,226	85	4.0%
58.0%	2,133	2,219	86	4.0%
59.3%	2,118	2,207	89	4.2%
60.5%	2,100	2,206	106	5.0%
61.7%	2,086	2,201	115	5.5%
63.0%	2,086	2,198	112	5.4%
64.2%	2,076	2,187	111	5.4%
65.4%	2,066	2,165	99	4.8%
66.7%	2,045	2,162	117	5.7%
67.9%	2,032	2,141	109	5.4%
69.1%	2,025	2,141	116	5.7%
70.4%	2,024	2,133	109	5.4%
71.6%	2,007	2,118	111	5.6%
72.8%	1,990	2,076	86	4.3%
74.1%	1,944	2,066	122	6.3%
75.3%	1,937	2,033	97	5.0%
76.5%	1,926	2,025	99	5.1%
77.8%	1,921	2,007	86	4.5%
79.0%	1,882	1,944	62	3.3%
80.2%	1,856	1,937	81	4.4%
81.5%	1,843	1,872	29	1.6%
82.7%	1,840	1,843	3	0.1%
84.0%	1,825	1,797	-28	-1.5%
85.2%	1,797	1,790	-7	-0.4%
86.4%	1,790	1,709	-81	-4.5%
87.7%	1,762	1,667	-95	-5.4%
88.9%	1,709	1,642	-67	-3.9%
90.1%	1,692	1,612	-81	-4.8%
91.4%	1,667	1,586	-81	-4.9%
92.6%	1,642	1,562	-79	-4.8%
93.8%	1,586	1,456	-130	-8.2%
95.1%	1,562	1,308	-254	-16.3%
96.3%	1,547	1,281	-266	-17.2%
97.5%	1,456	1,110	-347	-23.8%
98.8%	1,422	887	-535	-37.6%
100.0%	1,202	739	-464	-38.6%

Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%	2,923	3,000	77	2.6%	2,224	3,000	776	34.9%	609	1,577	967	158.7%
1.2%	3,000	3,000	0	0.0%	2,923	3,000	77	2.6%	2,224	3,000	776	34.9%	607	1,503	896	147.7%
2.5%	3,000	3,000	0	0.0%	2,923	3,000	77	2.6%	2,224	3,000	776	34.9%	607	923	317	52.2%
3.7%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	3,000	776	34.9%	605	723	117	19.4%
4.9%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	3,000	776	34.9%	604	607	3	0.5%
6.2%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	3,000	776	34.9%	601	606	5	0.9%
7.4%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	3,000	776	34.9%	600	605	5	0.8%
8.6%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	3,000	776	34.9%	599	601	1	0.2%
9.9%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,369	145	6.5%	599	600	1	0.2%
11.1%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,279	55	2.5%	597	599	3	0.4%
12.3%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,247	23	1.0%	597	595	-2	-0.4%
13.6%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	595	590	-4	-0.7%
14.8%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	592	590	-3	-0.4%
16.0%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	591	590	-2	-0.3%
17.3%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	591	588	-3	-0.5%
18.5%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	590	587	-4	-0.6%
19.8%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	590	586	-4	-0.7%
21.0%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	590	586	-4	-0.7%
22.2%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	590	585	-4	-0.7%
23.5%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	590	585	-5	-0.8%
24.7%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,224	2,224	0	0.0%	589	584	-5	-0.8%
25.9%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,221	2,224	3	0.1%	588	583	-5	-0.9%
27.2%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,221	2,224	3	0.1%	588	583	-5	-0.8%
28.4%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,219	2,224	5	0.2%	588	582	-6	-1.0%
29.6%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,214	2,224	10	0.5%	587	580	-7	-1.1%
30.9%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,210	2,224	14	0.6%	586	578	-8	-1.4%
32.1%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,203	2,224	21	0.9%	586	578	-8	-1.4%
33.3%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,198	2,224	26	1.2%	585	578	-8	-1.3%
34.6%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,194	2,224	30	1.4%	585	577	-8	-1.4%
35.8%	3,000	3,000	0	0.0%	2,923	2,923	0	0.0%	2,186	2,224	38	1.8%	585	572	-12	-2.1%
37.0%	3,000	3,000	0	0.0%	2,923	2,918	-5	-0.2%	2,177	2,224	47	2.1%	584	570	-14	-2.4%
38.3%	3,000	3,000	0	0.0%	2,923	2,918	-5	-0.2%	2,175	2,224	49	2.3%	583	568	-15	-2.6%
39.5%	3,000	3,000	0	0.0%	2,923	2,918	-5	-0.2%	2,173	2,224	51	2.3%	583	563	-20	-3.3%
40.7%	3,000	3,000	0	0.0%	2,923	2,915	-8	-0.3%	2,170	2,224	54	2.5%	580	561	-19	-3.3%
42.0%	3,000	3,000	0	0.0%	2,923	2,913	-10	-0.4%	2,156	2,224	68	3.2%	578	561	-17	-3.0%
43.2%	3,000	3,000	0	0.0%	2,918	2,905	-13	-0.5%	2,134	2,224	89	4.2%	578	561	-17	-2.9%
44.4%	3,000	3,000	0	0.0%	2,915	2,902	-13	-0.4%	2,132	2,224	92	4.3%	578	550	-27	-4.7%
45.7%	3,000	3,000	0	0.0%	2,915	2,895	-20	-0.7%	2,114	2,224	110	5.2%	577	548	-29	-5.0%
46.9%	3,000	3,000	0	0.0%	2,913	2,879	-34	-1.2%	2,114	2,224	110	5.2%	577	546	-31	-5.3%
48.1%	3,000	3,000	0	0.0%	2,912	2,844	-68	-2.3%	2,114	2,224	110	5.2%	576	546	-30	-5.2%
49.4%	3,000	3,000	0	0.0%	2,902	2,828	-74	-2.6%	2,114	2,224	110	5.2%	575	545	-30	-5.2%
50.6%	3,000	3,000	0	0.0%	2,885	2,822	-62	-2.2%	2,114	2,224	110	5.2%	575	543	-32	-5.6%
51.9%	3,000	3,000	0	0.0%	2,868	2,653	-215	-7.5%	2,114	2,224	110	5.2%	572	535	-37	-6.5%
53.1%	3,000	3,000	0	0.0%	2,866	2,635	-231	-8.0%	2,114	2,221	108	5.1%	572	528	-43	-7.6%
54.3%	3,000	2,998	-2	-0.1%	2,851	2,625	-225	-7.9%	2,114	2,219	105	5.0%	571	528	-44	-7.6%
55.6%	3,000	2,996	-4	-0.1%	2,845	2,584	-261	-9.2%	2,114	2,214	100	4.8%	571	516	-55	-9.7%
56.8%	3,000	2,979	-21	-0.7%	2,844	2,475	-369	-13.0%	2,114	2,214	100	4.7%	570	509	-61	-10.7%
58.0%	3,000	2,953	-47	-1.6%	2,828	2,409	-419	-14.8%	2,114	2,214	100	4.7%	568	460	-108	-19.1%
59.3%	3,000	2,950	-50	-1.7%	2,828	2,336	-492	-17.4%	2,114	2,211	98	4.6%	564	449	-115	-20.4%
60.5%	3,000	2,940	-60	-2.0%	2,828	2,322	-506	-17.9%	2,114	2,211	97	4.6%	563	442	-121	-21.6%
61.7%	3,000	2,918	-82	-2.7%	2,828	2,295	-533	-18.9%	2,114	2,203	90	4.2%	563	437	-126	-22.4%
63.0%	3,000	2,905	-95	-3.2%	2,828	2,247	-581	-20.5%	2,114	2,195	81	3.8%	561	406	-155	-27.7%
64.2%	2,998	2,850	-148	-4.9%	2,828	2,244	-584	-20.6%	2,114	2,182	68	3.2%	561	404	-156	-27.9%
65.4%	2,998	2,792	-206	-6.9%	2,828	2,162	-666	-23.6%	2,114	2,177	64	3.0%	560	378	-183	-32.6%
66.7%	2,996	2,792	-204	-6.8%	2,828	2,110	-718	-25.4%	2,114	2,175	61	2.9%	559	363	-196	-35.0%
67.9%	2,996	2,685	-310	-10.4%	2,828	2,067	-761	-26.9%	2,114	2,171	58	2.7%	554	348	-205	-37.1%
69.1%	2,985	2,672	-314	-10.5%	2,828	1,996	-832	-29.4%	2,111	2,138	27	1.3%	553	348	-205	-37.1%
70.4%	2,969	2,529	-440	-14.8%	2,828	1,975	-853	-30.2%	2,109	2,114	5	0.2%	551	340	-211	-38.3%
71.6%	2,964	2,439	-524	-17.7%	2,828	1,869	-959	-33.9%	2,109	2,111	3	0.1%	550	306	-244	-44.4%
72.8%	2,953	2,434	-519	-17.6%	2,828	1,859	-969	-34.3%	2,109	2,109	1	0.0%	546	306	-240	-43.9%
74.1%	2,953	2,330	-623	-21.1%	2,828	1,605	-1,223	-43.2%	2,103	2,109	5	0.2%	545	306	-239	-43.9%
75.3%	2,953	2,310	-643	-21.8%	2,828	1,577	-1,251	-44.2%	2,101	2,109	8	0.4%	543	306	-237	-43.7%
76.5%	2,950	2,296	-654	-22.2%	2,828	1,549	-1,279	-45.2%	2,101	2,100	-1	-0.1%	535	306	-230	-42.9%
77.8%	2,918	2,229	-689	-23.6%	2,828	1,549	-1,279	-45.2%	2,083	2,076	-6	-0.3%	535	306	-229	-42.8%
79.0%	2,915	2,173	-743	-25.5%	2,828	1,549	-1,279	-45.2%	2,074	2,048	-26	-1.3%	528	306	-223	-42.1%
80.2%	2,905	2,044	-861	-29.6%	2,828	1,517	-1,310	-46.3%	2,053	1,985	-68	-3.3%	528	306	-223	-42.1%
81.5%	2,865	1,899	-966	-33.7%	2,823	1,471	-1,352	-47.9%	2,048	1,807	-241	-11.8%	528	303	-224	-42.5%
82.7%	2,840	1,838	-1,003	-35.3%	2,823	1,394	-1,429	-50.6%	2,039	1,751	-288	-14.1%	514	303	-211	-41.1%
84.0%	2,827	1,684	-1,143	-40.4%	2,823	1,384	-1,439	-51.0%	2,030	1,632	-398	-19.6%	509	303	-206	-40.4%
85.2%	2,792	1,679	-1,114	-39.9%	2,820	1,384	-1,436	-50.9%	2,010	1,624	-386	-19.2%	498	303	-195	-39.1%
86.4%	2,787	1,673	-1,114	-40.0%	2,810	1,384	-1,426	-50.7%	1,989	1,511	-478	-24.0%	461	303	-158	-34.3%
87.7%	2,776	1,654	-1,122	-40.4%	2,799	1,384	-1,415	-50.6%	1,883	1,440	-443	-23.5%	460	303	-156	-34.0%
88.9%	2,685	1,624	-1,061	-39.5%	2,610	1,384	-1,226	-47.0%	1,854	1,413	-442	-23.8%	442	303	-139	-31.4%
90.1%	2,439	1,622	-817	-33.5%	2,247	1,384	-863	-38.4%	1,511	1,411	-100	-6.6%	441	303	-137	-31.2%
91.4%	2,434	1,609	-825	-33.9%	2,244	1,384	-860	-38.3%	1,496	1,410	-87	-5.8%	437	301	-136	-31.2%
92.6%	2,338	1,586	-752	-32.2%	2,163	1,384	-779	-36.0%	1,440	1,397	-43	-3.0%	406	300	-105	-25.9%
93.8%	2,330	1,586	-744	-31.9%	2,162	1,384	-778	-36.0%	1,413	1,364	-48	-3.4%	404	291	-114	-28.1%
95.1%	2,326	1,585	-741	-31.9%	2,128	1,383	-745	-35.0%	1,411	1,342	-69	-4.9%	396	291	-106	-26.7%
96.3%	2,315	1,582	-733	-31.6%	2,110	1,383	-727	-34.4%	1,410	1,180	-230	-16.3%	378	286	-92	-24.3%
97.5%	2,310	1,580	-730	-31.6%	2,082	1,379	-703	-33.8%	1,397	1,180	-218	-15.6%	363	283	-80	-22.0%
98.8%	2,296	1,180	-1,116	-48.6%	2,067	1,163	-903	-43.7%	1,364	1,102	-263	-19.3%	336	241	-95	-28.3%
100.0%	2,236	1,161	-1,075	-48.1%	2,064	1,095	-969	-46.9%	1,342	835	-507	-37.8%	325	0	-325	-100.0%

Table OP-03-5a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

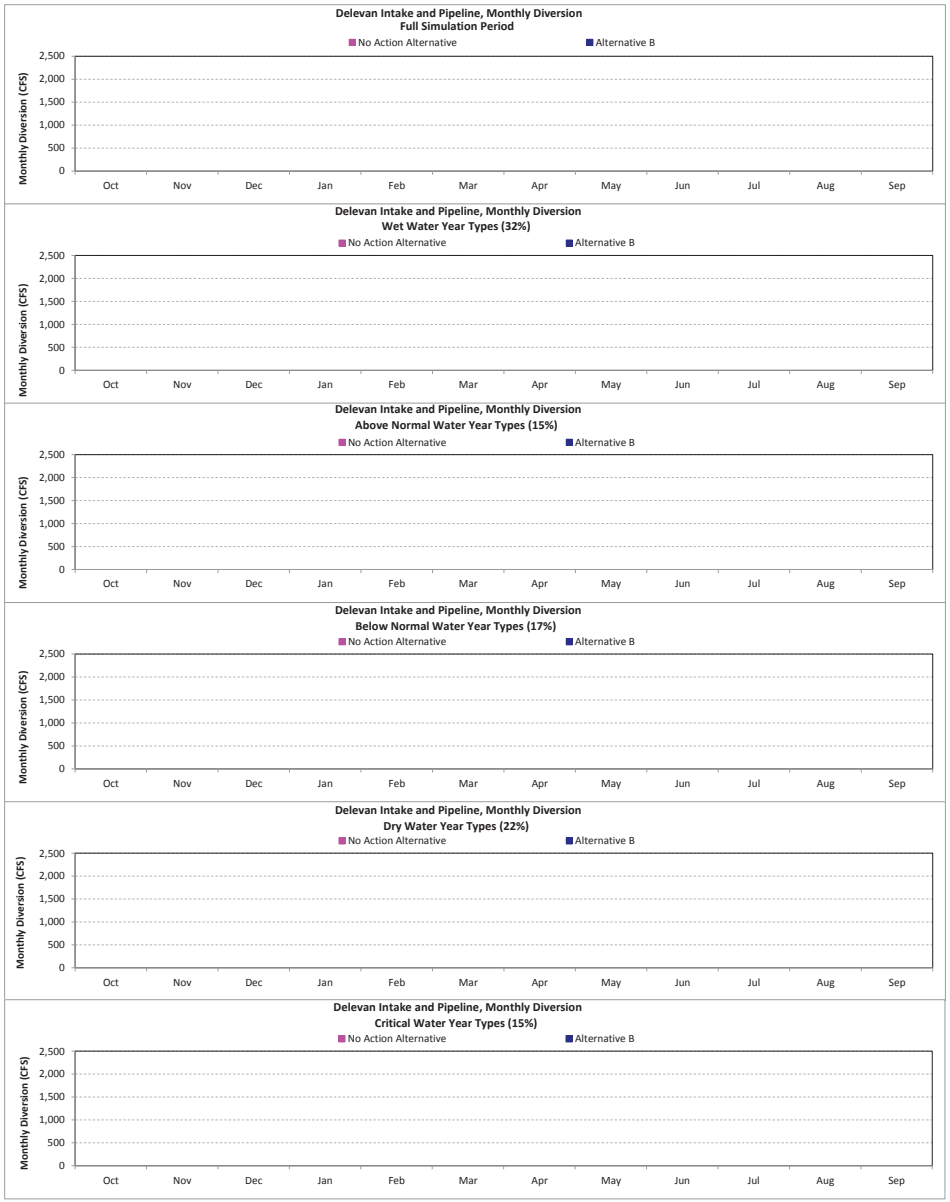


Figure OP-03-5b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

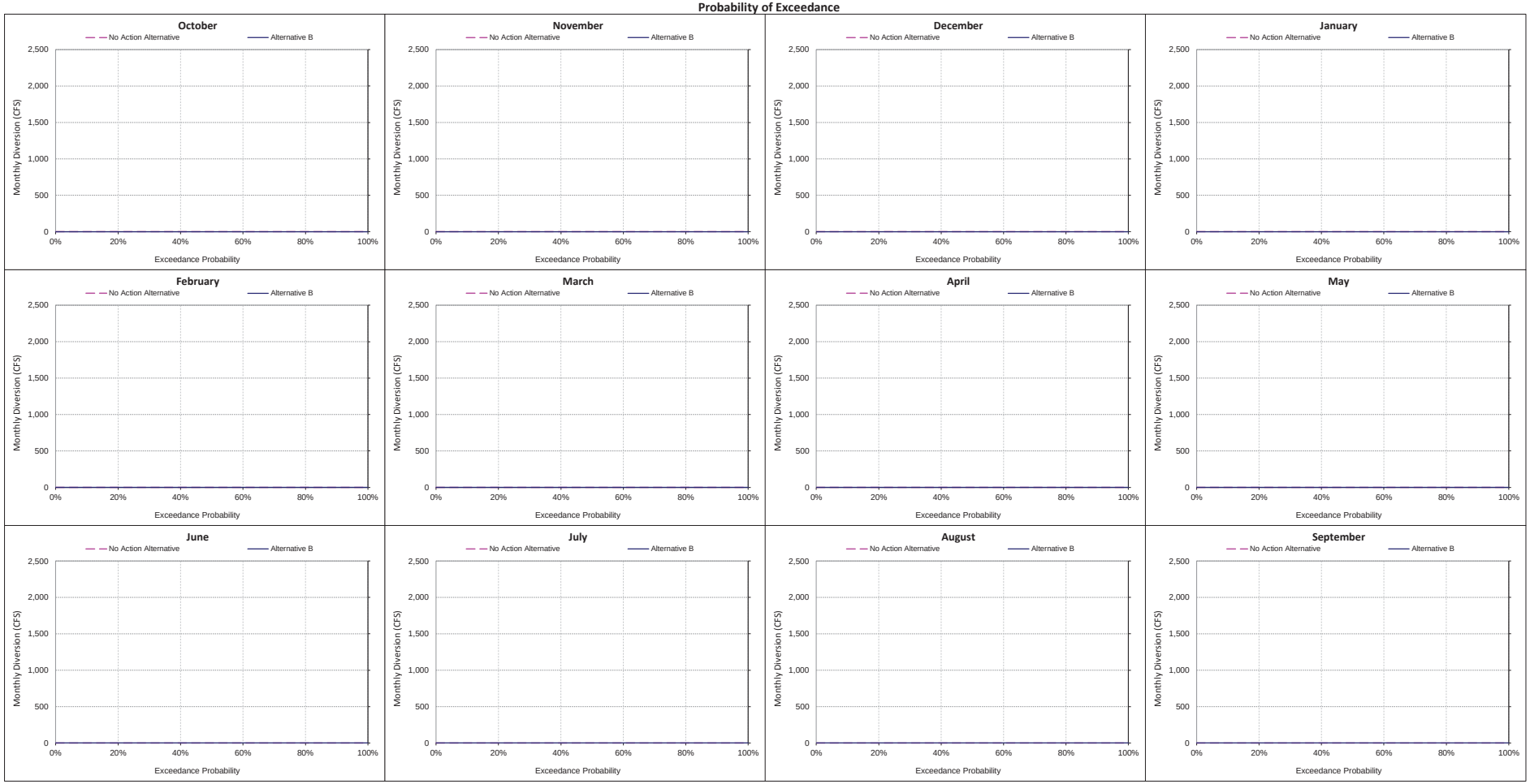


Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	0	0		0	0	0	
1.2%	0	0	0		0	0	0		0	0	0		0	0	0	
2.5%	0	0	0		0	0	0		0	0	0		0	0	0	
3.7%	0	0	0		0	0	0		0	0	0		0	0	0	
4.9%	0	0	0		0	0	0		0	0	0		0	0	0	
6.2%	0	0	0		0	0	0		0	0	0		0	0	0	
7.4%	0	0	0		0	0	0		0	0	0		0	0	0	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-5a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	78	142	1,031	1,454	1,687	2,210	828	389	53	17	120	33
Difference	78	142	1,031	1,454	1,687	2,210	828	389	53	17	120	33
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	112	153	1,301	1,847	1,887	2,345	1,311	685	14	47	349	77
Difference	112	153	1,301	1,847	1,887	2,345	1,311	685	14	47	349	77
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	273	262	1,563	1,908	2,387	3,294	1,260	914	152	0	21	0
Difference	273	262	1,563	1,908	2,387	3,294	1,260	914	152	0	21	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	83	914	1,609	1,610	2,434	808	222	147	0	0	0
Difference	0	83	914	1,609	1,610	2,434	808	222	147	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	6	162	607	1,047	1,534	1,953	409	0	0	4	14	15
Difference	6	162	607	1,047	1,534	1,953	409	0	0	4	14	15
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	9	39	683	575	876	953	0	0	11	10	24	35
Difference	9	39	683	575	876	953	0	0	11	10	24	35
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

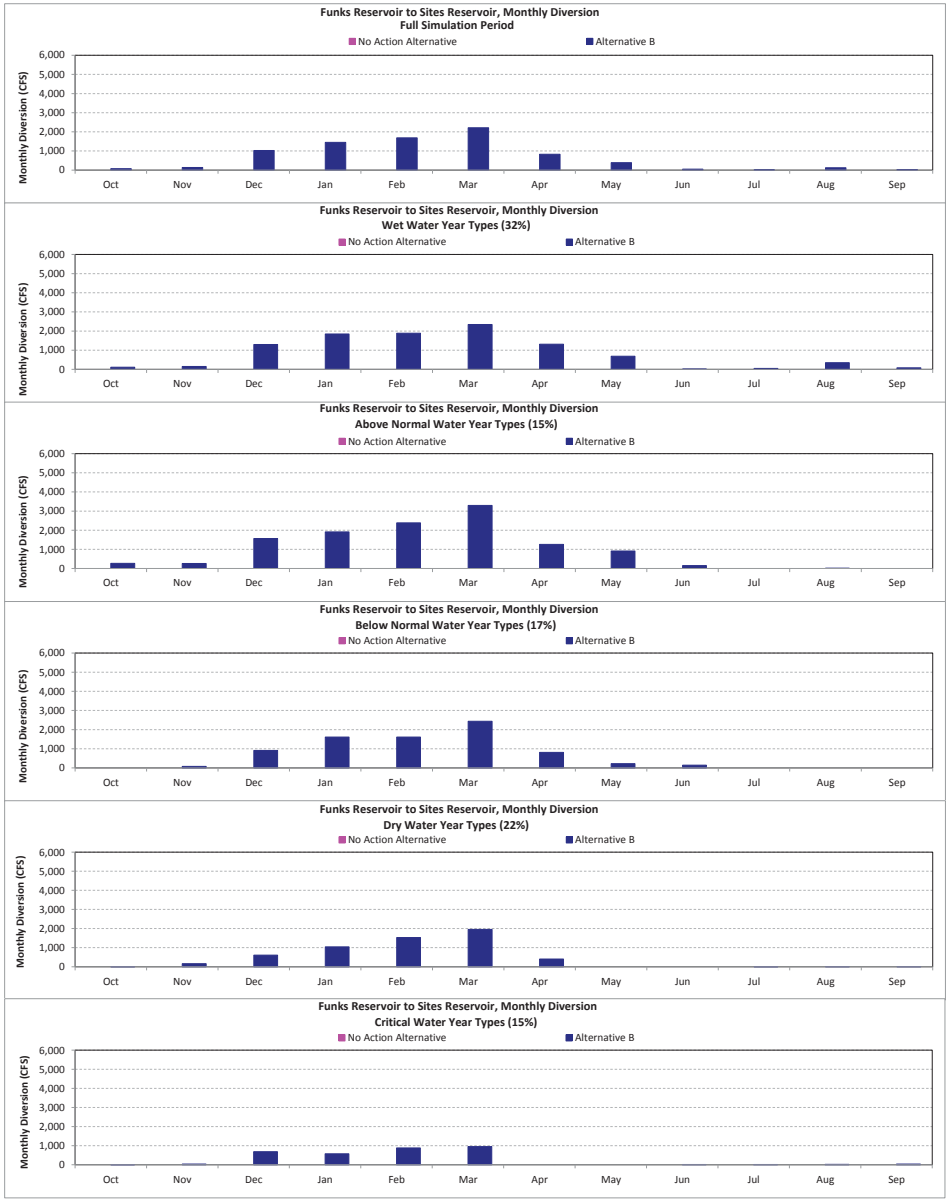


Figure OP-04-5b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

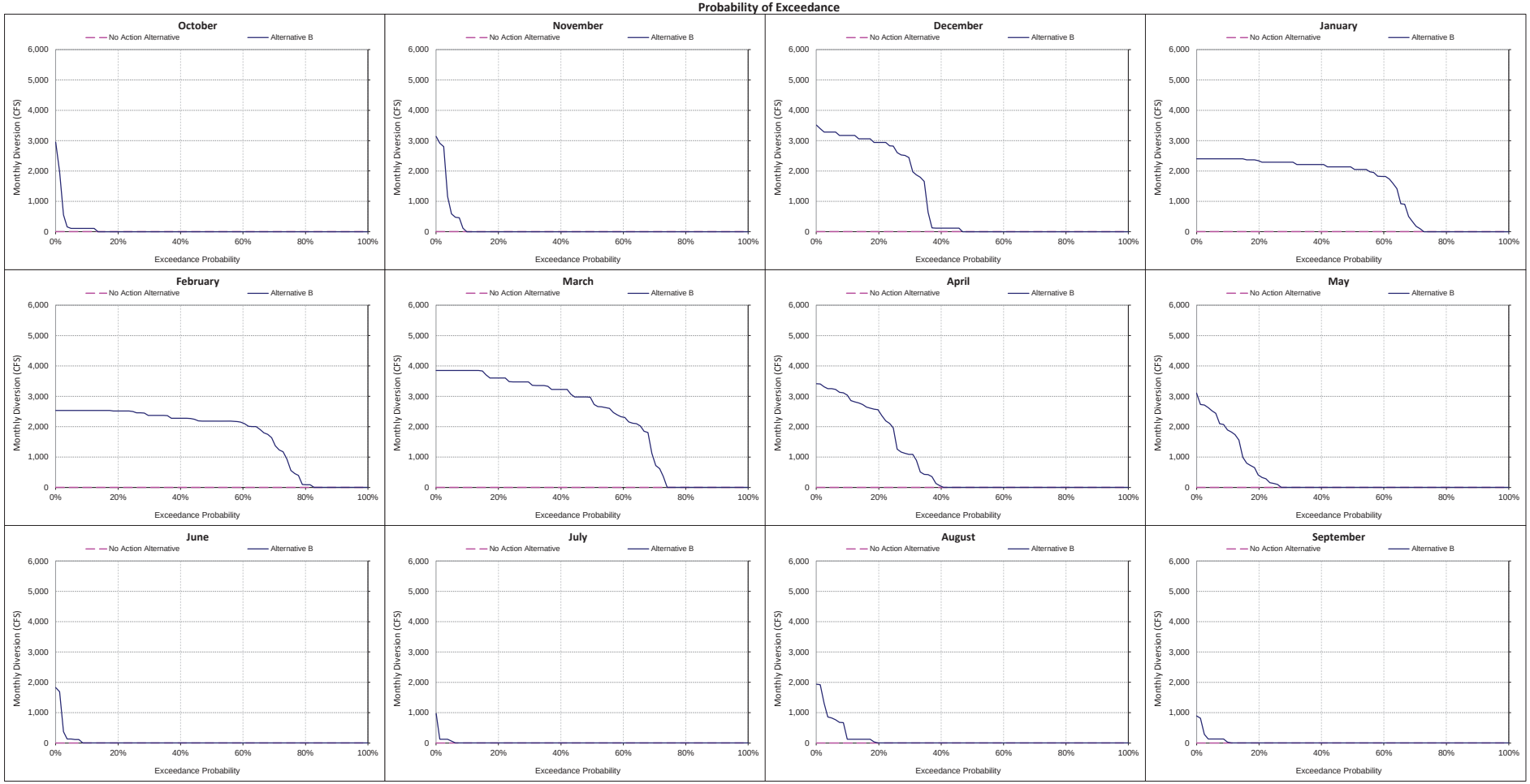


Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,950	2,950		0.0%	0	3,142	3,142		0.0%	0	3,511	3,511		0.0%	0	2,403	2,403	
1.2%	0	1,977	1,977		1.2%	0	2,917	2,917		1.2%	0	3,398	3,398		1.2%	0	2,403	2,403	
2.5%	0	555	555		2.5%	0	2,805	2,805		2.5%	0	3,284	3,284		2.5%	0	2,403	2,403	
3.7%	0	162	162		3.7%	0	1,163	1,163		3.7%	0	3,284	3,284		3.7%	0	2,403	2,403	
4.9%	0	109	109		4.9%	0	591	591		4.9%	0	3,284	3,284		4.9%	0	2,403	2,403	
6.2%	0	109	109		6.2%	0	473	473		6.2%	0	3,284	3,284		6.2%	0	2,403	2,403	
7.4%	0	109	109		7.4%	0	462	462		7.4%	0	3,171	3,171		7.4%	0	2,403	2,403	
8.6%	0	109	109		8.6%	0	112	112		8.6%	0	3,171	3,171		8.6%	0	2,403	2,403	
9.9%	0	109	109		9.9%	0	0	0		9.9%	0	3,171	3,171		9.9%	0	2,403	2,403	
11.1%	0	109	109		11.1%	0	0	0		11.1%	0	3,171	3,171		11.1%	0	2,403	2,403	
12.3%	0	109	109		12.3%	0	0	0		12.3%	0	3,171	3,171		12.3%	0	2,403	2,403	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	3,058	3,058		13.6%	0	2,403	2,403	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	3,058	3,058		14.8%	0	2,403	2,403	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	3,058	3,058		16.0%	0	2,369	2,369	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	3,058	3,058		17.3%	0	2,369	2,369	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	2,945	2,945		18.5%	0	2,369	2,369	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	2,945	2,945		19.8%	0	2,343	2,343	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	2,945	2,945		21.0%	0	2,290	2,290	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	2,945	2,945		22.2%	0	2,290	2,290	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	2,831	2,831		23.5%	0	2,290	2,290	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	2,819	2,819		24.7%	0	2,290	2,290	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	2,605	2,605		25.9%	0	2,290	2,290	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	2,526	2,526		27.2%	0	2,290	2,290	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	2,516	2,516		28.4%	0	2,290	2,290	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	2,444	2,444		29.6%	0	2,290	2,290	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	1,974	1,974		30.9%	0	2,290	2,290	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	1,874	1,874		32.1%	0	2,211	2,211	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	1,790	1,790		33.3%	0	2,211	2,211	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	1,655	1,655		34.6%	0	2,211	2,211	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	634	634		35.8%	0	2,211	2,211	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	127	127		37.0%	0	2,211	2,211	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	113	113		38.3%	0	2,211	2,211	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	113	113		39.5%	0	2,211	2,211	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	113	113		40.7%	0	2,211	2,211	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	113	113		42.0%	0	2,132	2,132	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	113	113		43.2%	0	2,132	2,132	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	113	113		44.4%	0	2,132	2,132	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	113	113		45.7%	0	2,132	2,132	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	2,132	2,132	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	2,132	2,132	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	2,132	2,132	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	2,053	2,053	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	2,053	2,053	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	2,053	2,053	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	2,053	2,053	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	1,975	1,975	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	1,945	1,945	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	1,832	1,832	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	1,817	1,817	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	1,817	1,817	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	1,738	1,738	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	1,587	1,587	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	1,418	1,418	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	919	919	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	903	903	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	501	501	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	328	328	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	180	180	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	98	98	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,536	2,536		0	3,852	3,852		0	3,417	3,417		0	3,108	3,108	
1.2%	0	2,536	2,536		0	3,852	3,852		0	3,410	3,410		0	2,729	2,729	
2.5%	0	2,536	2,536		0	3,852	3,852		0	3,309	3,309		0	2,717	2,717	
3.7%	0	2,536	2,536		0	3,852	3,852		0	3,250	3,250		0	2,630	2,630	
4.9%	0	2,536	2,536		0	3,852	3,852		0	3,250	3,250		0	2,522	2,522	
6.2%	0	2,536	2,536		0	3,852	3,852		0	3,223	3,223		0	2,443	2,443	
7.4%	0	2,536	2,536		0	3,852	3,852		0	3,132	3,132		0	2,093	2,093	
8.6%	0	2,536	2,536		0	3,852	3,852		0	3,120	3,120		0	2,075	2,075	
9.9%	0	2,536	2,536		0	3,852	3,852		0	3,040	3,040		0	1,888	1,888	
11.1%	0	2,536	2,536		0	3,852	3,852		0	2,860	2,860		0	1,826	1,826	
12.3%	0	2,536	2,536		0	3,852	3,852		0	2,814	2,814		0	1,740	1,740	
13.6%	0	2,536	2,536		0	3,852	3,852		0	2,784	2,784		0	1,556	1,556	
14.8%	0	2,536	2,536		0	3,835	3,835		0	2,730	2,730		0	990	990	
16.0%	0	2,536	2,536		0	3,706	3,706		0	2,649	2,649		0	801	801	
17.3%	0	2,536	2,536		0	3,604	3,604		0	2,608	2,608		0	720	720	
18.5%	0	2,521	2,521		0	3,603	3,603		0	2,578	2,578		0	654	654	
19.8%	0	2,521	2,521		0	3,603	3,603		0	2,563	2,563		0	412	412	
21.0%	0	2,521	2,521		0	3,603	3,603		0	2,361	2,361		0	330	330	
22.2%	0	2,521	2,521		0	3,603	3,603		0	2,188	2,188		0	282	282	
23.5%	0	2,521	2,521		0	3,482	3,482		0	2,106	2,106		0	156	156	
24.7%	0	2,497	2,497		0	3,479	3,479		0	1,961	1,961		0	126	126	
25.9%	0	2,459	2,459		0	3,479	3,479		0	1,262	1,262		0	92	92	
27.2%	0	2,459	2,459		0	3,479	3,479		0	1,168	1,168		0	0	0	
28.4%	0	2,447	2,447		0	3,479	3,479		0	1,122	1,122		0	0	0	
29.6%	0	2,368	2,368		0	3,479	3,479		0	1,089	1,089		0	0	0	
30.9%	0	2,368	2,368		0	3,367	3,367		0	1,088	1,088		0	0	0	
32.1%	0	2,368	2,368		0	3,355	3,355		0	893	893		0	0	0	
33.3%	0	2,368	2,368		0	3,355	3,355		0	505	505		0	0	0	
34.6%	0	2,368	2,368		0	3,355	3,355		0	427	427		0	0	0	
35.8%	0	2,360	2,360		0	3,328	3,328		0	421	421		0	0	0	
37.0%	0	2,277	2,277		0	3,231	3,231		0	349	349		0	0	0	
38.3%	0	2,277	2,277		0	3,231	3,231		0	130	130		0	0	0	
39.5%	0	2,277	2,277		0	3,231	3,231		0	61	61		0	0	0	
40.7%	0	2,277	2,277		0	3,231	3,231		0	0	0		0	0	0	
42.0%	0	2,277	2,277		0	3,231	3,231		0	0	0		0	0	0	
43.2%	0	2,272	2,272		0	3,066	3,066		0	0	0		0	0	0	
44.4%	0	2,243	2,243		0	2,982	2,982		0	0	0		0	0	0	
45.7%	0	2,190	2,190		0	2,982	2,982		0	0	0		0	0	0	
46.9%	0	2,186	2,186		0	2,982	2,982		0	0	0		0	0	0	
48.1%	0	2,186	2,186		0	2,977	2,977		0	0	0		0	0	0	
49.4%	0	2,186	2,186		0	2,974	2,974		0	0	0		0	0	0	
50.6%	0	2,186	2,186		0	2,734	2,734		0	0	0		0	0	0	
51.9%	0	2,186	2,186		0	2,663	2,663		0	0	0		0	0	0	
53.1%	0	2,186	2,186		0	2,652	2,652		0	0	0		0	0	0	
54.3%	0	2,186	2,186		0	2,631	2,631		0	0	0		0	0	0	
55.6%	0	2,185	2,185		0	2,601	2,601		0	0	0		0	0	0	
56.8%	0	2,185	2,185		0	2,467	2,467		0	0	0		0	0	0	
58.0%	0	2,170	2,170		0	2,385	2,385		0	0	0		0	0	0	
59.3%	0	2,150	2,150		0	2,331	2,331		0	0	0		0	0	0	
60.5%	0	2,095	2,095		0	2,307	2,307		0	0	0		0	0	0	
61.7%	0	2,010	2,010		0	2,161	2,161		0	0	0		0	0	0	
63.0%	0	2,004	2,004		0	2,117	2,117		0	0	0		0	0	0	
64.2%	0	2,004	2,004		0	2,100	2,100		0	0	0		0	0	0	
65.4%	0	1,913	1,913		0	2,022	2,022		0	0	0		0	0	0	
66.7%	0	1,801	1,801		0	1,845	1,845		0	0	0		0	0	0	
67.9%	0	1,748	1,748		0	1,810	1,810		0	0	0		0	0	0	
69.1%	0	1,639	1,639		0	1,121	1,121		0	0	0		0	0	0	
70.4%	0	1,366	1,366		0	724	724		0	0	0		0	0	0	
71.6%	0	1,230	1,230		0	618	618		0	0	0		0	0	0	
72.8%	0	1,176	1,176		0	360	360		0	0	0		0	0	0	
74.1%	0	923	923		0	0	0		0	0	0		0	0	0	
75.3%	0	555	555		0	0	0		0	0	0		0	0	0	
76.5%	0	454	454		0	0	0		0	0	0		0	0	0	
77.8%	0	391	391		0	0	0		0	0	0		0	0	0	
79.0%	0	91	91		0	0	0		0	0	0		0	0	0	
80.2%	0	88	88		0	0	0		0	0	0		0	0	0	
81.5%	0	87	87		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Diversion (CFS)	Monthly Diversion (CFS)			Monthly Diversion (CFS)	Monthly Diversion (CFS)			Monthly Diversion (CFS)	Monthly Diversion (CFS)			Monthly Diversion (CFS)	Monthly Diversion (CFS)		
0.0%	0	1,825	1,825		0	967	967		0	1,936	1,936		0	896	896	
1.2%	0	1,690	1,690		0	126	126		0	1,923	1,923		0	813	813	
2.5%	0	373	373		0	126	126		0	1,302	1,302		0	289	289	
3.7%	0	130	130		0	126	126		0	859	859		0	134	134	
4.9%	0	130	130		0	67	67		0	824	824		0	130	130	
6.2%	0	119	119		0	0	0		0	764	764		0	130	130	
7.4%	0	119	119		0	0	0		0	677	677		0	130	130	
8.6%	0	0	0		0	0	0		0	675	675		0	130	130	
9.9%	0	0	0		0	0	0		0	126	126		0	27	27	
11.1%	0	0	0		0	0	0		0	126	126		0	0	0	
12.3%	0	0	0		0	0	0		0	126	126		0	0	0	
13.6%	0	0	0		0	0	0		0	126	126		0	0	0	
14.8%	0	0	0		0	0	0		0	126	126		0	0	0	
16.0%	0	0	0		0	0	0		0	126	126		0	0	0	
17.3%	0	0	0		0	0	0		0	126	126		0	0	0	
18.5%	0	0	0		0	0	0		0	39	39		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

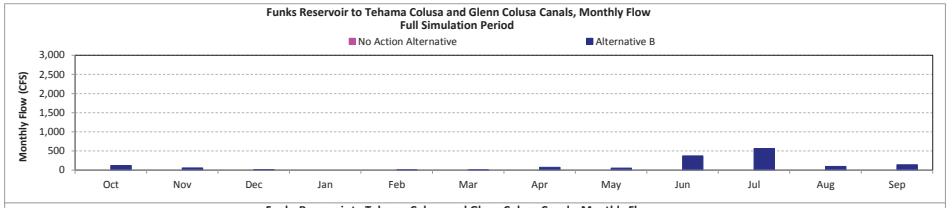
Table OP-05-5a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

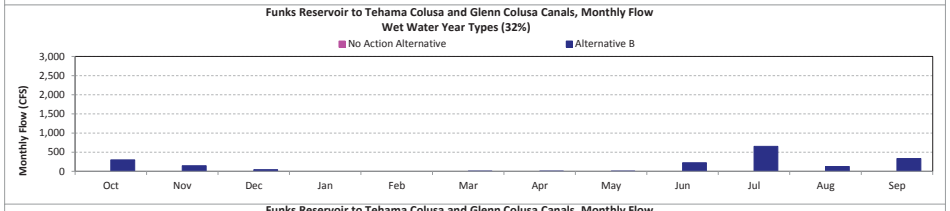
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	119	60	15	0	0	0	73	54	373	567	98	140
Difference	119	60	15	0	0	0	73	54	373	567	98	140
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	299	145	43	0	0	0	0	0	223	652	126	335
Difference	299	145	43	0	0	0	0	0	223	652	126	335
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	47	43	0	0	0	0	0	0	424	857	231	145
Difference	47	43	0	0	0	0	0	0	424	857	231	145
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	32	3	1	0	0	0	0	1	476	714	4	22
Difference	32	3	1	0	0	0	0	1	476	714	4	22
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	54	30	5	0	0	0	154	144	493	320	107	38
Difference	54	30	5	0	0	0	154	144	493	320	107	38
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1	1	1	0	0	0	266	152	343	288	0	1
Difference	1	1	1	0	0	0	266	152	343	288	0	1
Percent Difference												

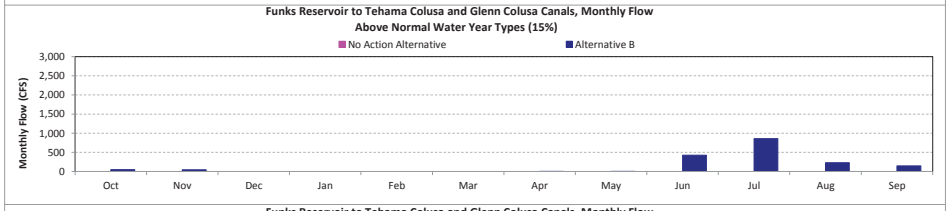
1 Based on the 82-year simulation period

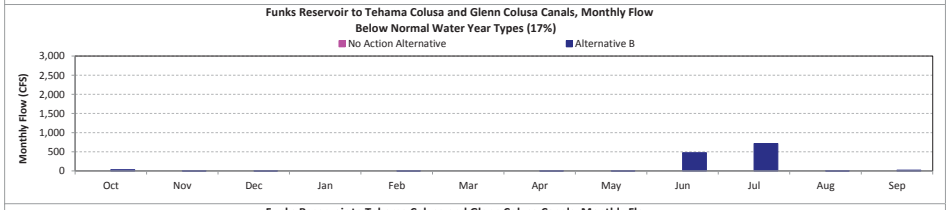
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

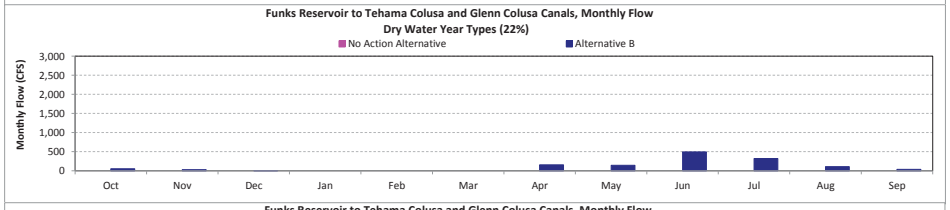
3 Relative difference of the monthly average











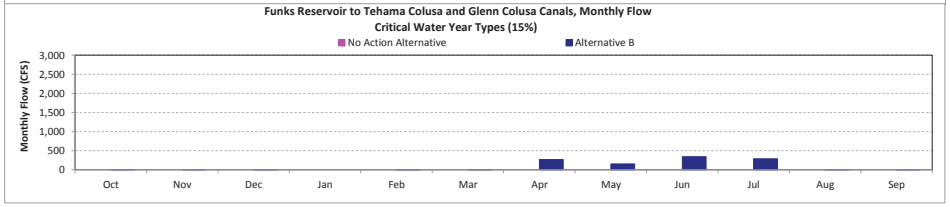


Figure OP-05-5b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

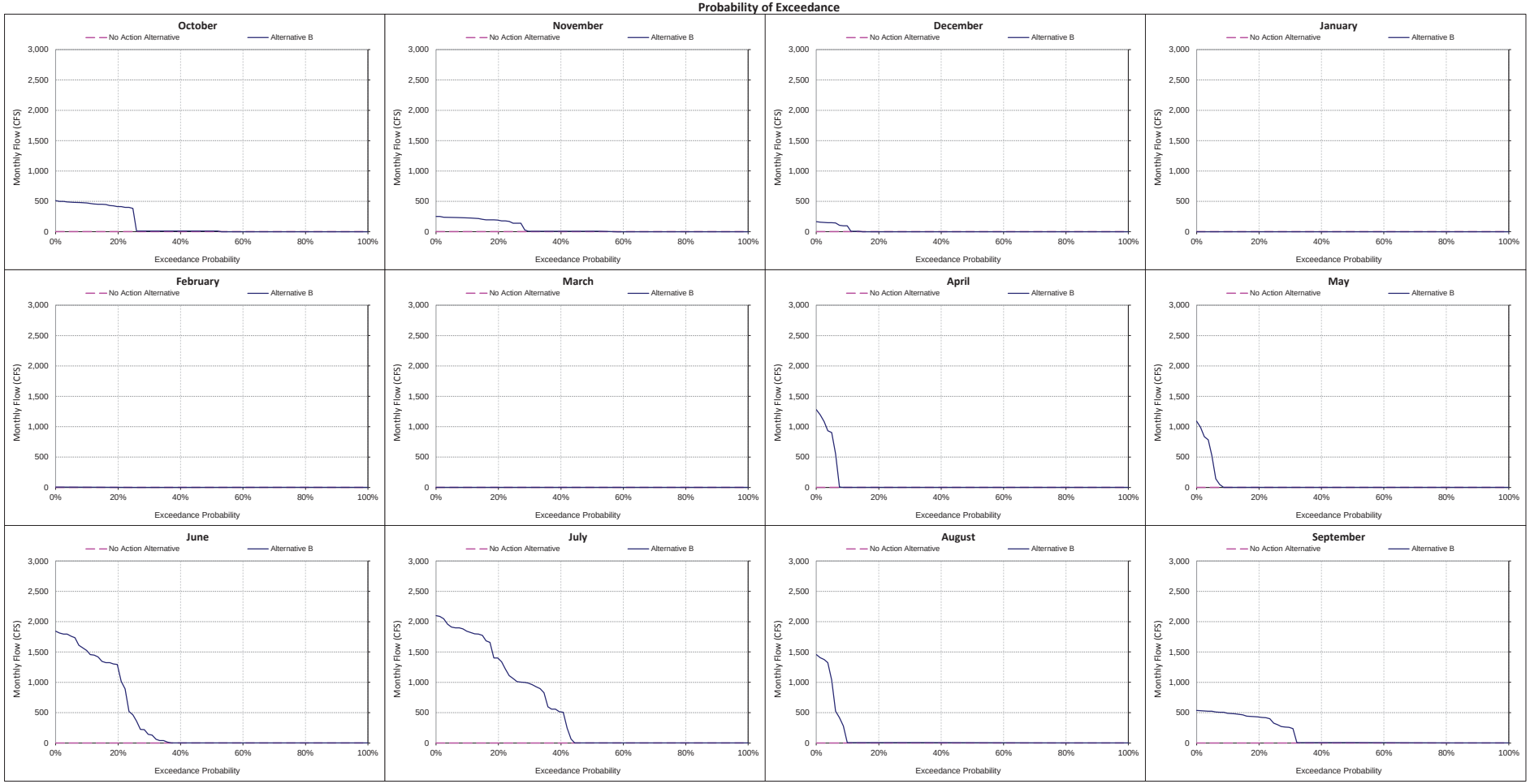


Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	511	511		0.0%	0	250	250		0.0%	0	165	165		0.0%	0	0	0	
1.2%	0	498	498		1.2%	0	248	248		1.2%	0	157	157		1.2%	0	0	0	
2.5%	0	497	497		2.5%	0	239	239		2.5%	0	151	151		2.5%	0	0	0	
3.7%	0	488	488		3.7%	0	237	237		3.7%	0	146	146		3.7%	0	0	0	
4.9%	0	487	487		4.9%	0	232	232		4.9%	0	146	146		4.9%	0	0	0	
6.2%	0	481	481		6.2%	0	232	232		6.2%	0	143	143		6.2%	0	0	0	
7.4%	0	481	481		7.4%	0	232	232		7.4%	0	103	103		7.4%	0	0	0	
8.6%	0	478	478		8.6%	0	229	229		8.6%	0	98	98		8.6%	0	0	0	
9.9%	0	472	472		9.9%	0	224	224		9.9%	0	98	98		9.9%	0	0	0	
11.1%	0	466	466		11.1%	0	223	223		11.1%	0	7	7		11.1%	0	0	0	
12.3%	0	454	454		12.3%	0	219	219		12.3%	0	7	7		12.3%	0	0	0	
13.6%	0	453	453		13.6%	0	215	215		13.6%	0	7	7		13.6%	0	0	0	
14.8%	0	453	453		14.8%	0	203	203		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	449	449		16.0%	0	196	196		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	432	432		17.3%	0	193	193		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	424	424		18.5%	0	193	193		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	414	414		19.8%	0	192	192		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	414	414		21.0%	0	179	179		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	400	400		22.2%	0	177	177		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	400	400		23.5%	0	170	170		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	385	385		24.7%	0	140	140		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	10	10		25.9%	0	140	140		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	10	10		27.2%	0	140	140		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	10	10		28.4%	0	29	29		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	10	10		29.6%	0	7	7		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	10	10		30.9%	0	7	7		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	10	10		32.1%	0	7	7		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	10	10		33.3%	0	7	7		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	10	10		34.6%	0	7	7		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	10	10		35.8%	0	7	7		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	10	10		37.0%	0	7	7		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	10	10		38.3%	0	7	7		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	10	10		39.5%	0	7	7		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	10	10		40.7%	0	7	7		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	10	10		42.0%	0	7	7		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	10	10		43.2%	0	7	7		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	10	10		44.4%	0	7	7		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	10	10		45.7%	0	7	7		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	10	10		46.9%	0	7	7		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	10	10		48.1%	0	7	7		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	10	10		49.4%	0	7	7		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	10	10		50.6%	0	7	7		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	10	10		51.9%	0	7	7		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	7	7		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	7	7		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4		0.0%	0	1	1		0.0%	0	1,280	1,280		0.0%	0	1,091	1,091	
1.2%	0	4	4		1.2%	0	1	1		1.2%	0	1,194	1,194		1.2%	0	993	993	
2.5%	0	0	0		2.5%	0	1	1		2.5%	0	1,082	1,082		2.5%	0	836	836	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	934	934		3.7%	0	785	785	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	903	903		4.9%	0	521	521	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	553	553		6.2%	0	141	141	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	6	6		7.4%	0	46	46	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	1	1	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	1	1	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	1	1	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	1	1	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	1	1	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	1	1	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	1	1	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	1	1	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	1	1	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	1	1	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	1	1	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	1	1	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	1	1	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	1	1	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	1	1	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	1	1	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	1	1	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	1	1	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	1	1	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	1	1	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	1	1	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	1	1	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	1	1	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	1	1	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	1	1	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,841	1,841		0.0%	0	2,099	2,099		0.0%	0	1,458	1,458		0.0%	0	537	537	
1.2%	0	1,814	1,814		1.2%	0	2,086	2,086		1.2%	0	1,405	1,405		1.2%	0	531	531	
2.5%	0	1,795	1,795		2.5%	0	2,047	2,047		2.5%	0	1,375	1,375		2.5%	0	528	528	
3.7%	0	1,793	1,793		3.7%	0	1,956	1,956		3.7%	0	1,323	1,323		3.7%	0	524	524	
4.9%	0	1,762	1,762		4.9%	0	1,912	1,912		4.9%	0	1,037	1,037		4.9%	0	524	524	
6.2%	0	1,737	1,737		6.2%	0	1,897	1,897		6.2%	0	523	523		6.2%	0	512	512	
7.4%	0	1,610	1,610		7.4%	0	1,897	1,897		7.4%	0	419	419		7.4%	0	508	508	
8.6%	0	1,569	1,569		8.6%	0	1,882	1,882		8.6%	0	278	278		8.6%	0	508	508	
9.9%	0	1,526	1,526		9.9%	0	1,842	1,842		9.9%	0	5	5		9.9%	0	491	491	
11.1%	0	1,457	1,457		11.1%	0	1,819	1,819		11.1%	0	5	5		11.1%	0	486	486	
12.3%	0	1,449	1,449		12.3%	0	1,801	1,801		12.3%	0	5	5		12.3%	0	480	480	
13.6%	0	1,418	1,418		13.6%	0	1,794	1,794		13.6%	0	5	5		13.6%	0	471	471	
14.8%	0	1,345	1,345		14.8%	0	1,773	1,773		14.8%	0	5	5		14.8%	0	466	466	
16.0%	0	1,326	1,326		16.0%	0	1,684	1,684		16.0%	0	5	5		16.0%	0	441	441	
17.3%	0	1,324	1,324		17.3%	0	1,659	1,659		17.3%	0	5	5		17.3%	0	437	437	
18.5%	0	1,305	1,305		18.5%	0	1,402	1,402		18.5%	0	5	5		18.5%	0	432	432	
19.8%	0	1,294	1,294		19.8%	0	1,400	1,400		19.8%	0	5	5		19.8%	0	430	430	
21.0%	0	1,017	1,017		21.0%	0	1,339	1,339		21.0%	0	5	5		21.0%	0	420	420	
22.2%	0	893	893		22.2%	0	1,222	1,222		22.2%	0	5	5		22.2%	0	417	417	
23.5%	0	519	519		23.5%	0	1,111	1,111		23.5%	0	5	5		23.5%	0	401	401	
24.7%	0	464	464		24.7%	0	1,063	1,063		24.7%	0	5	5		24.7%	0	326	326	
25.9%	0	362	362		25.9%	0	1,010	1,010		25.9%	0	5	5		25.9%	0	302	302	
27.2%	0	223	223		27.2%	0	1,004	1,004		27.2%	0	5	5		27.2%	0	272	272	
28.4%	0	220	220		28.4%	0	1,000	1,000		28.4%	0	5	5		28.4%	0	263	263	
29.6%	0	142	142		29.6%	0	988	988		29.6%	0	5	5		29.6%	0	260	260	
30.9%	0	129	129		30.9%	0	963	963		30.9%	0	5	5		30.9%	0	239	239	
32.1%	0	61	61		32.1%	0	926	926		32.1%	0	5	5		32.1%	0	7	7	
33.3%	0	40	40		33.3%	0	896	896		33.3%	0	5	5		33.3%	0	7	7	
34.6%	0	40	40		34.6%	0	828	828		34.6%	0	5	5		34.6%	0	7	7	
35.8%	0	13	13		35.8%	0	597	597		35.8%	0	5	5		35.8%	0	7	7	
37.0%	0	2	2		37.0%	0	559	559		37.0%	0	5	5		37.0%	0	7	7	
38.3%	0	2	2		38.3%	0	557	557		38.3%	0	5	5		38.3%	0	7	7	
39.5%	0	2	2		39.5%	0	515	515		39.5%	0	5	5		39.5%	0	7	7	
40.7%	0	2	2		40.7%	0	508	508		40.7%	0	5	5		40.7%	0	7	7	
42.0%	0	2	2		42.0%	0	244	244		42.0%	0	5	5		42.0%	0	7	7	
43.2%	0	2	2		43.2%	0	67	67		43.2%	0	5	5		43.2%	0	7	7	
44.4%	0	2	2		44.4%	0	4	4		44.4%	0	5	5		44.4%	0	7	7	
45.7%	0	2	2		45.7%	0	4	4		45.7%	0	5	5		45.7%	0	7	7	
46.9%	0	2	2		46.9%	0	4	4		46.9%	0	5	5		46.9%	0	7	7	
48.1%	0	2	2		48.1%	0	4	4		48.1%	0	5	5		48.1%	0	7	7	
49.4%	0	2	2		49.4%	0	4	4		49.4%	0	5	5		49.4%	0	7	7	
50.6%	0	2	2		50.6%	0	4	4		50.6%	0	5	5		50.6%	0	7	7	
51.9%	0	2	2		51.9%	0	4	4		51.9%	0	5	5		51.9%	0	7	7	
53.1%	0	2	2		53.1%	0	4	4		53.1%	0	5	5		53.1%	0	7	7	
54.3%	0	2	2		54.3%	0	4	4		54.3%	0	5	5		54.3%	0	7	7	
55.6%	0	2	2		55.6%	0	4	4		55.6%	0	5	5		55.6%	0	7	7	
56.8%	0	2	2		56.8%	0	4	4		56.8%	0	5	5		56.8%	0	7	7	
58.0%	0	2	2		58.0%	0	4	4		58.0%	0	5	5		58.0%	0	7	7	
59.3%	0	2	2		59.3%	0	4	4		59.3%	0	5	5		59.3%	0	7	7	
60.5%	0	2	2		60.5%	0	4	4		60.5%	0	5	5		60.5%	0	7	7	
61.7%	0	2	2		61.7%	0	4	4		61.7%	0	5	5		61.7%	0	7	7	
63.0%	0	2	2		63.0%	0	4	4		63.0%	0	0	0		63.0%	0	7	7	
64.2%	0	2	2		64.2%	0	4	4		64.2%	0	0	0		64.2%	0	7	7	
65.4%	0	2	2		65.4%	0	4	4		65.4%	0	0	0		65.4%	0	7	7	
66.7%	0	2	2		66.7%	0	4	4		66.7%	0	0	0		66.7%	0	7	7	
67.9%	0	2	2		67.9%	0	4	4		67.9%	0	0	0		67.9%	0	7	7	
69.1%	0	2	2		69.1%	0	4	4		69.1%	0	0	0		69.1%	0	7	7	
70.4%	0	2	2		70.4%	0	4	4		70.4%	0	0	0		70.4%	0	7	7	
71.6%	0	2	2		71.6%	0	4	4		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	2	2		72.8%	0	4	4		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	2	2		74.1%	0	4	4		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	4	4		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	4	4		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	4	4		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	4	4		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-5a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	712	784	74	0	35	71	495	551	658	996	801	945
Difference	712	784	74	0	35	71	495	551	658	996	801	945
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	938	1,185	63	0	0	9	235	165	278	649	532	1,220
Difference	938	1,185	63	0	0	9	235	165	278	649	532	1,220
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	794	1,196	44	0	0	0	284	251	421	1,148	742	1,189
Difference	794	1,196	44	0	0	0	284	251	421	1,148	742	1,189
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	441	459	78	0	41	0	480	700	636	1,090	819	585
Difference	441	459	78	0	41	0	480	700	636	1,090	819	585
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	761	573	120	0	0	83	789	959	1,036	1,264	1,333	1,038
Difference	761	573	120	0	0	83	789	959	1,036	1,264	1,333	1,038
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	382	197	58	0	189	343	844	902	1,177	1,082	622	386
Difference	382	197	58	0	189	343	844	902	1,177	1,082	622	386
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

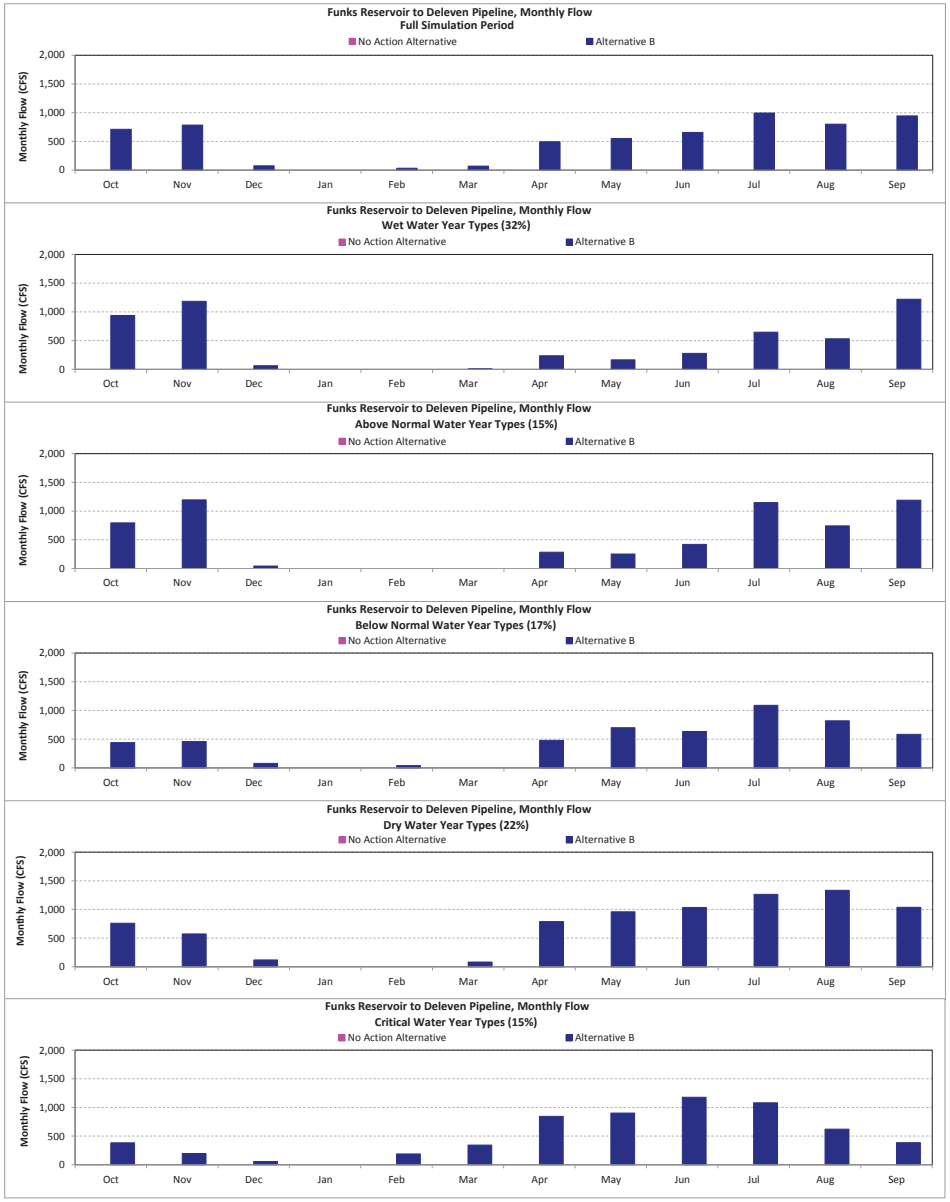


Figure OP-06-5b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

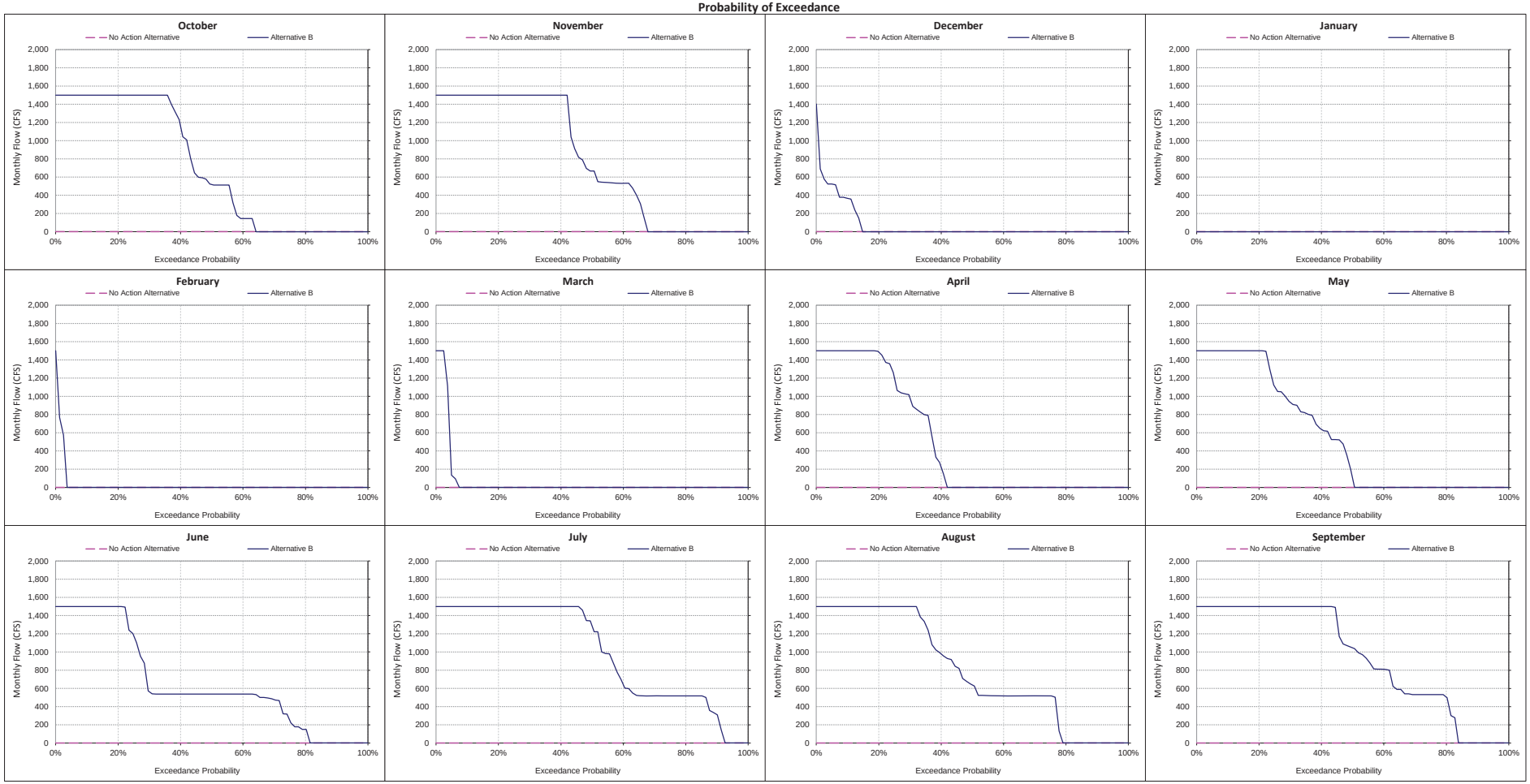


Table OP-06-5b

Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,403	1,403		0.0%	0	0	0	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	690	690		1.2%	0	0	0	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	578	578		2.5%	0	0	0	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	523	523		3.7%	0	0	0	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	523	523		4.9%	0	0	0	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	516	516		6.2%	0	0	0	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	379	379		7.4%	0	0	0	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	377	377		8.6%	0	0	0	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	366	366		9.9%	0	0	0	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	358	358		11.1%	0	0	0	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	239	239		12.3%	0	0	0	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	151	151		13.6%	0	0	0	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,500	1,500		33.3%	0	1,500	1,500		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,500	1,500		34.6%	0	1,500	1,500		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,500	1,500		35.8%	0	1,500	1,500		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,399	1,399		37.0%	0	1,500	1,500		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	1,315	1,315		38.3%	0	1,500	1,500		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	1,231	1,231		39.5%	0	1,500	1,500		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	1,044	1,044		40.7%	0	1,500	1,500		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	1,009	1,009		42.0%	0	1,500	1,500		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	807	807		43.2%	0	1,041	1,041		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	645	645		44.4%	0	913	913		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	598	598		45.7%	0	818	818		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	593	593		46.9%	0	789	789		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	578	578		48.1%	0	695	695		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	523	523		49.4%	0	667	667		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	512	512		50.6%	0	667	667		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	512	512		51.9%	0	548	548		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	512	512		53.1%	0	544	544		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	512	512		54.3%	0	540	540		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	512	512		55.6%	0	540	540		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	317	317		56.8%	0	533	533		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	179	179		58.0%	0	533	533		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	145	145		59.3%	0	533	533		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	145	145		60.5%	0	533	533		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	145	145		61.7%	0	533	533		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	145	145		63.0%	0	477	477		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	400	400		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	308	308		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	156	156		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-5b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
1.2%	0	768	768		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
2.5%	0	575	575		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
3.7%	0	0	0		0	1,114	1,114		0	1,500	1,500		0	1,500	1,500	
4.9%	0	0	0		0	133	133		0	1,500	1,500		0	1,500	1,500	
6.2%	0	0	0		0	94	94		0	1,500	1,500		0	1,500	1,500	
7.4%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
8.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
9.9%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
11.1%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
12.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
13.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
14.8%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
16.0%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
17.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
18.5%	0	0	0		0	0	0		0	1,500	1,500		0	1,500	1,500	
19.8%	0	0	0		0	0	0		0	1,496	1,496		0	1,500	1,500	
21.0%	0	0	0		0	0	0		0	1,453	1,453		0	1,500	1,500	
22.2%	0	0	0		0	0	0		0	1,373	1,373		0	1,494	1,494	
23.5%	0	0	0		0	0	0		0	1,359	1,359		0	1,297	1,297	
24.7%	0	0	0		0	0	0		0	1,262	1,262		0	1,125	1,125	
25.9%	0	0	0		0	0	0		0	1,064	1,064		0	1,052	1,052	
27.2%	0	0	0		0	0	0		0	1,040	1,040		0	1,049	1,049	
28.4%	0	0	0		0	0	0		0	1,026	1,026		0	1,001	1,001	
29.6%	0	0	0		0	0	0		0	1,019	1,019		0	945	945	
30.9%	0	0	0		0	0	0		0	891	891		0	910	910	
32.1%	0	0	0		0	0	0		0	858	858		0	903	903	
33.3%	0	0	0		0	0	0		0	827	827		0	830	830	
34.6%	0	0	0		0	0	0		0	799	799		0	821	821	
35.8%	0	0	0		0	0	0		0	789	789		0	800	800	
37.0%	0	0	0		0	0	0		0	558	558		0	789	789	
38.3%	0	0	0		0	0	0		0	330	330		0	694	694	
39.5%	0	0	0		0	0	0		0	273	273		0	647	647	
40.7%	0	0	0		0	0	0		0	150	150		0	622	622	
42.0%	0	0	0		0	0	0		0	0	0		0	616	616	
43.2%	0	0	0		0	0	0		0	0	0		0	526	526	
44.4%	0	0	0		0	0	0		0	0	0		0	525	525	
45.7%	0	0	0		0	0	0		0	0	0		0	523	523	
46.9%	0	0	0		0	0	0		0	0	0		0	476	476	
48.1%	0	0	0		0	0	0		0	0	0		0	357	357	
49.4%	0	0	0		0	0	0		0	0	0		0	198	198	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

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Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500	
22.2%	0	1,493	1,493		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500	
23.5%	0	1,241	1,241		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500	
24.7%	0	1,203	1,203		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500	
25.9%	0	1,102	1,102		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500	
27.2%	0	955	955		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500	
28.4%	0	878	878		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500	
29.6%	0	573	573		29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	1,500	1,500	
30.9%	0	540	540		30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	1,500	1,500	
32.1%	0	538	538		32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	1,500	1,500	
33.3%	0	538	538		33.3%	0	1,500	1,500		33.3%	0	1,384	1,384		33.3%	0	1,500	1,500	
34.6%	0	538	538		34.6%	0	1,500	1,500		34.6%	0	1,336	1,336		34.6%	0	1,500	1,500	
35.8%	0	538	538		35.8%	0	1,500	1,500		35.8%	0	1,239	1,239		35.8%	0	1,500	1,500	
37.0%	0	538	538		37.0%	0	1,500	1,500		37.0%	0	1,080	1,080		37.0%	0	1,500	1,500	
38.3%	0	538	538		38.3%	0	1,500	1,500		38.3%	0	1,024	1,024		38.3%	0	1,500	1,500	
39.5%	0	538	538		39.5%	0	1,500	1,500		39.5%	0	994	994		39.5%	0	1,500	1,500	
40.7%	0	538	538		40.7%	0	1,500	1,500		40.7%	0	956	956		40.7%	0	1,500	1,500	
42.0%	0	538	538		42.0%	0	1,500	1,500		42.0%	0	928	928		42.0%	0	1,500	1,500	
43.2%	0	538	538		43.2%	0	1,500	1,500		43.2%	0	916	916		43.2%	0	1,500	1,500	
44.4%	0	538	538		44.4%	0	1,500	1,500		44.4%	0	844	844		44.4%	0	1,490	1,490	
45.7%	0	538	538		45.7%	0	1,500	1,500		45.7%	0	819	819		45.7%	0	1,170	1,170	
46.9%	0	538	538		46.9%	0	1,459	1,459		46.9%	0	708	708		46.9%	0	1,089	1,089	
48.1%	0	538	538		48.1%	0	1,346	1,346		48.1%	0	678	678		48.1%	0	1,072	1,072	
49.4%	0	538	538		49.4%	0	1,342	1,342		49.4%	0	648	648		49.4%	0	1,054	1,054	
50.6%	0	538	538		50.6%	0	1,223	1,223		50.6%	0	627	627		50.6%	0	1,036	1,036	
51.9%	0	538	538		51.9%	0	1,223	1,223		51.9%	0	523	523		51.9%	0	991	991	
53.1%	0	538	538		53.1%	0	1,000	1,000		53.1%	0	523	523		53.1%	0	971	971	
54.3%	0	538	538		54.3%	0	982	982		54.3%	0	523	523		54.3%	0	931	931	
55.6%	0	538	538		55.6%	0	981	981		55.6%	0	517	517		55.6%	0	879	879	
56.8%	0	538	538		56.8%	0	876	876		56.8%	0	517	517		56.8%	0	814	814	
58.0%	0	538	538		58.0%	0	773	773		58.0%	0	517	517		58.0%	0	813	813	
59.3%	0	538	538		59.3%	0	700	700		59.3%	0	517	517		59.3%	0	812	812	
60.5%	0	538	538		60.5%	0	603	603		60.5%	0	517	517		60.5%	0	810	810	
61.7%	0	538	538		61.7%	0	598	598		61.7%	0	517	517		61.7%	0	800	800	
63.0%	0	538	538		63.0%	0	548	548		63.0%	0	517	517		63.0%	0	624	624	
64.2%	0	533	533		64.2%	0	523	523		64.2%	0	517	517		64.2%	0	590	590	
65.4%	0	500	500		65.4%	0	519	519		65.4%	0	517	517		65.4%	0	589	589	
66.7%	0	500	500		66.7%	0	519	519		66.7%	0	517	517		66.7%	0	540	540	
67.9%	0	494	494		67.9%	0	519	519		67.9%	0	517	517		67.9%	0	540	540	
69.1%	0	486	486		69.1%	0	519	519		69.1%	0	517	517		69.1%	0	533	533	
70.4%	0	471	471		70.4%	0	519	519		70.4%	0	517	517		70.4%	0	533	533	
71.6%	0	467	467		71.6%	0	519	519		71.6%	0	517	517		71.6%	0	533	533	
72.8%	0	320	320		72.8%	0	519	519		72.8%	0	517	517		72.8%	0	533	533	
74.1%	0	317	317		74.1%	0	519	519		74.1%	0	517	517		74.1%	0	533	533	
75.3%	0	220	220		75.3%	0	519	519		75.3%	0	517	517		75.3%	0	533	533	
76.5%	0	179	179		76.5%	0	519	519		76.5%	0	504	504		76.5%	0	533	533	
77.8%	0	178	178		77.8%	0	519	519		77.8%	0	133	133		77.8%	0	533	533	
79.0%	0	150	150		79.0%	0	519	519		79.0%	0	0	0		79.0%	0	533	533	
80.2%	0	150	150		80.2%	0	519	519		80.2%	0	0	0		80.2%	0	498	498	
81.5%	0	0	0		81.5%	0	519	519		81.5%	0	0	0		81.5%	0	301	301	
82.7%	0	0	0		82.7%	0	519	519		82.7%	0	0	0		82.7%	0	277	277	
84.0%	0	0	0		84.0%	0	519	519		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	519	519		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	500	500		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	359	359		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	334	334		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	308	308		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	145	145		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-07-5a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	831	843	89	0	35	71	567	605	1,030	1,562	899	1,084
Difference	831	843	89	0	35	71	567	605	1,030	1,562	899	1,084
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,237	1,330	105	0	0	9	235	165	501	1,301	658	1,555
Difference	1,237	1,330	105	0	0	9	235	165	501	1,301	658	1,555
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	841	1,239	44	0	0	0	284	252	845	2,006	973	1,334
Difference	841	1,239	44	0	0	0	284	252	845	2,006	973	1,334
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	474	463	79	0	41	0	480	701	1,112	1,804	823	607
Difference	474	463	79	0	41	0	480	701	1,112	1,804	823	607
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	815	603	126	0	0	83	943	1,103	1,529	1,585	1,441	1,076
Difference	815	603	126	0	0	83	943	1,103	1,529	1,585	1,441	1,076
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	382	197	58	0	189	343	1,109	1,054	1,520	1,370	623	386
Difference	382	197	58	0	189	343	1,109	1,054	1,520	1,370	623	386
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

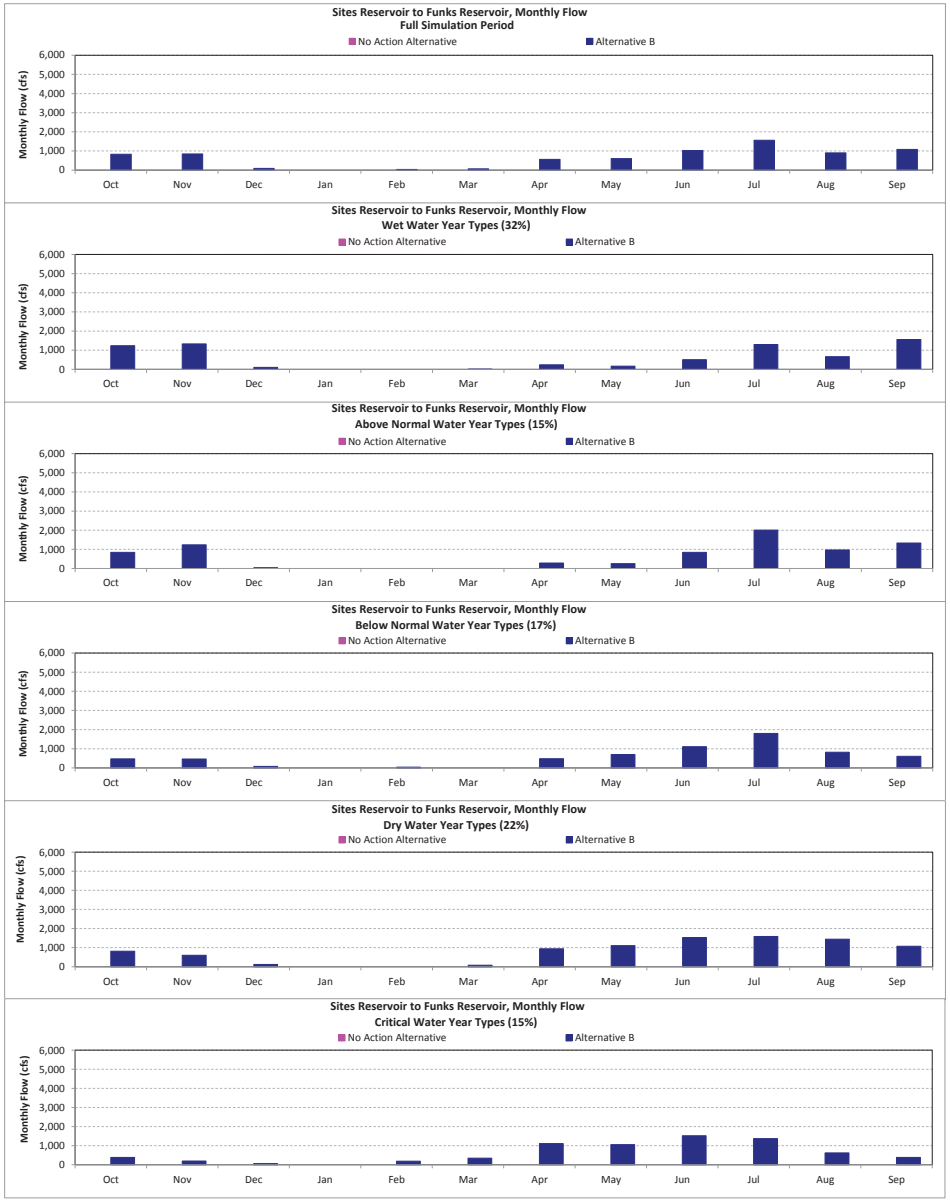

Figure OP-07-5b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

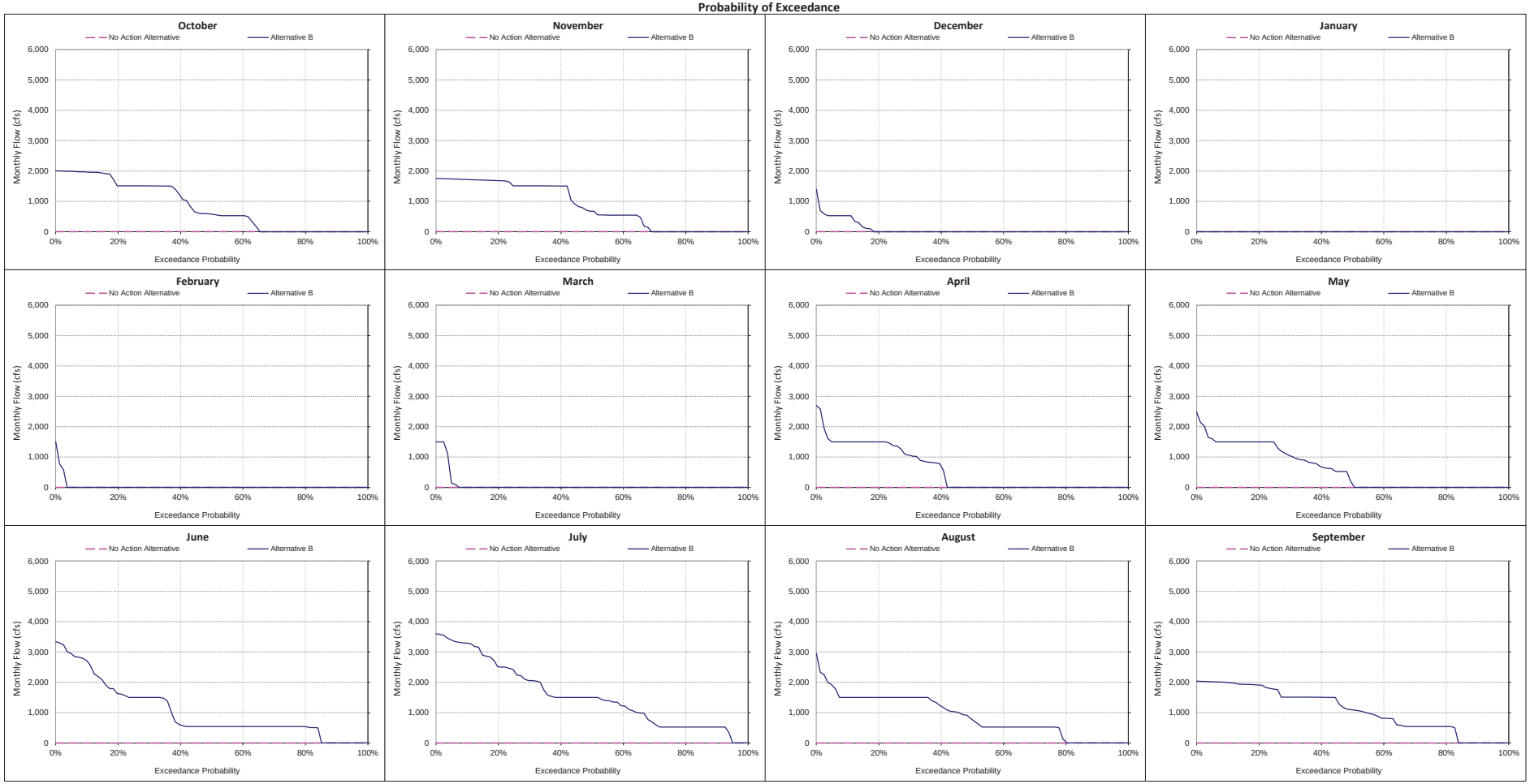

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October				November				December				January			
	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,011	2,011		0	1,750	1,750		0	1,403	1,403		0	0	0	
1.2%	0	1,998	1,998		0	1,748	1,748		0	697	697		0	0	0	
2.5%	0	1,997	1,997		0	1,739	1,739		0	585	585		0	0	0	
3.7%	0	1,988	1,988		0	1,737	1,737		0	523	523		0	0	0	
4.9%	0	1,987	1,987		0	1,732	1,732		0	523	523		0	0	0	
6.2%	0	1,981	1,981		0	1,732	1,732		0	523	523		0	0	0	
7.4%	0	1,978	1,978		0	1,729	1,729		0	523	523		0	0	0	
8.6%	0	1,972	1,972		0	1,724	1,724		0	523	523		0	0	0	
9.9%	0	1,966	1,966		0	1,723	1,723		0	523	523		0	0	0	
11.1%	0	1,954	1,954		0	1,719	1,719		0	523	523		0	0	0	
12.3%	0	1,953	1,953		0	1,715	1,715		0	337	337		0	0	0	
13.6%	0	1,953	1,953		0	1,703	1,703		0	297	297		0	0	0	
14.8%	0	1,932	1,932		0	1,696	1,696		0	151	151		0	0	0	
16.0%	0	1,914	1,914		0	1,693	1,693		0	103	103		0	0	0	
17.3%	0	1,900	1,900		0	1,693	1,693		0	98	98		0	0	0	
18.5%	0	1,729	1,729		0	1,692	1,692		0	0	0		0	0	0	
19.8%	0	1,510	1,510		0	1,679	1,679		0	0	0		0	0	0	
21.0%	0	1,510	1,510		0	1,677	1,677		0	0	0		0	0	0	
22.2%	0	1,510	1,510		0	1,670	1,670		0	0	0		0	0	0	
23.5%	0	1,510	1,510		0	1,640	1,640		0	0	0		0	0	0	
24.7%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
25.9%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
27.2%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
28.4%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
29.6%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
30.9%	0	1,510	1,510		0	1,507	1,507		0	0	0		0	0	0	
32.1%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
33.3%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
34.6%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
35.8%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
37.0%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
38.3%	0	1,399	1,399		0	1,500	1,500		0	0	0		0	0	0	
39.5%	0	1,241	1,241		0	1,500	1,500		0	0	0		0	0	0	
40.7%	0	1,054	1,054		0	1,500	1,500		0	0	0		0	0	0	
42.0%	0	1,019	1,019		0	1,500	1,500		0	0	0		0	0	0	
43.2%	0	817	817		0	1,041	1,041		0	0	0		0	0	0	
44.4%	0	656	656		0	913	913		0	0	0		0	0	0	
45.7%	0	608	608		0	826	826		0	0	0		0	0	0	
46.9%	0	595	595		0	789	789		0	0	0		0	0	0	
48.1%	0	593	593		0	703	703		0	0	0		0	0	0	
49.4%	0	588	588		0	674	674		0	0	0		0	0	0	
50.6%	0	569	569		0	674	674		0	0	0		0	0	0	
51.9%	0	546	546		0	556	556		0	0	0		0	0	0	
53.1%	0	530	530		0	552	552		0	0	0		0	0	0	
54.3%	0	523	523		0	540	540		0	0	0		0	0	0	
55.6%	0	523	523		0	540	540		0	0	0		0	0	0	
56.8%	0	523	523		0	540	540		0	0	0		0	0	0	
58.0%	0	523	523		0	540	540		0	0	0		0	0	0	
59.3%	0	523	523		0	540	540		0	0	0		0	0	0	
60.5%	0	523	523		0	540	540		0	0	0		0	0	0	
61.7%	0	481	481		0	540	540		0	0	0		0	0	0	
63.0%	0	317	317		0	540	540		0	0	0		0	0	0	
64.2%	0	179	179		0	540	540		0	0	0		0	0	0	
65.4%	0	0	0		0	477	477		0	0	0		0	0	0	
66.7%	0	0	0		0	185	185		0	0	0		0	0	0	
67.9%	0	0	0		0	140	140		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,504	1,504		0	1,501	1,501		0	2,694	2,694		0	2,493	2,493	
1.2%	0	768	768		0	1,500	1,500		0	2,582	2,582		0	2,140	2,140	
2.5%	0	579	579		0	1,500	1,500		0	1,943	1,943		0	2,021	2,021	
3.7%	0	0	0		0	1,114	1,114		0	1,610	1,610		0	1,641	1,641	
4.9%	0	0	0		0	134	134		0	1,500	1,500		0	1,606	1,606	
6.2%	0	0	0		0	96	96		0	1,500	1,500		0	1,501	1,501	
7.4%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
8.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
9.9%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
11.1%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
12.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
13.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
14.8%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
16.0%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
17.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
18.5%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
19.8%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
21.0%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
22.2%	0	0	0		0	0	0		0	1,496	1,496		0	1,501	1,501	
23.5%	0	0	0		0	0	0		0	1,453	1,453		0	1,500	1,500	
24.7%	0	0	0		0	0	0		0	1,373	1,373		0	1,495	1,495	
25.9%	0	0	0		0	0	0		0	1,360	1,360		0	1,298	1,298	
27.2%	0	0	0		0	0	0		0	1,263	1,263		0	1,193	1,193	
28.4%	0	0	0		0	0	0		0	1,084	1,084		0	1,125	1,125	
29.6%	0	0	0		0	0	0		0	1,064	1,064		0	1,053	1,053	
30.9%	0	0	0		0	0	0		0	1,027	1,027		0	1,001	1,001	
32.1%	0	0	0		0	0	0		0	1,019	1,019		0	945	945	
33.3%	0	0	0		0	0	0		0	891	891		0	910	910	
34.6%	0	0	0		0	0	0		0	858	858		0	903	903	
35.8%	0	0	0		0	0	0		0	827	827		0	831	831	
37.0%	0	0	0		0	0	0		0	826	826		0	802	802	
38.3%	0	0	0		0	0	0		0	805	805		0	789	789	
39.5%	0	0	0		0	0	0		0	790	790		0	695	695	
40.7%	0	0	0		0	0	0		0	558	558		0	648	648	
42.0%	0	0	0		0	0	0		0	0	0		0	623	623	
43.2%	0	0	0		0	0	0		0	0	0		0	617	617	
44.4%	0	0	0		0	0	0		0	0	0		0	527	527	
45.7%	0	0	0		0	0	0		0	0	0		0	526	526	
46.9%	0	0	0		0	0	0		0	0	0		0	523	523	
48.1%	0	0	0		0	0	0		0	0	0		0	523	523	
49.4%	0	0	0		0	0	0		0	0	0		0	198	198	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,341	3,341		0.0%	0	3,599	3,599		0.0%	0	2,958	2,958		0.0%	0	2,037	2,037	
1.2%	0	3,295	3,295		1.2%	0	3,586	3,586		1.2%	0	2,331	2,331		1.2%	0	2,031	2,031	
2.5%	0	3,237	3,237		2.5%	0	3,547	3,547		2.5%	0	2,249	2,249		2.5%	0	2,028	2,028	
3.7%	0	3,019	3,019		3.7%	0	3,456	3,456		3.7%	0	2,001	2,001		3.7%	0	2,024	2,024	
4.9%	0	2,949	2,949		4.9%	0	3,397	3,397		4.9%	0	1,919	1,919		4.9%	0	2,024	2,024	
6.2%	0	2,845	2,845		6.2%	0	3,342	3,342		6.2%	0	1,778	1,778		6.2%	0	2,012	2,012	
7.4%	0	2,826	2,826		7.4%	0	3,319	3,319		7.4%	0	1,505	1,505		7.4%	0	2,008	2,008	
8.6%	0	2,794	2,794		8.6%	0	3,301	3,301		8.6%	0	1,505	1,505		8.6%	0	2,008	2,008	
9.9%	0	2,717	2,717		9.9%	0	3,294	3,294		9.9%	0	1,505	1,505		9.9%	0	1,986	1,986	
11.1%	0	2,559	2,559		11.1%	0	3,273	3,273		11.1%	0	1,505	1,505		11.1%	0	1,980	1,980	
12.3%	0	2,284	2,284		12.3%	0	3,184	3,184		12.3%	0	1,505	1,505		12.3%	0	1,971	1,971	
13.6%	0	2,182	2,182		13.6%	0	3,159	3,159		13.6%	0	1,505	1,505		13.6%	0	1,941	1,941	
14.8%	0	2,096	2,096		14.8%	0	2,900	2,900		14.8%	0	1,505	1,505		14.8%	0	1,937	1,937	
16.0%	0	1,903	1,903		16.0%	0	2,862	2,862		16.0%	0	1,505	1,505		16.0%	0	1,932	1,932	
17.3%	0	1,793	1,793		17.3%	0	2,839	2,839		17.3%	0	1,505	1,505		17.3%	0	1,930	1,930	
18.5%	0	1,790	1,790		18.5%	0	2,722	2,722		18.5%	0	1,505	1,505		18.5%	0	1,920	1,920	
19.8%	0	1,629	1,629		19.8%	0	2,510	2,510		19.8%	0	1,505	1,505		19.8%	0	1,917	1,917	
21.0%	0	1,610	1,610		21.0%	0	2,504	2,504		21.0%	0	1,505	1,505		21.0%	0	1,901	1,901	
22.2%	0	1,561	1,561		22.2%	0	2,500	2,500		22.2%	0	1,505	1,505		22.2%	0	1,826	1,826	
23.5%	0	1,502	1,502		23.5%	0	2,463	2,463		23.5%	0	1,505	1,505		23.5%	0	1,802	1,802	
24.7%	0	1,502	1,502		24.7%	0	2,426	2,426		24.7%	0	1,505	1,505		24.7%	0	1,772	1,772	
25.9%	0	1,502	1,502		25.9%	0	2,241	2,241		25.9%	0	1,505	1,505		25.9%	0	1,760	1,760	
27.2%	0	1,500	1,500		27.2%	0	2,221	2,221		27.2%	0	1,505	1,505		27.2%	0	1,507	1,507	
28.4%	0	1,500	1,500		28.4%	0	2,097	2,097		28.4%	0	1,500	1,500		28.4%	0	1,507	1,507	
29.6%	0	1,500	1,500		29.6%	0	2,059	2,059		29.6%	0	1,500	1,500		29.6%	0	1,507	1,507	
30.9%	0	1,500	1,500		30.9%	0	2,057	2,057		30.9%	0	1,500	1,500		30.9%	0	1,507	1,507	
32.1%	0	1,500	1,500		32.1%	0	2,042	2,042		32.1%	0	1,500	1,500		32.1%	0	1,507	1,507	
33.3%	0	1,500	1,500		33.3%	0	2,008	2,008		33.3%	0	1,500	1,500		33.3%	0	1,507	1,507	
34.6%	0	1,474	1,474		34.6%	0	1,744	1,744		34.6%	0	1,500	1,500		34.6%	0	1,507	1,507	
35.8%	0	1,383	1,383		35.8%	0	1,567	1,567		35.8%	0	1,500	1,500		35.8%	0	1,507	1,507	
37.0%	0	1,017	1,017		37.0%	0	1,536	1,536		37.0%	0	1,389	1,389		37.0%	0	1,507	1,507	
38.3%	0	698	698		38.3%	0	1,504	1,504		38.3%	0	1,341	1,341		38.3%	0	1,507	1,507	
39.5%	0	614	614		39.5%	0	1,504	1,504		39.5%	0	1,244	1,244		39.5%	0	1,507	1,507	
40.7%	0	573	573		40.7%	0	1,504	1,504		40.7%	0	1,171	1,171		40.7%	0	1,507	1,507	
42.0%	0	540	540		42.0%	0	1,504	1,504		42.0%	0	1,085	1,085		42.0%	0	1,500	1,500	
43.2%	0	540	540		43.2%	0	1,504	1,504		43.2%	0	1,037	1,037		43.2%	0	1,500	1,500	
44.4%	0	540	540		44.4%	0	1,504	1,504		44.4%	0	1,029	1,029		44.4%	0	1,498	1,498	
45.7%	0	540	540		45.7%	0	1,504	1,504		45.7%	0	994	994		45.7%	0	1,278	1,278	
46.9%	0	540	540		46.9%	0	1,500	1,500		46.9%	0	933	933		46.9%	0	1,177	1,177	
48.1%	0	540	540		48.1%	0	1,500	1,500		48.1%	0	921	921		48.1%	0	1,115	1,115	
49.4%	0	540	540		49.4%	0	1,500	1,500		49.4%	0	819	819		49.4%	0	1,096	1,096	
50.6%	0	540	540		50.6%	0	1,500	1,500		50.6%	0	713	713		50.6%	0	1,079	1,079	
51.9%	0	540	540		51.9%	0	1,500	1,500		51.9%	0	632	632		51.9%	0	1,061	1,061	
53.1%	0	540	540		53.1%	0	1,431	1,431		53.1%	0	523	523		53.1%	0	1,043	1,043	
54.3%	0	540	540		54.3%	0	1,396	1,396		54.3%	0	523	523		54.3%	0	999	999	
55.6%	0	540	540		55.6%	0	1,391	1,391		55.6%	0	523	523		55.6%	0	971	971	
56.8%	0	540	540		56.8%	0	1,346	1,346		56.8%	0	523	523		56.8%	0	938	938	
58.0%	0	540	540		58.0%	0	1,346	1,346		58.0%	0	523	523		58.0%	0	887	887	
59.3%	0	540	540		59.3%	0	1,227	1,227		59.3%	0	523	523		59.3%	0	820	820	
60.5%	0	540	540		60.5%	0	1,223	1,223		60.5%	0	523	523		60.5%	0	814	814	
61.7%	0	540	540		61.7%	0	1,111	1,111		61.7%	0	523	523		61.7%	0	810	810	
63.0%	0	540	540		63.0%	0	1,063	1,063		63.0%	0	523	523		63.0%	0	800	800	
64.2%	0	540	540		64.2%	0	1,004	1,004		64.2%	0	523	523		64.2%	0	598	598	
65.4%	0	540	540		65.4%	0	986	986		65.4%	0	523	523		65.4%	0	589	589	
66.7%	0	540	540		66.7%	0	981	981		66.7%	0	523	523		66.7%	0	540	540	
67.9%	0	540	540		67.9%	0	773	773		67.9%	0	523	523		67.9%	0	540	540	
69.1%	0	540	540		69.1%	0	700	700		69.1%	0	523	523		69.1%	0	540	540	
70.4%	0	540	540		70.4%	0	601	601		70.4%	0	523	523		70.4%	0	540	540	
71.6%	0	540	540		71.6%	0	523	523		71.6%	0	523	523		71.6%	0	540	540	
72.8%	0	540	540		72.8%	0	523	523		72.8%	0	523	523		72.8%	0	540	540	
74.1%	0	540	540		74.1%	0	523	523		74.1%	0	523	523		74.1%	0	540	540	
75.3%	0	540	540		75.3%	0	523	523		75.3%	0	523	523		75.3%	0	540	540	
76.5%	0	540	540		76.5%	0	523	523		76.5%	0	523	523		76.5%	0	540	540	
77.8%	0	540	540		77.8%	0	523	523		77.8%	0	504	504		77.8%	0	540	540	
79.0%	0	540	540		79.0%	0	523	523		79.0%	0	133	133		79.0%	0	540	540	
80.2%	0	535	535		80.2%	0	523	523		80.2%	0	0	0		80.2%	0	540	540	
81.5%	0	507	507		81.5%	0	523	523		81.5%	0	0	0		81.5%	0	540	540	
82.7%	0	507	507		82.7%	0	523	523		82.7%	0	0	0		82.7%	0	498	498	
84.0%	0	502	502		84.0%	0	523	523		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	523	523		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	523	523		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	523	523		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	523	523		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	523	523		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	523	523		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	523	523		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	334	334		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-5a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

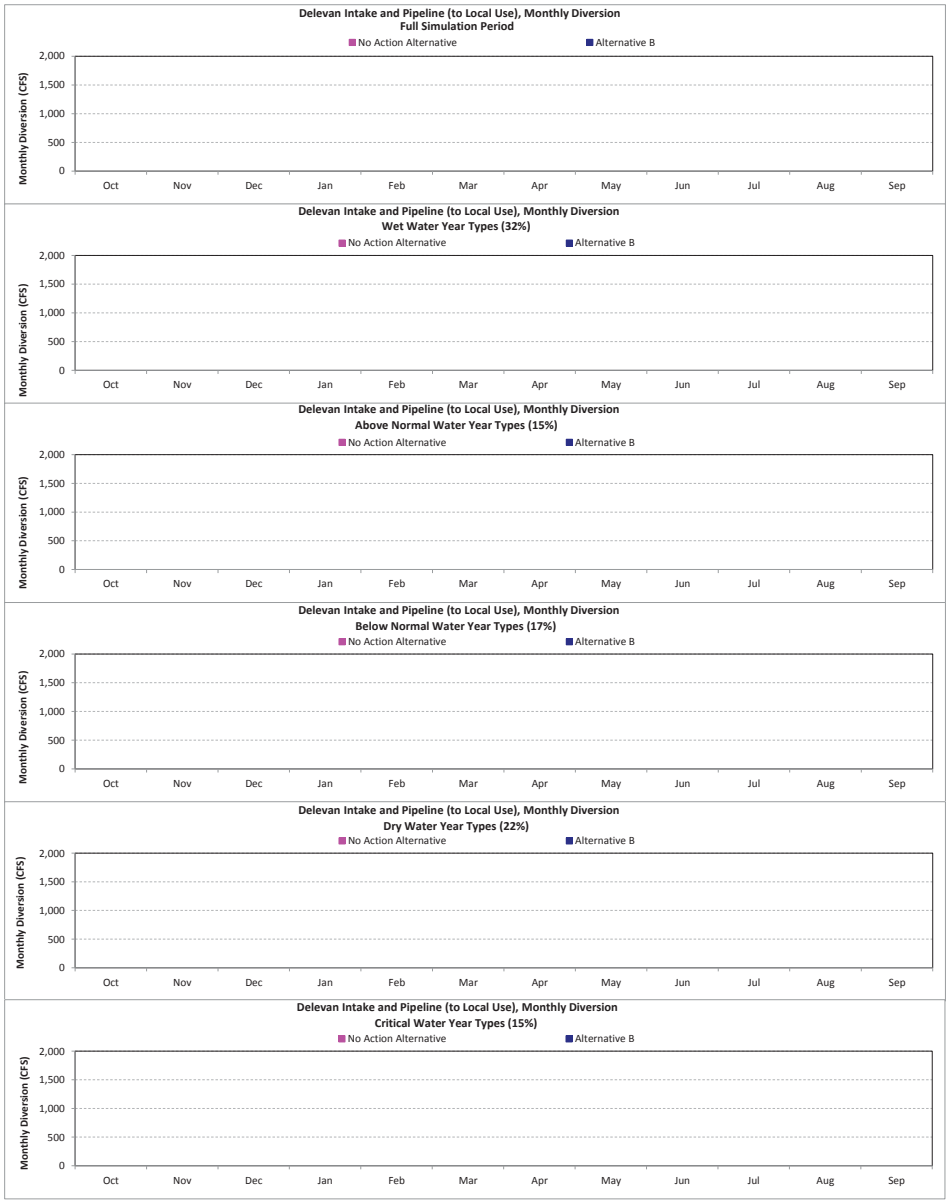

Figure OP-08-5b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

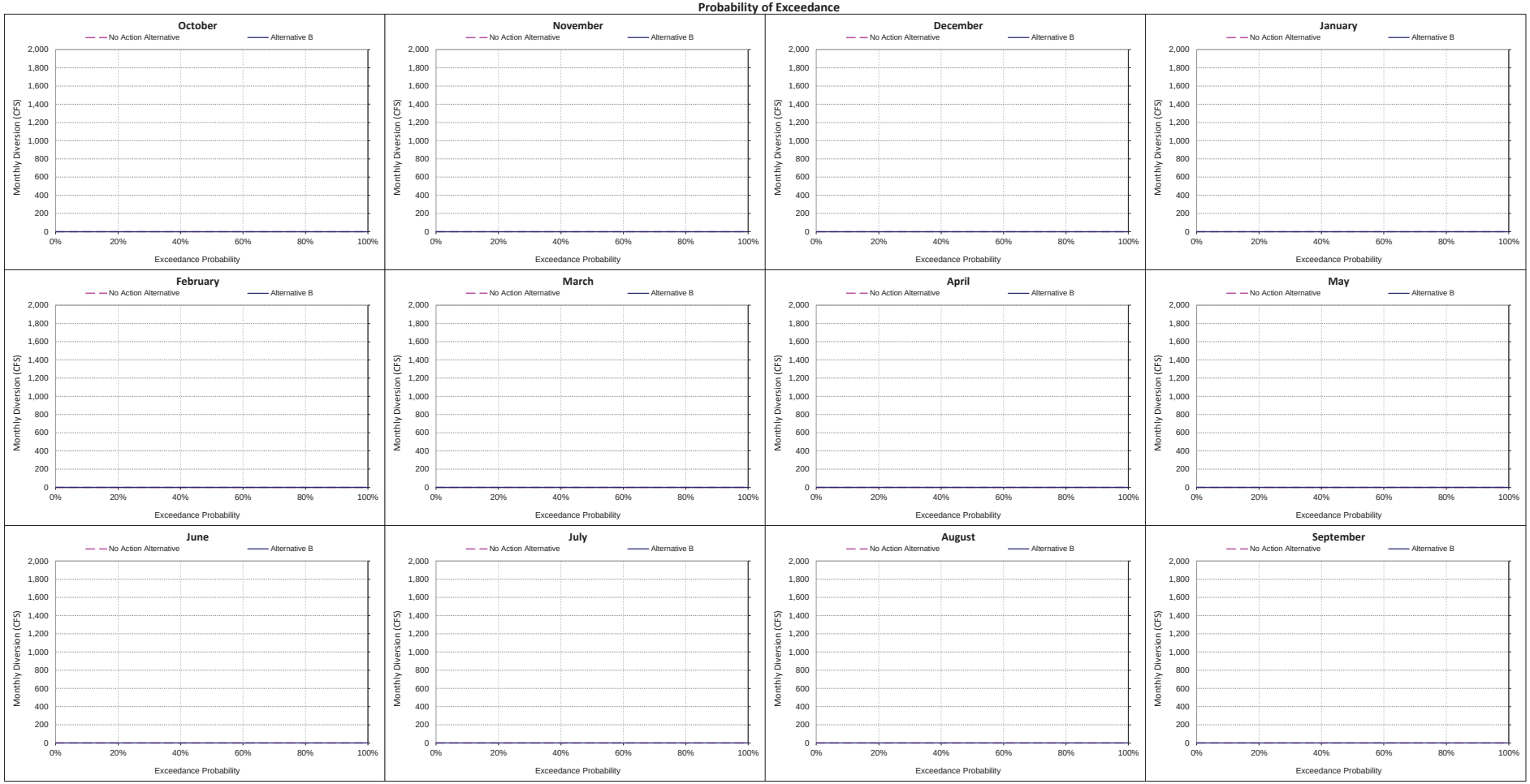

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	0	0		0	0	0	
1.2%	0	0	0		0	0	0		0	0	0		0	0	0	
2.5%	0	0	0		0	0	0		0	0	0		0	0	0	
3.7%	0	0	0		0	0	0		0	0	0		0	0	0	
4.9%	0	0	0		0	0	0		0	0	0		0	0	0	
6.2%	0	0	0		0	0	0		0	0	0		0	0	0	
7.4%	0	0	0		0	0	0		0	0	0		0	0	0	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	0	0		0	0	0	
1.2%	0	0	0		0	0	0		0	0	0		0	0	0	
2.5%	0	0	0		0	0	0		0	0	0		0	0	0	
3.7%	0	0	0		0	0	0		0	0	0		0	0	0	
4.9%	0	0	0		0	0	0		0	0	0		0	0	0	
6.2%	0	0	0		0	0	0		0	0	0		0	0	0	
7.4%	0	0	0		0	0	0		0	0	0		0	0	0	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-09-5a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	902	862	924	1,013	1,106	1,237	1,253	1,235	1,171	1,068	1,014	947
Difference	902	862	924	1,013	1,106	1,237	1,253	1,235	1,171	1,068	1,014	947
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,360	1,293	1,371	1,334	1,439	1,583	1,647	1,673	1,637	1,551	1,524	1,431
Difference	1,360	1,293	1,371	1,334	1,439	1,583	1,647	1,673	1,637	1,551	1,524	1,431
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,090	1,034	1,132	1,012	1,146	1,349	1,407	1,443	1,395	1,263	1,197	1,113
Difference	1,090	1,034	1,132	1,012	1,146	1,349	1,407	1,443	1,395	1,263	1,197	1,113
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	854	834	889	940	1,029	1,178	1,198	1,164	1,100	982	925	884
Difference	854	834	889	940	1,029	1,178	1,198	1,164	1,100	982	925	884
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	594	569	602	908	993	1,108	1,077	1,004	908	804	711	644
Difference	594	569	602	908	993	1,108	1,077	1,004	908	804	711	644
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	239	230	270	564	603	641	574	507	413	325	285	262
Difference	239	230	270	564	603	641	574	507	413	325	285	262
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

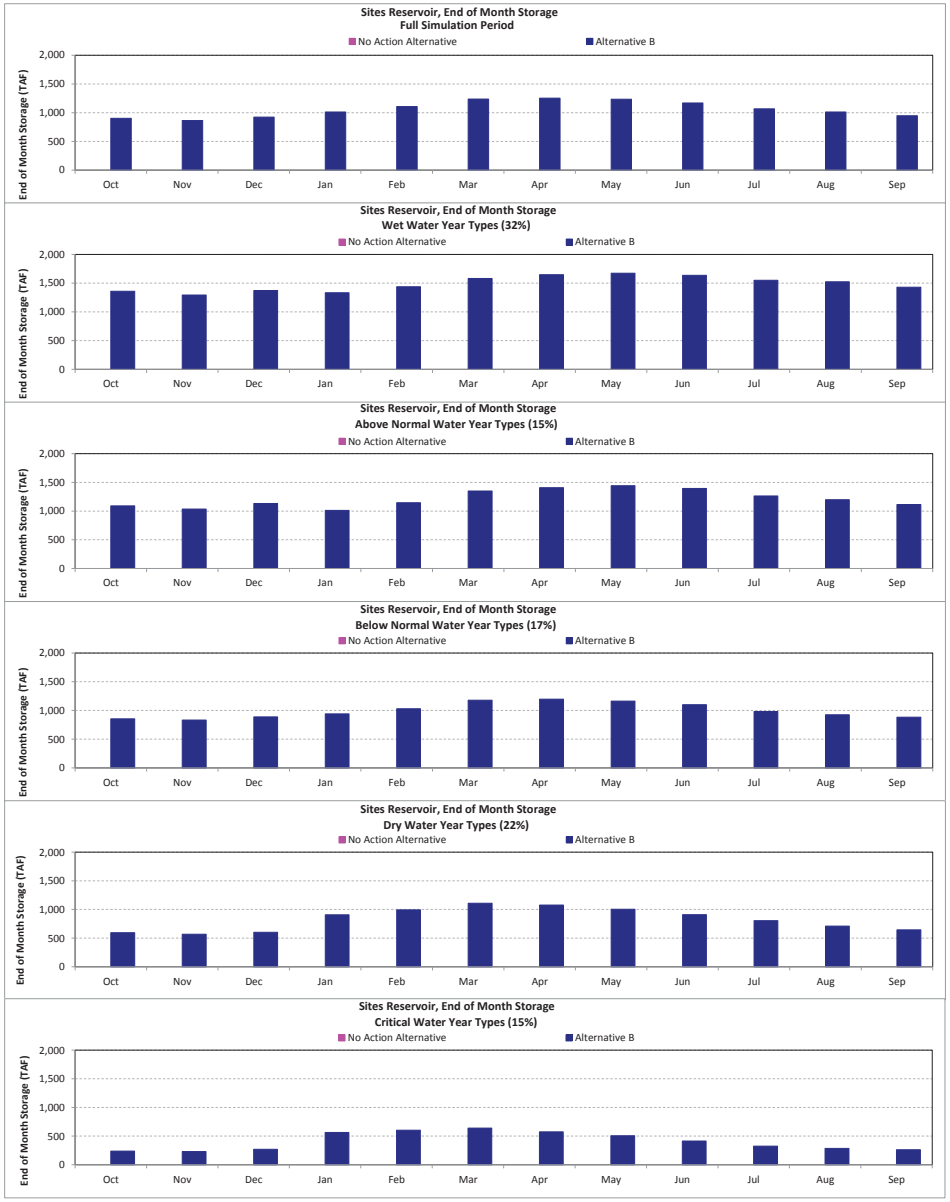

Figure OP-09-5b
Sites Reservoir, End of Month Storage
Probability of Exceedance

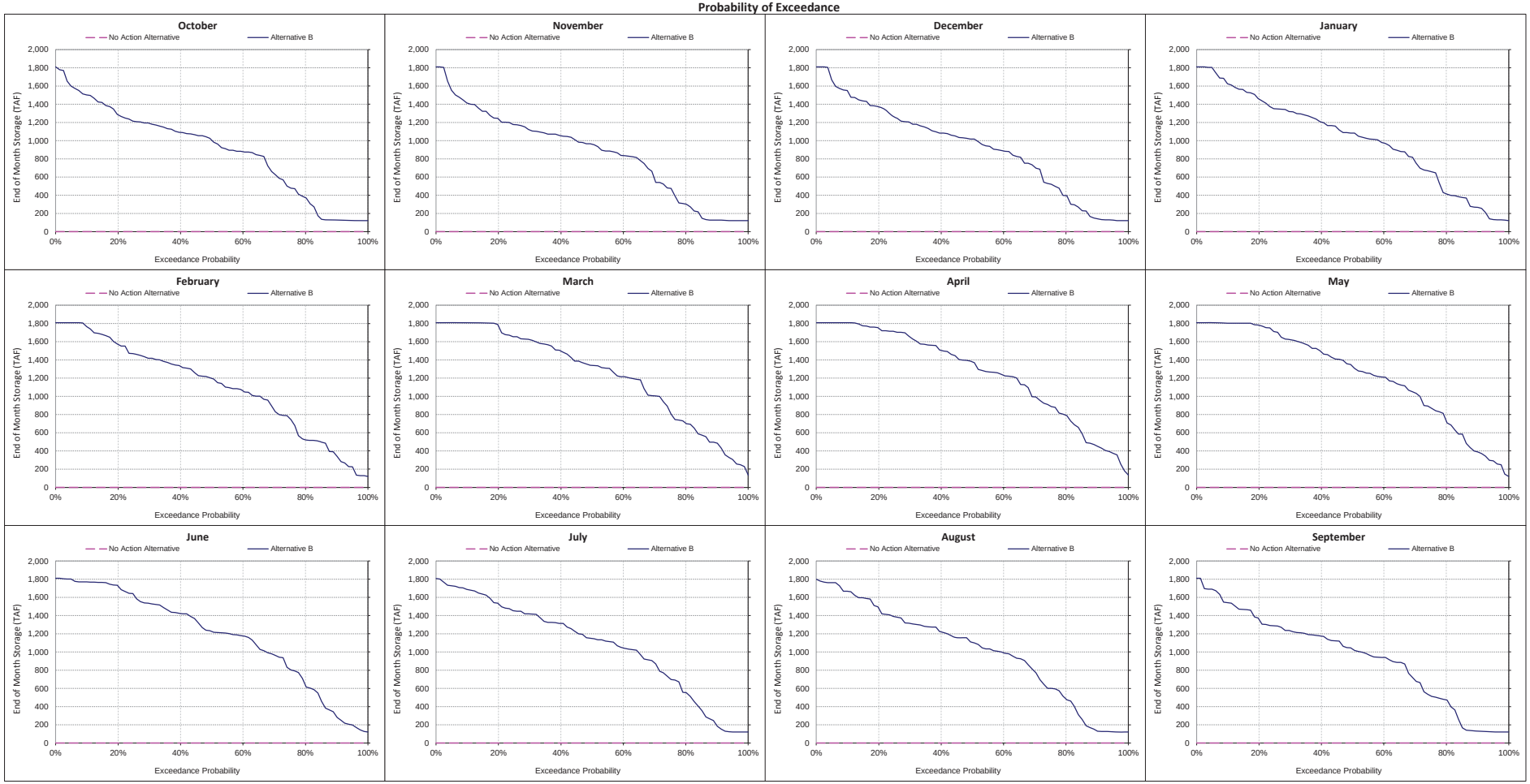

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810	
1.2%	0	1,779	1,779		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810	
2.5%	0	1,772	1,772		2.5%	0	1,805	1,805		2.5%	0	1,810	1,810		2.5%	0	1,810	1,810	
3.7%	0	1,654	1,654		3.7%	0	1,654	1,654		3.7%	0	1,806	1,806		3.7%	0	1,806	1,806	
4.9%	0	1,601	1,601		4.9%	0	1,553	1,553		4.9%	0	1,669	1,669		4.9%	0	1,805	1,805	
6.2%	0	1,574	1,574		6.2%	0	1,501	1,501		6.2%	0	1,597	1,597		6.2%	0	1,745	1,745	
7.4%	0	1,550	1,550		7.4%	0	1,476	1,476		7.4%	0	1,574	1,574		7.4%	0	1,688	1,688	
8.6%	0	1,513	1,513		8.6%	0	1,449	1,449		8.6%	0	1,557	1,557		8.6%	0	1,686	1,686	
9.9%	0	1,501	1,501		9.9%	0	1,413	1,413		9.9%	0	1,552	1,552		9.9%	0	1,625	1,625	
11.1%	0	1,497	1,497		11.1%	0	1,401	1,401		11.1%	0	1,477	1,477		11.1%	0	1,610	1,610	
12.3%	0	1,465	1,465		12.3%	0	1,397	1,397		12.3%	0	1,474	1,474		12.3%	0	1,585	1,585	
13.6%	0	1,425	1,425		13.6%	0	1,357	1,357		13.6%	0	1,449	1,449		13.6%	0	1,567	1,567	
14.8%	0	1,421	1,421		14.8%	0	1,324	1,324		14.8%	0	1,436	1,436		14.8%	0	1,563	1,563	
16.0%	0	1,387	1,387		16.0%	0	1,324	1,324		16.0%	0	1,431	1,431		16.0%	0	1,530	1,530	
17.3%	0	1,375	1,375		17.3%	0	1,277	1,277		17.3%	0	1,385	1,385		17.3%	0	1,526	1,526	
18.5%	0	1,348	1,348		18.5%	0	1,249	1,249		18.5%	0	1,382	1,382		18.5%	0	1,507	1,507	
19.8%	0	1,290	1,290		19.8%	0	1,245	1,245		19.8%	0	1,374	1,374		19.8%	0	1,462	1,462	
21.0%	0	1,265	1,265		21.0%	0	1,203	1,203		21.0%	0	1,360	1,360		21.0%	0	1,437	1,437	
22.2%	0	1,249	1,249		22.2%	0	1,202	1,202		22.2%	0	1,336	1,336		22.2%	0	1,412	1,412	
23.5%	0	1,237	1,237		23.5%	0	1,199	1,199		23.5%	0	1,297	1,297		23.5%	0	1,374	1,374	
24.7%	0	1,214	1,214		24.7%	0	1,176	1,176		24.7%	0	1,266	1,266		24.7%	0	1,350	1,350	
25.9%	0	1,210	1,210		25.9%	0	1,175	1,175		25.9%	0	1,245	1,245		25.9%	0	1,348	1,348	
27.2%	0	1,205	1,205		27.2%	0	1,167	1,167		27.2%	0	1,214	1,214		27.2%	0	1,346	1,346	
28.4%	0	1,193	1,193		28.4%	0	1,150	1,150		28.4%	0	1,207	1,207		28.4%	0	1,343	1,343	
29.6%	0	1,193	1,193		29.6%	0	1,123	1,123		29.6%	0	1,205	1,205		29.6%	0	1,320	1,320	
30.9%	0	1,180	1,180		30.9%	0	1,106	1,106		30.9%	0	1,181	1,181		30.9%	0	1,317	1,317	
32.1%	0	1,172	1,172		32.1%	0	1,103	1,103		32.1%	0	1,179	1,179		32.1%	0	1,297	1,297	
33.3%	0	1,159	1,159		33.3%	0	1,093	1,093		33.3%	0	1,162	1,162		33.3%	0	1,293	1,293	
34.6%	0	1,149	1,149		34.6%	0	1,085	1,085		34.6%	0	1,150	1,150		34.6%	0	1,282	1,282	
35.8%	0	1,133	1,133		35.8%	0	1,073	1,073		35.8%	0	1,134	1,134		35.8%	0	1,272	1,272	
37.0%	0	1,126	1,126		37.0%	0	1,072	1,072		37.0%	0	1,108	1,108		37.0%	0	1,255	1,255	
38.3%	0	1,103	1,103		38.3%	0	1,072	1,072		38.3%	0	1,098	1,098		38.3%	0	1,239	1,239	
39.5%	0	1,091	1,091		39.5%	0	1,058	1,058		39.5%	0	1,084	1,084		39.5%	0	1,209	1,209	
40.7%	0	1,088	1,088		40.7%	0	1,049	1,049		40.7%	0	1,083	1,083		40.7%	0	1,197	1,197	
42.0%	0	1,077	1,077		42.0%	0	1,047	1,047		42.0%	0	1,078	1,078		42.0%	0	1,166	1,166	
43.2%	0	1,075	1,075		43.2%	0	1,039	1,039		43.2%	0	1,060	1,060		43.2%	0	1,165	1,165	
44.4%	0	1,066	1,066		44.4%	0	1,013	1,013		44.4%	0	1,051	1,051		44.4%	0	1,161	1,161	
45.7%	0	1,055	1,055		45.7%	0	984	984		45.7%	0	1,034	1,034		45.7%	0	1,116	1,116	
46.9%	0	1,054	1,054		46.9%	0	980	980		46.9%	0	1,031	1,031		46.9%	0	1,090	1,090	
48.1%	0	1,044	1,044		48.1%	0	966	966		48.1%	0	1,027	1,027		48.1%	0	1,089	1,089	
49.4%	0	1,027	1,027		49.4%	0	965	965		49.4%	0	1,018	1,018		49.4%	0	1,084	1,084	
50.6%	0	982	982		50.6%	0	954	954		50.6%	0	1,017	1,017		50.6%	0	1,083	1,083	
51.9%	0	964	964		51.9%	0	934	934		51.9%	0	988	988		51.9%	0	1,048	1,048	
53.1%	0	924	924		53.1%	0	896	896		53.1%	0	958	958		53.1%	0	1,039	1,039	
54.3%	0	912	912		54.3%	0	887	887		54.3%	0	942	942		54.3%	0	1,027	1,027	
55.6%	0	896	896		55.6%	0	887	887		55.6%	0	938	938		55.6%	0	1,018	1,018	
56.8%	0	894	894		56.8%	0	877	877		56.8%	0	906	906		56.8%	0	1,014	1,014	
58.0%	0	885	885		58.0%	0	866	866		58.0%	0	900	900		58.0%	0	1,009	1,009	
59.3%	0	884	884		59.3%	0	836	836		59.3%	0	891	891		59.3%	0	981	981	
60.5%	0	876	876		60.5%	0	836	836		60.5%	0	883	883		60.5%	0	969	969	
61.7%	0	875	875		61.7%	0	828	828		61.7%	0	881	881		61.7%	0	945	945	
63.0%	0	869	869		63.0%	0	824	824		63.0%	0	840	840		63.0%	0	906	906	
64.2%	0	846	846		64.2%	0	815	815		64.2%	0	827	827		64.2%	0	894	894	
65.4%	0	836	836		65.4%	0	782	782		65.4%	0	819	819		65.4%	0	881	881	
66.7%	0	826	826		66.7%	0	749	749		66.7%	0	753	753		66.7%	0	878	878	
67.9%	0	724	724		67.9%	0	694	694		67.9%	0	753	753		67.9%	0	827	827	
69.1%	0	661	661		69.1%	0	663	663		69.1%	0	734	734		69.1%	0	818	818	
70.4%	0	627	627		70.4%	0	542	542		70.4%	0	698	698		70.4%	0	753	753	
71.6%	0	585	585		71.6%	0	540	540		71.6%	0	687	687		71.6%	0	698	698	
72.8%	0	570	570		72.8%	0	525	525		72.8%	0	543	543		72.8%	0	679	679	
74.1%	0	501	501		74.1%	0	482	482		74.1%	0	528	528		74.1%	0	669	669	
75.3%	0	479	479		75.3%	0	475	475		75.3%	0	522	522		75.3%	0	658	658	
76.5%	0	471	471		76.5%	0	392	392		76.5%	0	498	498		76.5%	0	646	646	
77.8%	0	413	413		77.8%	0	314	314		77.8%	0	478	478		77.8%	0	534	534	
79.0%	0	389	389		79.0%	0	310	310		79.0%	0	397	397		79.0%	0	428	428	
80.2%	0	371	371		80.2%	0	301	301		80.2%	0	395	395		80.2%	0	414	414	
81.5%	0	306	306		81.5%	0	273	273		81.5%	0	302	302		81.5%	0	397	397	
82.7%	0	272	272		82.7%	0	226	226		82.7%	0	294	294		82.7%	0	395	395	
84.0%	0	174	174		84.0%	0	218	218		84.0%	0	271	271		84.0%	0	383	383	
85.2%	0	135	135		85.2%	0	148	148		85.2%	0	230	230		85.2%	0	376	376	
86.4%	0	131	131		86.4%	0	132	132		86.4%	0	228	228		86.4%	0	371	371	
87.7%	0	131	131		87.7%	0	127	127		87.7%	0	167	167		87.7%	0	279	279	
88.9%	0	126	126		88.9%	0	127	127		88.9%	0	149	149		88.9%	0	270	270	
90.1%	0	126	126		90.1%	0	127	127		90.1%	0	141	141		90.1%	0	268	268	
91.4%	0	126	126		91.4%	0	127	127		91.4%	0	134	134		91.4%	0	256	256	
92.6%	0	126	126		92.6%	0	124	124		92.6%	0	129	129		92.6%	0	210	210	
93.8%	0	123	123		93.8%	0	121	121		93.8%	0	129	129		93.8%	0	141	141	
95.1%	0	120	120		95.1%	0	121	121		95.1%	0	126	126		95.1%	0	134	134	
96.3%	0	120	120		96.3%	0	121	121		96.3%	0	122	122		96.3%	0	129	129	
97.5%	0	120	120		97.5%	0	120	120		97.5%	0	122	122		97.5%	0	129	129	
98.8%	0	120	120		98.8%	0	120	120		98.8%	0	122	122		98.8%	0	126	126	
100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120	

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)
	End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)		
0.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
1.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
2.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
3.7%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
4.9%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
6.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
7.4%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
8.6%	0	1,806	1,806		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
9.9%	0	1,766	1,766		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
11.1%	0	1,741	1,741		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
12.3%	0	1,697	1,697		0	1,810	1,810		0	1,806	1,806		0	1,804	1,804	
13.6%	0	1,693	1,693		0	1,810	1,810		0	1,795	1,795		0	1,804	1,804	
14.8%	0	1,680	1,680		0	1,806	1,806		0	1,775	1,775		0	1,804	1,804	
16.0%	0	1,667	1,667		0	1,804	1,804		0	1,771	1,771		0	1,804	1,804	
17.3%	0	1,648	1,648		0	1,804	1,804		0	1,760	1,760		0	1,804	1,804	
18.5%	0	1,603	1,603		0	1,802	1,802		0	1,759	1,759		0	1,786	1,786	
19.8%	0	1,575	1,575		0	1,789	1,789		0	1,755	1,755		0	1,784	1,784	
21.0%	0	1,552	1,552		0	1,697	1,697		0	1,721	1,721		0	1,772	1,772	
22.2%	0	1,551	1,551		0	1,678	1,678		0	1,721	1,721		0	1,755	1,755	
23.5%	0	1,472	1,472		0	1,671	1,671		0	1,715	1,715		0	1,752	1,752	
24.7%	0	1,469	1,469		0	1,655	1,655		0	1,715	1,715		0	1,713	1,713	
25.9%	0	1,461	1,461		0	1,654	1,654		0	1,703	1,703		0	1,704	1,704	
27.2%	0	1,449	1,449		0	1,632	1,632		0	1,703	1,703		0	1,650	1,650	
28.4%	0	1,434	1,434		0	1,628	1,628		0	1,696	1,696		0	1,630	1,630	
29.6%	0	1,417	1,417		0	1,625	1,625		0	1,662	1,662		0	1,623	1,623	
30.9%	0	1,417	1,417		0	1,616	1,616		0	1,630	1,630		0	1,617	1,617	
32.1%	0	1,403	1,403		0	1,598	1,598		0	1,608	1,608		0	1,606	1,606	
33.3%	0	1,400	1,400		0	1,582	1,582		0	1,575	1,575		0	1,592	1,592	
34.6%	0	1,384	1,384		0	1,574	1,574		0	1,572	1,572		0	1,577	1,577	
35.8%	0	1,374	1,374		0	1,567	1,567		0	1,563	1,563		0	1,562	1,562	
37.0%	0	1,355	1,355		0	1,551	1,551		0	1,562	1,562		0	1,527	1,527	
38.3%	0	1,345	1,345		0	1,508	1,508		0	1,557	1,557		0	1,527	1,527	
39.5%	0	1,338	1,338		0	1,507	1,507		0	1,508	1,508		0	1,500	1,500	
40.7%	0	1,316	1,316		0	1,484	1,484		0	1,498	1,498		0	1,464	1,464	
42.0%	0	1,310	1,310		0	1,463	1,463		0	1,492	1,492		0	1,457	1,457	
43.2%	0	1,301	1,301		0	1,427	1,427		0	1,462	1,462		0	1,430	1,430	
44.4%	0	1,261	1,261		0	1,387	1,387		0	1,445	1,445		0	1,411	1,411	
45.7%	0	1,226	1,226		0	1,385	1,385		0	1,404	1,404		0	1,407	1,407	
46.9%	0	1,221	1,221		0	1,369	1,369		0	1,399	1,399		0	1,394	1,394	
48.1%	0	1,218	1,218		0	1,355	1,355		0	1,395	1,395		0	1,357	1,357	
49.4%	0	1,205	1,205		0	1,341	1,341		0	1,386	1,386		0	1,348	1,348	
50.6%	0	1,189	1,189		0	1,339	1,339		0	1,369	1,369		0	1,307	1,307	
51.9%	0	1,150	1,150		0	1,335	1,335		0	1,296	1,296		0	1,279	1,279	
53.1%	0	1,142	1,142		0	1,316	1,316		0	1,284	1,284		0	1,272	1,272	
54.3%	0	1,102	1,102		0	1,310	1,310		0	1,274	1,274		0	1,255	1,255	
55.6%	0	1,096	1,096		0	1,306	1,306		0	1,266	1,266		0	1,253	1,253	
56.8%	0	1,084	1,084		0	1,265	1,265		0	1,265	1,265		0	1,230	1,230	
58.0%	0	1,084	1,084		0	1,224	1,224		0	1,259	1,259		0	1,219	1,219	
59.3%	0	1,077	1,077		0	1,216	1,216		0	1,242	1,242		0	1,212	1,212	
60.5%	0	1,048	1,048		0	1,215	1,215		0	1,224	1,224		0	1,209	1,209	
61.7%	0	1,044	1,044		0	1,205	1,205		0	1,220	1,220		0	1,169	1,169	
63.0%	0	1,009	1,009		0	1,196	1,196		0	1,216	1,216		0	1,163	1,163	
64.2%	0	1,002	1,002		0	1,186	1,186		0	1,200	1,200		0	1,137	1,137	
65.4%	0	1,000	1,000		0	1,183	1,183		0	1,130	1,130		0	1,123	1,123	
66.7%	0	969	969		0	1,084	1,084		0	1,128	1,128		0	1,117	1,117	
67.9%	0	959	959		0	1,012	1,012		0	1,096	1,096		0	1,066	1,066	
69.1%	0	893	893		0	1,008	1,008		0	994	994		0	1,051	1,051	
70.4%	0	829	829		0	1,005	1,005		0	992	992		0	1,033	1,033	
71.6%	0	799	799		0	997	997		0	955	955		0	999	999	
72.8%	0	791	791		0	941	941		0	926	926		0	898	898	
74.1%	0	787	787		0	893	893		0	911	911		0	893	893	
75.3%	0	744	744		0	806	806		0	888	888		0	868	868	
76.5%	0	679	679		0	745	745		0	880	880		0	841	841	
77.8%	0	569	569		0	740	740		0	816	816		0	829	829	
79.0%	0	534	534		0	731	731		0	804	804		0	812	812	
80.2%	0	518	518		0	699	699		0	787	787		0	708	708	
81.5%	0	517	517		0	694	694		0	729	729		0	685	685	
82.7%	0	516	516		0	651	651		0	689	689		0	630	630	
84.0%	0	508	508		0	587	587		0	659	659		0	586	586	
85.2%	0	495	495		0	574	574		0	588	588		0	584	584	
86.4%	0	484	484		0	558	558		0	491	491		0	483	483	
87.7%	0	394	394		0	495	495		0	487	487		0	436	436	
88.9%	0	390	390		0	495	495		0	471	471		0	400	400	
90.1%	0	341	341		0	484	484		0	451	451		0	389	389	
91.4%	0	281	281		0	431	431		0	431	431		0	372	372	
92.6%	0	268	268		0	357	357		0	406	406		0	342	342	
93.8%	0	227	227		0	327	327		0	394	394		0	298	298	
95.1%	0	226	226		0	306	306		0	374	374		0	291	291	
96.3%	0	134	134		0	258	258		0	357	357		0	256	256	
97.5%	0	129	129		0	249	249		0	258	258		0	247	247	
98.8%	0	129	129		0	227	227		0	180	180		0	146	146	
100.0%	0	120	120		0	134	134		0	134	134		0	120	120	

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (TAF)	Relative Difference (%)
	End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)		
0.0%	0	1,810	1,810		0	1,808	1,808		0	1,800	1,800		0	1,810	1,810	
1.2%	0	1,810	1,810		0	1,803	1,803		0	1,779	1,779		0	1,810	1,810	
2.5%	0	1,805	1,805		0	1,768	1,768		0	1,767	1,767		0	1,698	1,698	
3.7%	0	1,803	1,803		0	1,735	1,735		0	1,762	1,762		0	1,690	1,690	
4.9%	0	1,803	1,803		0	1,728	1,728		0	1,762	1,762		0	1,690	1,690	
6.2%	0	1,777	1,777		0	1,723	1,723		0	1,761	1,761		0	1,674	1,674	
7.4%	0	1,771	1,771		0	1,708	1,708		0	1,728	1,728		0	1,635	1,635	
8.6%	0	1,771	1,771		0	1,704	1,704		0	1,667	1,667		0	1,547	1,547	
9.9%	0	1,771	1,771		0	1,689	1,689		0	1,667	1,667		0	1,543	1,543	
11.1%	0	1,767	1,767		0	1,678	1,678		0	1,661	1,661		0	1,536	1,536	
12.3%	0	1,767	1,767		0	1,669	1,669		0	1,623	1,623		0	1,504	1,504	
13.6%	0	1,765	1,765		0	1,648	1,648		0	1,598	1,598		0	1,472	1,472	
14.8%	0	1,765	1,765		0	1,636	1,636		0	1,595	1,595		0	1,469	1,469	
16.0%	0	1,761	1,761		0	1,625	1,625		0	1,588	1,588		0	1,464	1,464	
17.3%	0	1,745	1,745		0	1,589	1,589		0	1,582	1,582		0	1,459	1,459	
18.5%	0	1,737	1,737		0	1,542	1,542		0	1,510	1,510		0	1,384	1,384	
19.8%	0	1,733	1,733		0	1,538	1,538		0	1,497	1,497		0	1,373	1,373	
21.0%	0	1,684	1,684		0	1,497	1,497		0	1,420	1,420		0	1,304	1,304	
22.2%	0	1,664	1,664		0	1,482	1,482		0	1,413	1,413		0	1,302	1,302	
23.5%	0	1,644	1,644		0	1,477	1,477		0	1,407	1,407		0	1,292	1,292	
24.7%	0	1,641	1,641		0	1,454	1,454		0	1,391	1,391		0	1,287	1,287	
25.9%	0	1,584	1,584		0	1,449	1,449		0	1,382	1,382		0	1,284	1,284	
27.2%	0	1,553	1,553		0	1,447	1,447		0	1,373	1,373		0	1,272	1,272	
28.4%	0	1,539	1,539		0	1,420	1,420		0	1,319	1,319		0	1,238	1,238	
29.6%	0	1,537	1,537		0	1,419	1,419		0	1,318	1,318		0	1,238	1,238	
30.9%	0	1,527	1,527		0	1,418	1,418		0	1,308	1,308		0	1,223	1,223	
32.1%	0	1,523	1,523		0	1,413	1,413		0	1,303	1,303		0	1,215	1,215	
33.3%	0	1,518	1,518		0	1,377	1,377		0	1,298	1,298		0	1,210	1,210	
34.6%	0	1,488	1,488		0	1,338	1,338		0	1,282	1,282		0	1,207	1,207	
35.8%	0	1,462	1,462		0	1,324	1,324		0	1,277	1,277		0	1,191	1,191	
37.0%	0	1,437	1,437		0	1,324	1,324		0	1,275	1,275		0	1,188	1,188	
38.3%	0	1,432	1,432		0	1,322	1,322		0	1,273	1,273		0	1,183	1,183	
39.5%	0	1,425	1,425		0	1,315	1,315		0	1,224	1,224		0	1,178	1,178	
40.7%	0	1,418	1,418		0	1,314	1,314		0	1,215	1,215		0	1,171	1,171	
42.0%	0	1,418	1,418		0	1,275	1,275		0	1,201	1,201		0	1,140	1,140	
43.2%	0	1,391	1,391		0	1,258	1,258		0	1,178	1,178		0	1,124	1,124	
44.4%	0	1,369	1,369		0	1,228	1,228		0	1,161	1,161		0	1,121	1,121	
45.7%	0	1,319	1,319		0	1,200	1,200		0	1,158	1,158		0	1,121	1,121	
46.9%	0	1,268	1,268		0	1,193	1,193		0	1,157	1,157		0	1,062	1,062	
48.1%	0	1,241	1,241		0	1,156	1,156		0	1,156	1,156		0	1,048	1,048	
49.4%	0	1,234	1,234		0	1,151	1,151		0	1,112	1,112		0	1,045	1,045	
50.6%	0	1,216	1,216		0	1,146	1,146		0	1,100	1,100		0	1,018	1,018	
51.9%	0	1,215	1,215		0	1,133	1,133		0	1,082	1,082		0	1,006	1,006	
53.1%	0	1,212	1,212		0	1,133	1,133		0	1,047	1,047		0	997	997	
54.3%	0	1,208	1,208		0	1,121	1,121		0	1,034	1,034		0	983	983	
55.6%	0	1,203	1,203		0	1,114	1,114		0	1,033	1,033		0	963	963	
56.8%	0	1,192	1,192		0	1,108	1,108		0	1,015	1,015		0	947	947	
58.0%	0	1,189	1,189		0	1,067	1,067		0	1,008	1,008		0	944	944	
59.3%	0	1,181	1,181		0	1,052	1,052		0	1,000	1,000		0	941	941	
60.5%	0	1,174	1,174		0	1,039	1,039		0	987	987		0	940	940	
61.7%	0	1,161	1,161		0	1,030	1,030		0	980	980		0	914	914	
63.0%	0	1,131	1,131		0	1,026	1,026		0	953	953		0	895	895	
64.2%	0	1,079	1,079		0	1,019	1,019		0	931	931		0	886	886	
65.4%	0	1,028	1,028		0	970	970		0	925	925		0	885	885	
66.7%	0	1,016	1,016		0	922	922		0	906	906		0	869	869	
67.9%	0	991	991		0	913	913		0	859	859		0	765	765	
69.1%	0	979	979		0	905	905		0	814	814		0	721	721	
70.4%	0	962	962		0	870	870		0	772	772		0	678	678	
71.6%	0	944	944		0	788	788		0	698	698		0	662	662	
72.8%	0	938	938		0	771	771		0	647	647		0	564	564	
74.1%	0	831	831		0	736	736		0	601	601		0	535	535	
75.3%	0	803	803		0	697	697		0	599	599		0	512	512	
76.5%	0	792	792		0	693	693		0	595	595		0	502	502	
77.8%	0	775	775		0	673	673		0	575	575		0	492	492	
79.0%	0	712	712		0	557	557		0	516	516		0	482	482	
80.2%	0	614	614		0	553	553		0	475	475		0	472	472	
81.5%	0	602	602		0	512	512		0	460	460		0	399	399	
82.7%	0	587	587		0	455	455		0	400	400		0	365	365	
84.0%	0	550	550		0	407	407		0	311	311		0	261	261	
85.2%	0	457	457		0	355	355		0	259	259		0	168	168	
86.4%	0	383	383		0	286	286		0	190	190		0	140	140	
87.7%	0	362	362		0	265	265		0	170	170		0	136	136	
88.9%	0	343	343		0	247	247		0	151	151		0	131	131	
90.1%	0	280	280		0	184	184		0	129	129		0	131	131	
91.4%	0	249	249		0	154	154		0	125	125		0	126	126	
92.6%	0	218	218		0	131	131		0	125	125		0	126	126	
93.8%	0	206	206		0	124	124		0	125	125		0	124	124	
95.1%	0	198	198		0	120	120		0	120	120		0	120	120	
96.3%	0	171	171		0	120	120		0	120	120		0	120	120	
97.5%	0	143	143		0	120	120		0	120	120		0	120	120	
98.8%	0	126	126		0	120	120		0	120	120		0	120	120	
100.0%	0	120	120		0	120	120		0	120	120		0	120	120	

Table OP-10-5a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	439	435	442	451	460	472	473	471	465	455	450	444
Difference	439	435	442	451	460	472	473	471	465	455	450	444
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	486	480	487	482	491	503	508	510	507	501	499	492
Difference	486	480	487	482	491	503	508	510	507	501	499	492
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	463	458	466	453	465	483	489	492	488	478	472	465
Difference	463	458	466	453	465	483	489	492	488	478	472	465
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	440	437	442	445	453	468	471	468	463	452	447	443
Difference	440	437	442	445	453	468	471	468	463	452	447	443
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	409	406	410	441	450	461	460	453	443	432	422	414
Difference	409	406	410	441	450	461	460	453	443	432	422	414
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	360	359	367	402	407	414	407	399	386	373	366	363
Difference	360	359	367	402	407	414	407	399	386	373	366	363
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

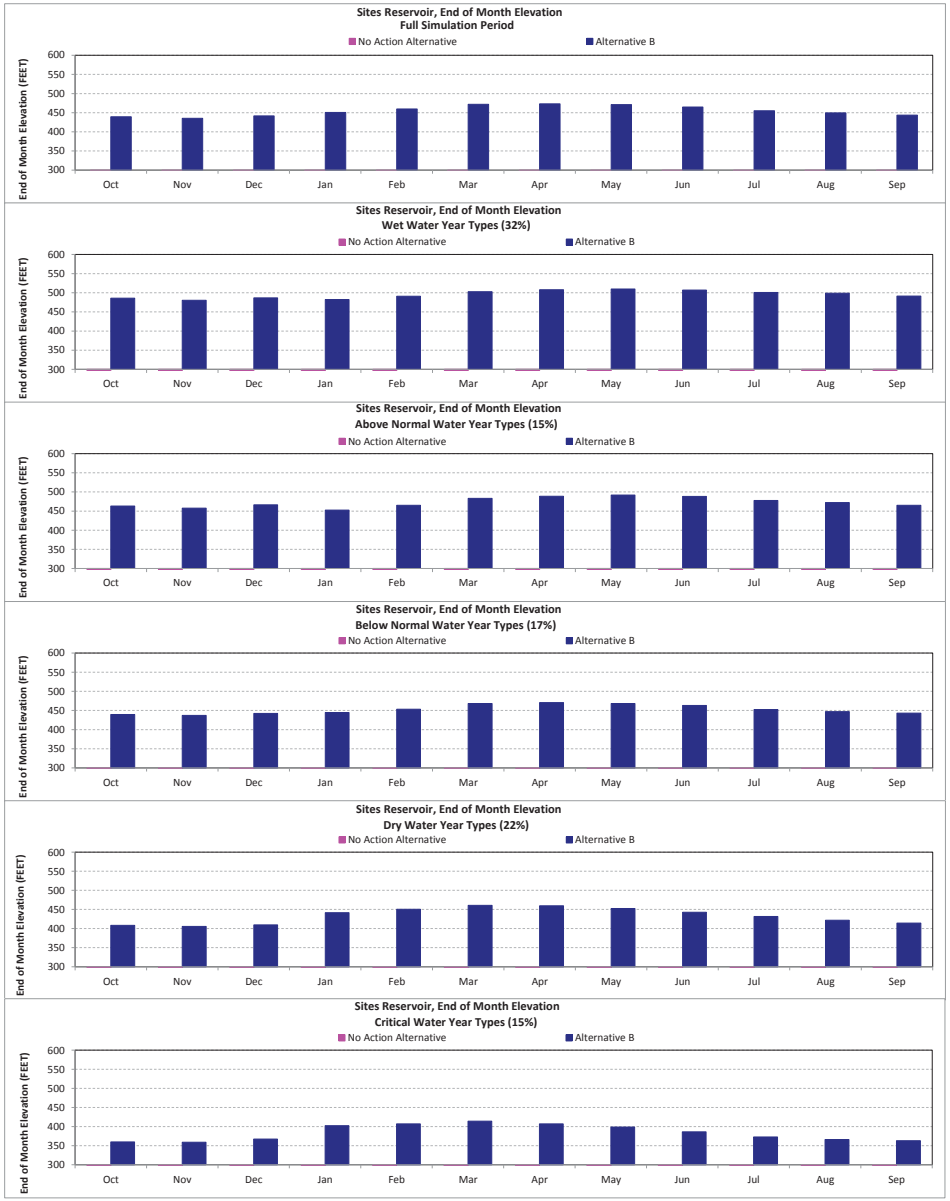

Figure OP-10-5b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

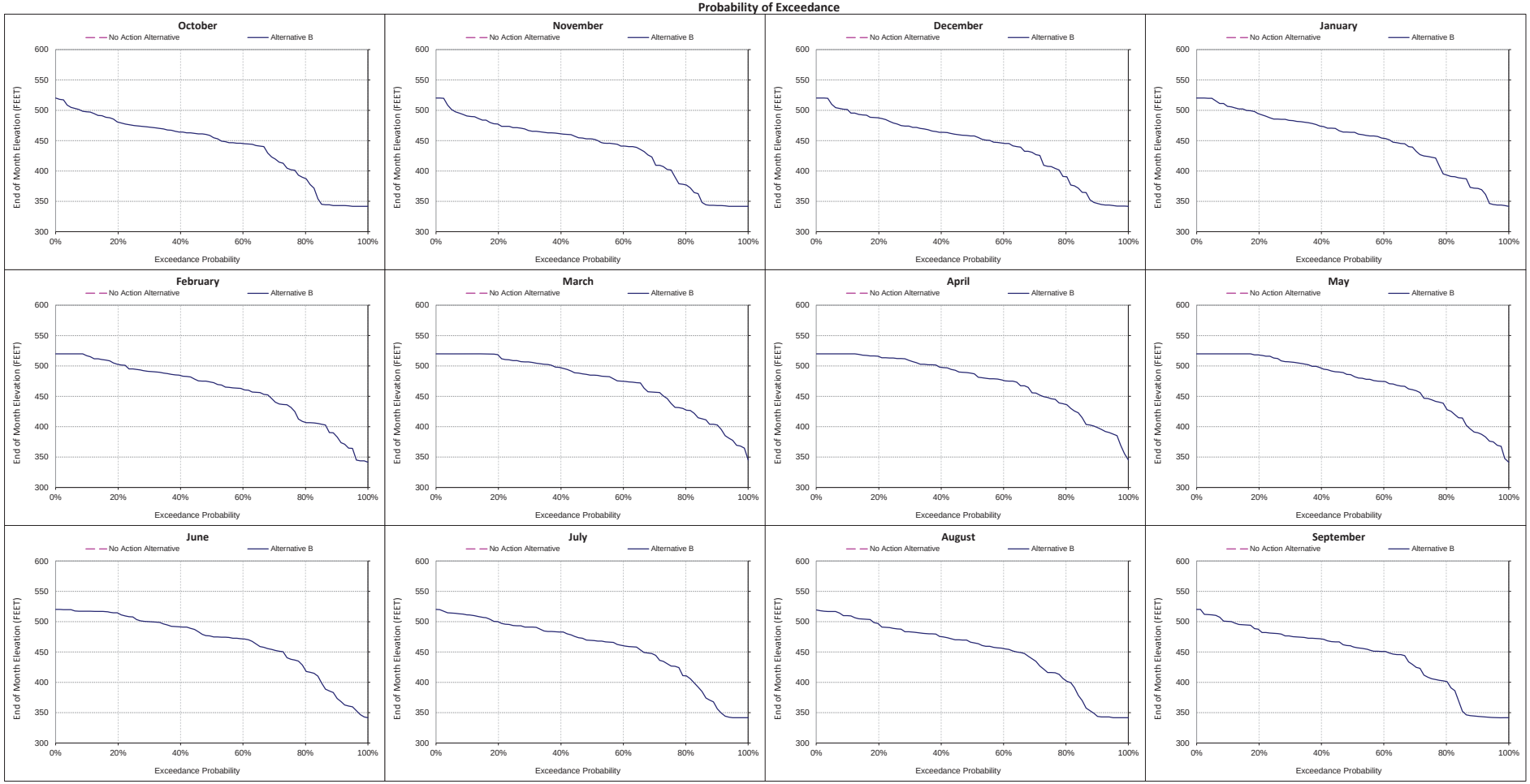

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520		0.0%	0	520	520		0.0%	0	520	520		0.0%	0	520	520	
1.2%	0	518	518		1.2%	0	520	520		1.2%	0	520	520		1.2%	0	520	520	
2.5%	0	517	517		2.5%	0	520	520		2.5%	0	520	520		2.5%	0	520	520	
3.7%	0	509	509		3.7%	0	509	509		3.7%	0	520	520		3.7%	0	520	520	
4.9%	0	505	505		4.9%	0	501	501		4.9%	0	510	510		4.9%	0	520	520	
6.2%	0	503	503		6.2%	0	497	497		6.2%	0	505	505		6.2%	0	515	515	
7.4%	0	501	501		7.4%	0	495	495		7.4%	0	503	503		7.4%	0	511	511	
8.6%	0	498	498		8.6%	0	493	493		8.6%	0	502	502		8.6%	0	511	511	
9.9%	0	497	497		9.9%	0	491	491		9.9%	0	501	501		9.9%	0	507	507	
11.1%	0	497	497		11.1%	0	490	490		11.1%	0	496	496		11.1%	0	506	506	
12.3%	0	495	495		12.3%	0	489	489		12.3%	0	495	495		12.3%	0	504	504	
13.6%	0	492	492		13.6%	0	486	486		13.6%	0	493	493		13.6%	0	502	502	
14.8%	0	491	491		14.8%	0	484	484		14.8%	0	492	492		14.8%	0	502	502	
16.0%	0	489	489		16.0%	0	484	484		16.0%	0	492	492		16.0%	0	500	500	
17.3%	0	488	488		17.3%	0	480	480		17.3%	0	488	488		17.3%	0	499	499	
18.5%	0	486	486		18.5%	0	478	478		18.5%	0	488	488		18.5%	0	498	498	
19.8%	0	481	481		19.8%	0	477	477		19.8%	0	488	488		19.8%	0	494	494	
21.0%	0	479	479		21.0%	0	474	474		21.0%	0	486	486		21.0%	0	492	492	
22.2%	0	478	478		22.2%	0	474	474		22.2%	0	485	485		22.2%	0	490	490	
23.5%	0	477	477		23.5%	0	473	473		23.5%	0	482	482		23.5%	0	488	488	
24.7%	0	475	475		24.7%	0	471	471		24.7%	0	479	479		24.7%	0	486	486	
25.9%	0	474	474		25.9%	0	471	471		25.9%	0	477	477		25.9%	0	486	486	
27.2%	0	474	474		27.2%	0	471	471		27.2%	0	475	475		27.2%	0	485	485	
28.4%	0	473	473		28.4%	0	469	469		28.4%	0	474	474		28.4%	0	485	485	
29.6%	0	473	473		29.6%	0	467	467		29.6%	0	474	474		29.6%	0	483	483	
30.9%	0	472	472		30.9%	0	466	466		30.9%	0	472	472		30.9%	0	483	483	
32.1%	0	471	471		32.1%	0	465	465		32.1%	0	472	472		32.1%	0	482	482	
33.3%	0	470	470		33.3%	0	464	464		33.3%	0	470	470		33.3%	0	481	481	
34.6%	0	469	469		34.6%	0	464	464		34.6%	0	469	469		34.6%	0	480	480	
35.8%	0	468	468		35.8%	0	463	463		35.8%	0	468	468		35.8%	0	480	480	
37.0%	0	467	467		37.0%	0	463	463		37.0%	0	466	466		37.0%	0	478	478	
38.3%	0	465	465		38.3%	0	463	463		38.3%	0	465	465		38.3%	0	477	477	
39.5%	0	464	464		39.5%	0	462	462		39.5%	0	464	464		39.5%	0	474	474	
40.7%	0	464	464		40.7%	0	461	461		40.7%	0	464	464		40.7%	0	473	473	
42.0%	0	463	463		42.0%	0	461	461		42.0%	0	463	463		42.0%	0	471	471	
43.2%	0	463	463		43.2%	0	460	460		43.2%	0	462	462		43.2%	0	470	470	
44.4%	0	462	462		44.4%	0	457	457		44.4%	0	461	461		44.4%	0	470	470	
45.7%	0	461	461		45.7%	0	455	455		45.7%	0	459	459		45.7%	0	466	466	
46.9%	0	461	461		46.9%	0	454	454		46.9%	0	459	459		46.9%	0	464	464	
48.1%	0	460	460		48.1%	0	453	453		48.1%	0	459	459		48.1%	0	464	464	
49.4%	0	459	459		49.4%	0	453	453		49.4%	0	458	458		49.4%	0	464	464	
50.6%	0	455	455		50.6%	0	452	452		50.6%	0	458	458		50.6%	0	464	464	
51.9%	0	453	453		51.9%	0	450	450		51.9%	0	455	455		51.9%	0	461	461	
53.1%	0	449	449		53.1%	0	447	447		53.1%	0	452	452		53.1%	0	460	460	
54.3%	0	448	448		54.3%	0	446	446		54.3%	0	451	451		54.3%	0	459	459	
55.6%	0	447	447		55.6%	0	446	446		55.6%	0	451	451		55.6%	0	458	458	
56.8%	0	446	446		56.8%	0	445	445		56.8%	0	448	448		56.8%	0	458	458	
58.0%	0	446	446		58.0%	0	444	444		58.0%	0	447	447		58.0%	0	457	457	
59.3%	0	446	446		59.3%	0	441	441		59.3%	0	446	446		59.3%	0	455	455	
60.5%	0	445	445		60.5%	0	441	441		60.5%	0	445	445		60.5%	0	453	453	
61.7%	0	445	445		61.7%	0	440	440		61.7%	0	445	445		61.7%	0	451	451	
63.0%	0	444	444		63.0%	0	440	440		63.0%	0	441	441		63.0%	0	448	448	
64.2%	0	442	442		64.2%	0	439	439		64.2%	0	440	440		64.2%	0	446	446	
65.4%	0	441	441		65.4%	0	436	436		65.4%	0	439	439		65.4%	0	445	445	
66.7%	0	440	440		66.7%	0	432	432		66.7%	0	433	433		66.7%	0	445	445	
67.9%	0	430	430		67.9%	0	426	426		67.9%	0	433	433		67.9%	0	440	440	
69.1%	0	423	423		69.1%	0	423	423		69.1%	0	431	431		69.1%	0	439	439	
70.4%	0	420	420		70.4%	0	409	409		70.4%	0	427	427		70.4%	0	433	433	
71.6%	0	415	415		71.6%	0	409	409		71.6%	0	426	426		71.6%	0	427	427	
72.8%	0	413	413		72.8%	0	407	407		72.8%	0	410	410		72.8%	0	425	425	
74.1%	0	405	405		74.1%	0	402	402		74.1%	0	408	408		74.1%	0	424	424	
75.3%	0	402	402		75.3%	0	401	401		75.3%	0	407	407		75.3%	0	423	423	
76.5%	0	401	401		76.5%	0	390	390		76.5%	0	404	404		76.5%	0	422	422	
77.8%	0	393	393		77.8%	0	379	379		77.8%	0	402	402		77.8%	0	409	409	
79.0%	0	390	390		79.0%	0	378	378		79.0%	0	391	391		79.0%	0	395	395	
80.2%	0	387	387		80.2%	0	377	377		80.2%	0	390	390		80.2%	0	393	393	
81.5%	0	378	378		81.5%	0	372	372		81.5%	0	377	377		81.5%	0	391	391	
82.7%	0	372	372		82.7%	0	364	364		82.7%	0	376	376		82.7%	0	390	390	
84.0%	0	354	354		84.0%	0	363	363		84.0%	0	372	372		84.0%	0	389	389	
85.2%	0	345	345		85.2%	0	348	348		85.2%	0	365	365		85.2%	0	388	388	
86.4%	0	344	344		86.4%	0	344	344		86.4%	0	365	365		86.4%	0	387	387	
87.7%	0	344	344		87.7%	0	343	343		87.7%	0	352	352		87.7%	0	373	373	
88.9%	0	343	343		88.9%	0	343	343		88.9%	0	348	348		88.9%	0	372	372	
90.1%	0	343	343		90.1%	0	343	343		90.1%	0	347	347		90.1%	0	371	371	
91.4%	0	343	343		91.4%	0	343	343		91.4%	0	345	345		91.4%	0	369	369	
92.6%	0	343	343		92.6%	0	343	343		92.6%	0	344	344		92.6%	0	361	361	
93.8%	0	342	342		93.8%	0	342	342		93.8%	0	344	344		93.8%	0	347	347	
95.1%	0	342	342		95.1%	0	342	342		95.1%	0	343	343		95.1%	0	345	345	
96.3%	0	342	342		96.3%	0	342	342		96.3%	0	342	342		96.3%	0	344	344	
97.5%	0	342	342		97.5%	0	342	342		97.5%	0	342	342		97.5%	0	344	344	
98.8%	0	342	342		98.8%	0	342	342		98.8%	0	342	342		98.8%	0	343	343	
100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342	

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative B	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative B	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	520	520		0	520	520		0	520	520		0	520	520	
2.5%	0	520	520		0	520	520		0	520	520		0	520	520	
3.7%	0	520	520		0	520	520		0	520	520		0	520	520	
4.9%	0	520	520		0	520	520		0	520	520		0	520	520	
6.2%	0	520	520		0	520	520		0	520	520		0	520	520	
7.4%	0	520	520		0	520	520		0	520	520		0	520	520	
8.6%	0	520	520		0	520	520		0	520	520		0	520	520	
9.9%	0	517	517		0	520	520		0	520	520		0	520	520	
11.1%	0	515	515		0	520	520		0	520	520		0	520	520	
12.3%	0	512	512		0	520	520		0	520	520		0	520	520	
13.6%	0	512	512		0	520	520		0	519	519		0	520	520	
14.8%	0	511	511		0	520	520		0	518	518		0	520	520	
16.0%	0	510	510		0	520	520		0	517	517		0	520	520	
17.3%	0	508	508		0	520	520		0	517	517		0	520	520	
18.5%	0	505	505		0	520	520		0	516	516		0	518	518	
19.8%	0	503	503		0	519	519		0	516	516		0	518	518	
21.0%	0	501	501		0	512	512		0	514	514		0	517	517	
22.2%	0	501	501		0	511	511		0	514	514		0	516	516	
23.5%	0	495	495		0	510	510		0	513	513		0	516	516	
24.7%	0	495	495		0	509	509		0	513	513		0	513	513	
25.9%	0	494	494		0	509	509		0	512	512		0	512	512	
27.2%	0	493	493		0	507	507		0	512	512		0	509	509	
28.4%	0	492	492		0	507	507		0	512	512		0	507	507	
29.6%	0	491	491		0	507	507		0	509	509		0	507	507	
30.9%	0	491	491		0	506	506		0	507	507		0	506	506	
32.1%	0	490	490		0	505	505		0	505	505		0	505	505	
33.3%	0	490	490		0	504	504		0	503	503		0	504	504	
34.6%	0	488	488		0	503	503		0	503	503		0	503	503	
35.8%	0	488	488		0	502	502		0	502	502		0	502	502	
37.0%	0	486	486		0	501	501		0	502	502		0	499	499	
38.3%	0	485	485		0	498	498		0	502	502		0	499	499	
39.5%	0	485	485		0	498	498		0	498	498		0	497	497	
40.7%	0	483	483		0	496	496		0	497	497		0	495	495	
42.0%	0	483	483		0	494	494		0	497	497		0	494	494	
43.2%	0	482	482		0	492	492		0	494	494		0	492	492	
44.4%	0	479	479		0	489	489		0	493	493		0	490	490	
45.7%	0	476	476		0	488	488		0	490	490		0	490	490	
46.9%	0	475	475		0	487	487		0	490	490		0	489	489	
48.1%	0	475	475		0	486	486		0	489	489		0	486	486	
49.4%	0	474	474		0	485	485		0	488	488		0	486	486	
50.6%	0	473	473		0	485	485		0	487	487		0	482	482	
51.9%	0	469	469		0	485	485		0	482	482		0	480	480	
53.1%	0	469	469		0	483	483		0	481	481		0	480	480	
54.3%	0	465	465		0	483	483		0	480	480		0	478	478	
55.6%	0	465	465		0	482	482		0	479	479		0	478	478	
56.8%	0	464	464		0	479	479		0	479	479		0	476	476	
58.0%	0	464	464		0	476	476		0	479	479		0	475	475	
59.3%	0	463	463		0	475	475		0	477	477		0	474	474	
60.5%	0	461	461		0	475	475		0	476	476		0	474	474	
61.7%	0	460	460		0	474	474		0	475	475		0	471	471	
63.0%	0	457	457		0	473	473		0	475	475		0	470	470	
64.2%	0	456	456		0	472	472		0	474	474		0	468	468	
65.4%	0	456	456		0	472	472		0	468	468		0	467	467	
66.7%	0	453	453		0	464	464		0	467	467		0	466	466	
67.9%	0	453	453		0	457	457		0	465	465		0	462	462	
69.1%	0	446	446		0	457	457		0	456	456		0	461	461	
70.4%	0	440	440		0	457	457		0	456	456		0	459	459	
71.6%	0	437	437		0	456	456		0	452	452		0	456	456	
72.8%	0	437	437		0	451	451		0	449	449		0	447	447	
74.1%	0	436	436		0	446	446		0	448	448		0	446	446	
75.3%	0	432	432		0	438	438		0	446	446		0	444	444	
76.5%	0	425	425		0	432	432		0	445	445		0	442	442	
77.8%	0	413	413		0	431	431		0	439	439		0	440	440	
79.0%	0	409	409		0	430	430		0	438	438		0	439	439	
80.2%	0	407	407		0	427	427		0	436	436		0	428	428	
81.5%	0	406	406		0	427	427		0	430	430		0	426	426	
82.7%	0	406	406		0	422	422		0	426	426		0	420	420	
84.0%	0	405	405		0	415	415		0	423	423		0	415	415	
85.2%	0	404	404		0	413	413		0	415	415		0	414	414	
86.4%	0	403	403		0	411	411		0	403	403		0	403	403	
87.7%	0	390	390		0	404	404		0	403	403		0	396	396	
88.9%	0	390	390		0	404	404		0	401	401		0	391	391	
90.1%	0	383	383		0	403	403		0	398	398		0	390	390	
91.4%	0	373	373		0	396	396		0	396	396		0	387	387	
92.6%	0	371	371		0	385	385		0	392	392		0	383	383	
93.8%	0	364	364		0	381	381		0	390	390		0	376	376	
95.1%	0	364	364		0	377	377		0	388	388		0	375	375	
96.3%	0	345	345		0	370	370		0	385	385		0	369	369	
97.5%	0	344	344		0	368	368		0	370	370		0	368	368	
98.8%	0	344	344		0	364	364		0	355	355		0	348	348	
100.0%	0	342	342		0	345	345		0	345	345		0	342	342	

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520		0.0%	0	520	520		0.0%	0	519	519		0.0%	0	520	520	
1.2%	0	520	520		1.2%	0	520	520		1.2%	0	518	518		1.2%	0	520	520	
2.5%	0	520	520		2.5%	0	517	517		2.5%	0	517	517		2.5%	0	512	512	
3.7%	0	520	520		3.7%	0	515	515		3.7%	0	517	517		3.7%	0	511	511	
4.9%	0	520	520		4.9%	0	514	514		4.9%	0	517	517		4.9%	0	511	511	
6.2%	0	518	518		6.2%	0	514	514		6.2%	0	517	517		6.2%	0	510	510	
7.4%	0	517	517		7.4%	0	513	513		7.4%	0	514	514		7.4%	0	507	507	
8.6%	0	517	517		8.6%	0	512	512		8.6%	0	510	510		8.6%	0	501	501	
9.9%	0	517	517		9.9%	0	511	511		9.9%	0	510	510		9.9%	0	501	501	
11.1%	0	517	517		11.1%	0	511	511		11.1%	0	509	509		11.1%	0	500	500	
12.3%	0	517	517		12.3%	0	510	510		12.3%	0	507	507		12.3%	0	498	498	
13.6%	0	517	517		13.6%	0	508	508		13.6%	0	505	505		13.6%	0	495	495	
14.8%	0	517	517		14.8%	0	507	507		14.8%	0	505	505		14.8%	0	495	495	
16.0%	0	517	517		16.0%	0	507	507		16.0%	0	504	504		16.0%	0	495	495	
17.3%	0	515	515		17.3%	0	504	504		17.3%	0	504	504		17.3%	0	494	494	
18.5%	0	515	515		18.5%	0	501	501		18.5%	0	498	498		18.5%	0	488	488	
19.8%	0	515	515		19.8%	0	500	500		19.8%	0	497	497		19.8%	0	487	487	
21.0%	0	511	511		21.0%	0	497	497		21.0%	0	491	491		21.0%	0	482	482	
22.2%	0	510	510		22.2%	0	496	496		22.2%	0	491	491		22.2%	0	482	482	
23.5%	0	508	508		23.5%	0	496	496		23.5%	0	490	490		23.5%	0	481	481	
24.7%	0	508	508		24.7%	0	494	494		24.7%	0	489	489		24.7%	0	481	481	
25.9%	0	504	504		25.9%	0	493	493		25.9%	0	488	488		25.9%	0	481	481	
27.2%	0	501	501		27.2%	0	493	493		27.2%	0	488	488		27.2%	0	480	480	
28.4%	0	500	500		28.4%	0	491	491		28.4%	0	483	483		28.4%	0	477	477	
29.6%	0	500	500		29.6%	0	491	491		29.6%	0	483	483		29.6%	0	477	477	
30.9%	0	499	499		30.9%	0	491	491		30.9%	0	482	482		30.9%	0	475	475	
32.1%	0	499	499		32.1%	0	491	491		32.1%	0	482	482		32.1%	0	475	475	
33.3%	0	499	499		33.3%	0	488	488		33.3%	0	482	482		33.3%	0	474	474	
34.6%	0	496	496		34.6%	0	485	485		34.6%	0	480	480		34.6%	0	474	474	
35.8%	0	494	494		35.8%	0	484	484		35.8%	0	480	480		35.8%	0	473	473	
37.0%	0	493	493		37.0%	0	484	484		37.0%	0	480	480		37.0%	0	472	472	
38.3%	0	492	492		38.3%	0	484	484		38.3%	0	480	480		38.3%	0	472	472	
39.5%	0	492	492		39.5%	0	483	483		39.5%	0	476	476		39.5%	0	472	472	
40.7%	0	491	491		40.7%	0	483	483		40.7%	0	475	475		40.7%	0	471	471	
42.0%	0	491	491		42.0%	0	480	480		42.0%	0	474	474		42.0%	0	468	468	
43.2%	0	489	489		43.2%	0	478	478		43.2%	0	472	472		43.2%	0	467	467	
44.4%	0	487	487		44.4%	0	476	476		44.4%	0	470	470		44.4%	0	467	467	
45.7%	0	483	483		45.7%	0	474	474		45.7%	0	470	470		45.7%	0	467	467	
46.9%	0	479	479		46.9%	0	473	473		46.9%	0	470	470		46.9%	0	462	462	
48.1%	0	477	477		48.1%	0	470	470		48.1%	0	470	470		48.1%	0	461	461	
49.4%	0	476	476		49.4%	0	469	469		49.4%	0	466	466		49.4%	0	460	460	
50.6%	0	475	475		50.6%	0	469	469		50.6%	0	465	465		50.6%	0	458	458	
51.9%	0	475	475		51.9%	0	468	468		51.9%	0	463	463		51.9%	0	457	457	
53.1%	0	475	475		53.1%	0	468	468		53.1%	0	461	461		53.1%	0	456	456	
54.3%	0	474	474		54.3%	0	467	467		54.3%	0	459	459		54.3%	0	455	455	
55.6%	0	474	474		55.6%	0	466	466		55.6%	0	459	459		55.6%	0	453	453	
56.8%	0	473	473		56.8%	0	466	466		56.8%	0	458	458		56.8%	0	451	451	
58.0%	0	473	473		58.0%	0	462	462		58.0%	0	457	457		58.0%	0	451	451	
59.3%	0	472	472		59.3%	0	461	461		59.3%	0	456	456		59.3%	0	451	451	
60.5%	0	471	471		60.5%	0	460	460		60.5%	0	455	455		60.5%	0	451	451	
61.7%	0	470	470		61.7%	0	459	459		61.7%	0	454	454		61.7%	0	448	448	
63.0%	0	468	468		63.0%	0	459	459		63.0%	0	452	452		63.0%	0	447	447	
64.2%	0	463	463		64.2%	0	458	458		64.2%	0	450	450		64.2%	0	446	446	
65.4%	0	459	459		65.4%	0	454	454		65.4%	0	449	449		65.4%	0	446	446	
66.7%	0	458	458		66.7%	0	449	449		66.7%	0	448	448		66.7%	0	444	444	
67.9%	0	455	455		67.9%	0	448	448		67.9%	0	443	443		67.9%	0	434	434	
69.1%	0	454	454		69.1%	0	447	447		69.1%	0	439	439		69.1%	0	429	429	
70.4%	0	453	453		70.4%	0	444	444		70.4%	0	435	435		70.4%	0	425	425	
71.6%	0	451	451		71.6%	0	436	436		71.6%	0	427	427		71.6%	0	423	423	
72.8%	0	451	451		72.8%	0	434	434		72.8%	0	422	422		72.8%	0	412	412	
74.1%	0	441	441		74.1%	0	431	431		74.1%	0	416	416		74.1%	0	409	409	
75.3%	0	438	438		75.3%	0	427	427		75.3%	0	416	416		75.3%	0	406	406	
76.5%	0	437	437		76.5%	0	426	426		76.5%	0	416	416		76.5%	0	405	405	
77.8%	0	435	435		77.8%	0	424	424		77.8%	0	413	413		77.8%	0	404	404	
79.0%	0	428	428		79.0%	0	411	411		79.0%	0	406	406		79.0%	0	402	402	
80.2%	0	418	418		80.2%	0	411	411		80.2%	0	402	402		80.2%	0	401	401	
81.5%	0	417	417		81.5%	0	406	406		81.5%	0	400	400		81.5%	0	391	391	
82.7%	0	415	415		82.7%	0	399	399		82.7%	0	391	391		82.7%	0	386	386	
84.0%	0	410	410		84.0%	0	392	392		84.0%	0	378	378		84.0%	0	370	370	
85.2%	0	399	399		85.2%	0	385	385		85.2%	0	370	370		85.2%	0	353	353	
86.4%	0	389	389		86.4%	0	374	374		86.4%	0	358	358		86.4%	0	346	346	
87.7%	0	386	386		87.7%	0	371	371		87.7%	0	353	353		87.7%	0	345	345	
88.9%	0	383	383		88.9%	0	368	368		88.9%	0	349	349		88.9%	0	344	344	
90.1%	0	373	373		90.1%	0	356	356		90.1%	0	344	344		90.1%	0	344	344	
91.4%	0	368	368		91.4%	0	349	349		91.4%	0	343	343		91.4%	0	343	343	
92.6%	0	363	363		92.6%	0	344	344		92.6%	0	343	343		92.6%	0	343	343	
93.8%	0	361	361		93.8%	0	343	343		93.8%	0	343	343		93.8%	0	343	343	
95.1%	0	360	360		95.1%	0	342	342		95.1%	0	342	342		95.1%	0	342	342	
96.3%	0	353	353		96.3%	0	342	342		96.3%	0	342	342		96.3%	0	342	342	
97.5%	0	347	347		97.5%	0	342	342		97.5%	0	342	342		97.5%	0	342	342	
98.8%	0	343	343		98.8%	0	342	342		98.8%	0	342	342		98.8%	0	342	342	
100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342		100.0%	0	342	342	

Table OP-11-5a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	9,933	9,735	10,082	10,591	11,063	11,714	11,793	11,671	11,331	10,807	10,501	10,175
Difference	9,933	9,735	10,082	10,591	11,063	11,714	11,793	11,671	11,331	10,807	10,501	10,175
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	12,563	12,296	12,605	12,329	12,767	13,331	13,573	13,674	13,554	13,267	13,170	12,837
Difference	12,563	12,296	12,605	12,329	12,767	13,331	13,573	13,674	13,554	13,267	13,170	12,837
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	11,428	11,120	11,572	10,735	11,413	12,352	12,661	12,816	12,662	12,160	11,890	11,541
Difference	11,428	11,120	11,572	10,735	11,413	12,352	12,661	12,816	12,662	12,160	11,890	11,541
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	10,098	9,954	10,256	10,247	10,731	11,587	11,761	11,630	11,374	10,813	10,511	10,298
Difference	10,098	9,954	10,256	10,247	10,731	11,587	11,761	11,630	11,374	10,813	10,511	10,298
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	8,216	8,053	8,270	10,116	10,619	11,170	11,140	10,759	10,202	9,591	9,028	8,557
Difference	8,216	8,053	8,270	10,116	10,619	11,170	11,140	10,759	10,202	9,591	9,028	8,557
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	5,118	5,067	5,643	7,795	8,076	8,533	8,082	7,599	6,830	5,943	5,528	5,326
Difference	5,118	5,067	5,643	7,795	8,076	8,533	8,082	7,599	6,830	5,943	5,528	5,326
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

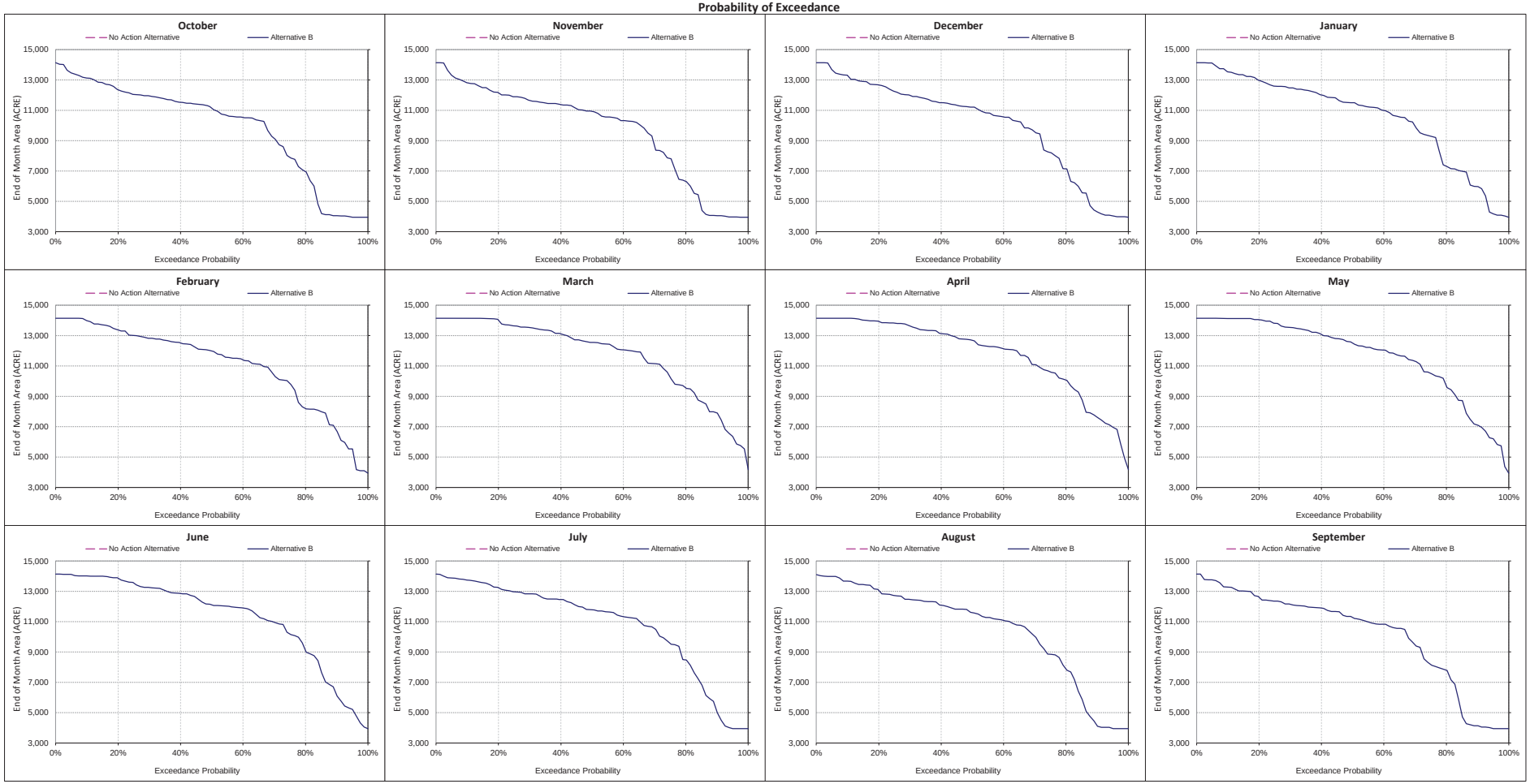

Table OP-11-5b

Sites Reservoir, End of Month Area
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137	
1.2%	0	14,039	14,039		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137	
2.5%	0	14,016	14,016		2.5%	0	14,120	14,120		2.5%	0	14,136	14,136		2.5%	0	14,136	14,136	
3.7%	0	13,636	13,636		3.7%	0	13,638	13,638		3.7%	0	14,126	14,126		3.7%	0	14,126	14,126	
4.9%	0	13,467	13,467		4.9%	0	13,315	13,315		4.9%	0	13,686	13,686		4.9%	0	14,122	14,122	
6.2%	0	13,382	13,382		6.2%	0	13,134	13,134		6.2%	0	13,454	13,454		6.2%	0	13,928	13,928	
7.4%	0	13,304	13,304		7.4%	0	13,043	13,043		7.4%	0	13,380	13,380		7.4%	0	13,748	13,748	
8.6%	0	13,175	13,175		8.6%	0	12,945	12,945		8.6%	0	13,327	13,327		8.6%	0	13,741	13,741	
9.9%	0	13,135	13,135		9.9%	0	12,817	12,817		9.9%	0	13,311	13,311		9.9%	0	13,543	13,543	
11.1%	0	13,120	13,120		11.1%	0	12,772	12,772		11.1%	0	13,047	13,047		11.1%	0	13,497	13,497	
12.3%	0	13,002	13,002		12.3%	0	12,758	12,758		12.3%	0	13,038	13,038		12.3%	0	13,417	13,417	
13.6%	0	12,861	12,861		13.6%	0	12,615	12,615		13.6%	0	12,947	12,947		13.6%	0	13,357	13,357	
14.8%	0	12,846	12,846		14.8%	0	12,496	12,496		14.8%	0	12,898	12,898		14.8%	0	13,347	13,347	
16.0%	0	12,722	12,722		16.0%	0	12,495	12,495		16.0%	0	12,880	12,880		16.0%	0	13,237	13,237	
17.3%	0	12,680	12,680		17.3%	0	12,326	12,326		17.3%	0	12,715	12,715		17.3%	0	13,223	13,223	
18.5%	0	12,581	12,581		18.5%	0	12,208	12,208		18.5%	0	12,705	12,705		18.5%	0	13,157	13,157	
19.8%	0	12,373	12,373		19.8%	0	12,188	12,188		19.8%	0	12,675	12,675		19.8%	0	12,993	12,993	
21.0%	0	12,275	12,275		21.0%	0	12,009	12,009		21.0%	0	12,624	12,624		21.0%	0	12,902	12,902	
22.2%	0	12,206	12,206		22.2%	0	12,009	12,009		22.2%	0	12,538	12,538		22.2%	0	12,811	12,811	
23.5%	0	12,154	12,154		23.5%	0	11,994	11,994		23.5%	0	12,398	12,398		23.5%	0	12,675	12,675	
24.7%	0	12,058	12,058		24.7%	0	11,897	11,897		24.7%	0	12,279	12,279		24.7%	0	12,590	12,590	
25.9%	0	12,041	12,041		25.9%	0	11,892	11,892		25.9%	0	12,191	12,191		25.9%	0	12,583	12,583	
27.2%	0	12,019	12,019		27.2%	0	11,856	11,856		27.2%	0	12,059	12,059		27.2%	0	12,574	12,574	
28.4%	0	11,970	11,970		28.4%	0	11,787	11,787		28.4%	0	12,030	12,030		28.4%	0	12,563	12,563	
29.6%	0	11,970	11,970		29.6%	0	11,668	11,668		29.6%	0	12,019	12,019		29.6%	0	12,482	12,482	
30.9%	0	11,913	11,913		30.9%	0	11,599	11,599		30.9%	0	11,917	11,917		30.9%	0	12,471	12,471	
32.1%	0	11,880	11,880		32.1%	0	11,585	11,585		32.1%	0	11,910	11,910		32.1%	0	12,398	12,398	
33.3%	0	11,824	11,824		33.3%	0	11,543	11,543		33.3%	0	11,837	11,837		33.3%	0	12,385	12,385	
34.6%	0	11,781	11,781		34.6%	0	11,507	11,507		34.6%	0	11,786	11,786		34.6%	0	12,344	12,344	
35.8%	0	11,712	11,712		35.8%	0	11,456	11,456		35.8%	0	11,718	11,718		35.8%	0	12,304	12,304	
37.0%	0	11,682	11,682		37.0%	0	11,453	11,453		37.0%	0	11,604	11,604		37.0%	0	12,234	12,234	
38.3%	0	11,584	11,584		38.3%	0	11,451	11,451		38.3%	0	11,562	11,562		38.3%	0	12,163	12,163	
39.5%	0	11,533	11,533		39.5%	0	11,394	11,394		39.5%	0	11,503	11,503		39.5%	0	12,035	12,035	
40.7%	0	11,521	11,521		40.7%	0	11,354	11,354		40.7%	0	11,501	11,501		40.7%	0	11,984	11,984	
42.0%	0	11,472	11,472		42.0%	0	11,345	11,345		42.0%	0	11,476	11,476		42.0%	0	11,855	11,855	
43.2%	0	11,467	11,467		43.2%	0	11,309	11,309		43.2%	0	11,403	11,403		43.2%	0	11,847	11,847	
44.4%	0	11,427	11,427		44.4%	0	11,185	11,185		44.4%	0	11,363	11,363		44.4%	0	11,830	11,830	
45.7%	0	11,378	11,378		45.7%	0	11,043	11,043		45.7%	0	11,288	11,288		45.7%	0	11,640	11,640	
46.9%	0	11,374	11,374		46.9%	0	11,022	11,022		46.9%	0	11,270	11,270		46.9%	0	11,529	11,529	
48.1%	0	11,333	11,333		48.1%	0	10,956	10,956		48.1%	0	11,252	11,252		48.1%	0	11,526	11,526	
49.4%	0	11,251	11,251		49.4%	0	10,949	10,949		49.4%	0	11,206	11,206		49.4%	0	11,503	11,503	
50.6%	0	11,032	11,032		50.6%	0	10,895	10,895		50.6%	0	11,203	11,203		50.6%	0	11,501	11,501	
51.9%	0	10,943	10,943		51.9%	0	10,797	10,797		51.9%	0	11,064	11,064		51.9%	0	11,349	11,349	
53.1%	0	10,749	10,749		53.1%	0	10,613	10,613		53.1%	0	10,916	10,916		53.1%	0	11,309	11,309	
54.3%	0	10,692	10,692		54.3%	0	10,569	10,569		54.3%	0	10,839	10,839		54.3%	0	11,252	11,252	
55.6%	0	10,613	10,613		55.6%	0	10,568	10,568		55.6%	0	10,820	10,820		55.6%	0	11,206	11,206	
56.8%	0	10,603	10,603		56.8%	0	10,520	10,520		56.8%	0	10,662	10,662		56.8%	0	11,188	11,188	
58.0%	0	10,558	10,558		58.0%	0	10,466	10,466		58.0%	0	10,634	10,634		58.0%	0	11,163	11,163	
59.3%	0	10,557	10,557		59.3%	0	10,322	10,322		59.3%	0	10,589	10,589		59.3%	0	11,028	11,028	
60.5%	0	10,515	10,515		60.5%	0	10,322	10,322		60.5%	0	10,549	10,549		60.5%	0	10,970	10,970	
61.7%	0	10,510	10,510		61.7%	0	10,282	10,282		61.7%	0	10,540	10,540		61.7%	0	10,854	10,854	
63.0%	0	10,483	10,483		63.0%	0	10,265	10,265		63.0%	0	10,342	10,342		63.0%	0	10,662	10,662	
64.2%	0	10,368	10,368		64.2%	0	10,209	10,209		64.2%	0	10,278	10,278		64.2%	0	10,605	10,605	
65.4%	0	10,323	10,323		65.4%	0	10,011	10,011		65.4%	0	10,233	10,233		65.4%	0	10,540	10,540	
66.7%	0	10,272	10,272		66.7%	0	9,816	9,816		66.7%	0	9,844	9,844		66.7%	0	10,524	10,524	
67.9%	0	9,671	9,671		67.9%	0	9,492	9,492		67.9%	0	9,840	9,840		67.9%	0	10,278	10,278	
69.1%	0	9,297	9,297		69.1%	0	9,308	9,308		69.1%	0	9,727	9,727		69.1%	0	10,230	10,230	
70.4%	0	9,088	9,088		70.4%	0	8,371	8,371		70.4%	0	9,514	9,514		70.4%	0	9,840	9,840	
71.6%	0	8,735	8,735		71.6%	0	8,354	8,354		71.6%	0	9,453	9,453		71.6%	0	9,514	9,514	
72.8%	0	8,603	8,603		72.8%	0	8,230	8,230		72.8%	0	8,382	8,382		72.8%	0	9,405	9,405	
74.1%	0	8,030	8,030		74.1%	0	7,868	7,868		74.1%	0	8,258	8,258		74.1%	0	9,346	9,346	
75.3%	0	7,847	7,847		75.3%	0	7,806	7,806		75.3%	0	8,203	8,203		75.3%	0	9,279	9,279	
76.5%	0	7,776	7,776		76.5%	0	7,110	7,110		76.5%	0	8,005	8,005		76.5%	0	9,208	9,208	
77.8%	0	7,287	7,287		77.8%	0	6,445	6,445		77.8%	0	7,832	7,832		77.8%	0	8,306	8,306	
79.0%	0	7,087	7,087		79.0%	0	6,401	6,401		79.0%	0	7,154	7,154		79.0%	0	7,417	7,417	
80.2%	0	6,935	6,935		80.2%	0	6,303	6,303		80.2%	0	7,134	7,134		80.2%	0	7,294	7,294	
81.5%	0	6,360	6,360		81.5%	0	6,013	6,013		81.5%	0	6,318	6,318		81.5%	0	7,154	7,154	
82.7%	0	6,003	6,003		82.7%	0	5,524	5,524		82.7%	0	6,235	6,235		82.7%	0	7,134	7,134	
84.0%	0	4,831	4,831		84.0%	0	5,440	5,440		84.0%	0	5,993	5,993		84.0%	0	7,034	7,034	
85.2%	0	4,198	4,198		85.2%	0	4,396	4,396		85.2%	0	5,566	5,566		85.2%	0	6,978	6,978	
86.4%	0	4,129	4,129		86.4%	0	4,139	4,139		86.4%	0	5,547	5,547		86.4%	0	6,935	6,935	
87.7%	0	4,126	4,126		87.7%	0	4,066	4,066		87.7%	0	4,717	4,717		87.7%	0	6,077	6,077	
88.9%	0	4,053	4,053		88.9%	0	4,066	4,066		88.9%	0	4,425	4,425		88.9%	0	5,985	5,985	
90.1%	0	4,053	4,053		90.1%	0	4,056	4,056		90.1%	0	4,293	4,293		90.1%	0	5,964	5,964	
91.4%	0	4,043	4,043		91.4%	0	4,056	4,056		91.4%	0	4,173	4,173		91.4%	0	5,838	5,838	
92.6%	0	4,043	4,043		92.6%	0	4,017	4,017		92.6%	0	4,092	4,092		92.6%	0	5,351	5,351	
93.8%	0	4,004	4,004		93.8%	0	3,964	3,964		93.8%	0	4,092	4,092		93.8%	0	4,293	4,293	
95.1%	0	3,950	3,950		95.1%	0	3,963	3,963		95.1%	0	4,043	4,043		95.1%	0	4,173	4,173	
96.3%	0	3,950	3,950		96.3%	0	3,963	3,963		96.3%	0	3,990	3,990		96.3%	0	4,092	4,092	
97.5%	0	3,950	3,950		97.5%	0	3,950	3,950		97.5%	0	3,989	3,989		97.5%	0	4,092	4,092	
98.8%	0	3,950	3,950		98.8%	0	3,950	3,950		98.8%	0	3,989	3,989		98.8%	0	4,043	4,043	
100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950	

Table OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
1.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
2.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
3.7%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
4.9%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
6.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
7.4%	0	14,136	14,136		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
8.6%	0	14,126	14,126		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
9.9%	0	13,995	13,995		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
11.1%	0	13,917	13,917		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
12.3%	0	13,774	13,774		0	14,137	14,137		0	14,125	14,125		0	14,120	14,120	
13.6%	0	13,763	13,763		0	14,136	14,136		0	14,091	14,091		0	14,120	14,120	
14.8%	0	13,720	13,720		0	14,126	14,126		0	14,027	14,027		0	14,120	14,120	
16.0%	0	13,678	13,678		0	14,120	14,120		0	14,014	14,014		0	14,120	14,120	
17.3%	0	13,619	13,619		0	14,119	14,119		0	13,979	13,979		0	14,120	14,120	
18.5%	0	13,474	13,474		0	14,112	14,112		0	13,974	13,974		0	14,062	14,062	
19.8%	0	13,385	13,385		0	14,071	14,071		0	13,961	13,961		0	14,054	14,054	
21.0%	0	13,311	13,311		0	13,775	13,775		0	13,852	13,852		0	14,016	14,016	
22.2%	0	13,308	13,308		0	13,716	13,716		0	13,852	13,852		0	13,961	13,961	
23.5%	0	13,029	13,029		0	13,692	13,692		0	13,834	13,834		0	13,953	13,953	
24.7%	0	13,019	13,019		0	13,640	13,640		0	13,833	13,833		0	13,825	13,825	
25.9%	0	12,990	12,990		0	13,636	13,636		0	13,796	13,796		0	13,798	13,798	
27.2%	0	12,944	12,944		0	13,568	13,568		0	13,796	13,796		0	13,626	13,626	
28.4%	0	12,892	12,892		0	13,555	13,555		0	13,773	13,773		0	13,559	13,559	
29.6%	0	12,832	12,832		0	13,544	13,544		0	13,662	13,662		0	13,538	13,538	
30.9%	0	12,830	12,830		0	13,515	13,515		0	13,560	13,560		0	13,520	13,520	
32.1%	0	12,782	12,782		0	13,456	13,456		0	13,489	13,489		0	13,482	13,482	
33.3%	0	12,771	12,771		0	13,406	13,406		0	13,383	13,383		0	13,439	13,439	
34.6%	0	12,710	12,710		0	13,382	13,382		0	13,373	13,373		0	13,391	13,391	
35.8%	0	12,675	12,675		0	13,358	13,358		0	13,345	13,345		0	13,341	13,341	
37.0%	0	12,608	12,608		0	13,308	13,308		0	13,341	13,341		0	13,226	13,226	
38.3%	0	12,572	12,572		0	13,160	13,160		0	13,327	13,327		0	13,225	13,225	
39.5%	0	12,545	12,545		0	13,153	13,153		0	13,160	13,160		0	13,131	13,131	
40.7%	0	12,467	12,467		0	13,073	13,073		0	13,122	13,122		0	13,000	13,000	
42.0%	0	12,444	12,444		0	12,995	12,995		0	13,100	13,100		0	12,975	12,975	
43.2%	0	12,414	12,414		0	12,867	12,867		0	12,993	12,993		0	12,878	12,878	
44.4%	0	12,258	12,258		0	12,723	12,723		0	12,933	12,933		0	12,808	12,808	
45.7%	0	12,108	12,108		0	12,716	12,716		0	12,784	12,784		0	12,796	12,796	
46.9%	0	12,086	12,086		0	12,659	12,659		0	12,766	12,766		0	12,749	12,749	
48.1%	0	12,074	12,074		0	12,608	12,608		0	12,752	12,752		0	12,615	12,615	
49.4%	0	12,018	12,018		0	12,557	12,557		0	12,719	12,719		0	12,584	12,584	
50.6%	0	11,950	11,950		0	12,551	12,551		0	12,659	12,659		0	12,434	12,434	
51.9%	0	11,787	11,787		0	12,536	12,536		0	12,395	12,395		0	12,334	12,334	
53.1%	0	11,753	11,753		0	12,467	12,467		0	12,352	12,352		0	12,305	12,305	
54.3%	0	11,582	11,582		0	12,443	12,443		0	12,312	12,312		0	12,231	12,231	
55.6%	0	11,553	11,553		0	12,431	12,431		0	12,280	12,280		0	12,226	12,226	
56.8%	0	11,505	11,505		0	12,276	12,276		0	12,276	12,276		0	12,125	12,125	
58.0%	0	11,503	11,503		0	12,100	12,100		0	12,251	12,251		0	12,079	12,079	
59.3%	0	11,473	11,473		0	12,068	12,068		0	12,175	12,175		0	12,048	12,048	
60.5%	0	11,352	11,352		0	12,060	12,060		0	12,100	12,100		0	12,038	12,038	
61.7%	0	11,332	11,332		0	12,018	12,018		0	12,084	12,084		0	11,865	11,865	
63.0%	0	11,167	11,167		0	11,982	11,982		0	12,068	12,068		0	11,842	11,842	
64.2%	0	11,132	11,132		0	11,937	11,937		0	11,999	11,999		0	11,731	11,731	
65.4%	0	11,123	11,123		0	11,924	11,924		0	11,698	11,698		0	11,671	11,671	
66.7%	0	10,968	10,968		0	11,503	11,503		0	11,690	11,690		0	11,642	11,642	
67.9%	0	10,923	10,923		0	11,180	11,180		0	11,556	11,556		0	11,429	11,429	
69.1%	0	10,601	10,601		0	11,162	11,162		0	11,094	11,094		0	11,363	11,363	
70.4%	0	10,288	10,288		0	11,143	11,143		0	11,084	11,084		0	11,280	11,280	
71.6%	0	10,113	10,113		0	11,108	11,108		0	10,904	10,904		0	11,118	11,118	
72.8%	0	10,065	10,065		0	10,833	10,833		0	10,759	10,759		0	10,623	10,623	
74.1%	0	10,043	10,043		0	10,601	10,601		0	10,686	10,686		0	10,599	10,599	
75.3%	0	9,786	9,786		0	10,156	10,156		0	10,577	10,577		0	10,479	10,479	
76.5%	0	9,405	9,405		0	9,796	9,796		0	10,534	10,534		0	10,345	10,345	
77.8%	0	8,599	8,599		0	9,765	9,765		0	10,215	10,215		0	10,288	10,288	
79.0%	0	8,306	8,306		0	9,711	9,711		0	10,145	10,145		0	10,191	10,191	
80.2%	0	8,173	8,173		0	9,524	9,524		0	10,045	10,045		0	9,575	9,575	
81.5%	0	8,161	8,161		0	9,493	9,493		0	9,699	9,699		0	9,439	9,439	
82.7%	0	8,153	8,153		0	9,240	9,240		0	9,461	9,461		0	9,111	9,111	
84.0%	0	8,089	8,089		0	8,749	8,749		0	9,285	9,285		0	8,742	8,742	
85.2%	0	7,981	7,981		0	8,637	8,637		0	8,754	8,754		0	8,725	8,725	
86.4%	0	7,889	7,889		0	8,502	8,502		0	7,944	7,944		0	7,880	7,880	
87.7%	0	7,128	7,128		0	7,981	7,981		0	7,906	7,906		0	7,483	7,483	
88.9%	0	7,097	7,097		0	7,980	7,980		0	7,779	7,779		0	7,177	7,177	
90.1%	0	6,684	6,684		0	7,889	7,889		0	7,610	7,610		0	7,089	7,089	
91.4%	0	6,102	6,102		0	7,439	7,439		0	7,439	7,439		0	6,948	6,948	
92.6%	0	5,958	5,958		0	6,817	6,817		0	7,231	7,231		0	6,691	6,691	
93.8%	0	5,539	5,539		0	6,569	6,569		0	7,130	7,130		0	6,278	6,278	
95.1%	0	5,526	5,526		0	6,355	6,355		0	6,962	6,962		0	6,198	6,198	
96.3%	0	4,173	4,173		0	5,857	5,857		0	6,817	6,817		0	5,832	5,832	
97.5%	0	4,092	4,092		0	5,762	5,762		0	5,857	5,857		0	5,745	5,745	
98.8%	0	4,092	4,092		0	5,539	5,539		0	4,917	4,917		0	4,366	4,366	
100.0%	0	3,950	3,950		0	4,173	4,173		0	4,173	4,173		0	3,950	3,950	

Table OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,131	14,131		0	14,105	14,105		0	14,137	14,137	
1.2%	0	14,137	14,137		0	14,115	14,115		0	14,039	14,039		0	14,137	14,137	
2.5%	0	14,122	14,122		0	14,003	14,003		0	14,001	14,001		0	13,777	13,777	
3.7%	0	14,115	14,115		0	13,897	13,897		0	13,985	13,985		0	13,753	13,753	
4.9%	0	14,115	14,115		0	13,874	13,874		0	13,984	13,984		0	13,752	13,752	
6.2%	0	14,031	14,031		0	13,860	13,860		0	13,981	13,981		0	13,701	13,701	
7.4%	0	14,013	14,013		0	13,809	13,809		0	13,873	13,873		0	13,576	13,576	
8.6%	0	14,012	14,012		0	13,796	13,796		0	13,680	13,680		0	13,294	13,294	
9.9%	0	14,012	14,012		0	13,750	13,750		0	13,680	13,680		0	13,280	13,280	
11.1%	0	14,000	14,000		0	13,716	13,716		0	13,661	13,661		0	13,260	13,260	
12.3%	0	14,000	14,000		0	13,687	13,687		0	13,539	13,539		0	13,144	13,144	
13.6%	0	13,994	13,994		0	13,617	13,617		0	13,456	13,456		0	13,028	13,028	
14.8%	0	13,994	13,994		0	13,578	13,578		0	13,449	13,449		0	13,019	13,019	
16.0%	0	13,980	13,980		0	13,544	13,544		0	13,425	13,425		0	13,001	13,001	
17.3%	0	13,931	13,931		0	13,430	13,430		0	13,407	13,407		0	12,983	12,983	
18.5%	0	13,903	13,903		0	13,279	13,279		0	13,167	13,167		0	12,712	12,712	
19.8%	0	13,890	13,890		0	13,264	13,264		0	13,121	13,121		0	12,672	12,672	
21.0%	0	13,734	13,734		0	13,120	13,120		0	12,843	12,843		0	12,424	12,424	
22.2%	0	13,670	13,670		0	13,066	13,066		0	12,816	12,816		0	12,417	12,417	
23.5%	0	13,604	13,604		0	13,046	13,046		0	12,794	12,794		0	12,382	12,382	
24.7%	0	13,596	13,596		0	12,965	12,965		0	12,738	12,738		0	12,364	12,364	
25.9%	0	13,413	13,413		0	12,947	12,947		0	12,705	12,705		0	12,353	12,353	
27.2%	0	13,315	13,315		0	12,937	12,937		0	12,673	12,673		0	12,305	12,305	
28.4%	0	13,267	13,267		0	12,843	12,843		0	12,477	12,477		0	12,161	12,161	
29.6%	0	13,263	13,263		0	12,840	12,840		0	12,473	12,473		0	12,160	12,160	
30.9%	0	13,227	13,227		0	12,834	12,834		0	12,439	12,439		0	12,096	12,096	
32.1%	0	13,212	13,212		0	12,816	12,816		0	12,418	12,418		0	12,063	12,063	
33.3%	0	13,194	13,194		0	12,688	12,688		0	12,402	12,402		0	12,042	12,042	
34.6%	0	13,086	13,086		0	12,545	12,545		0	12,346	12,346		0	12,026	12,026	
35.8%	0	12,991	12,991		0	12,496	12,496		0	12,327	12,327		0	11,959	11,959	
37.0%	0	12,904	12,904		0	12,496	12,496		0	12,318	12,318		0	11,947	11,947	
38.3%	0	12,886	12,886		0	12,489	12,489		0	12,309	12,309		0	11,925	11,925	
39.5%	0	12,861	12,861		0	12,464	12,464		0	12,101	12,101		0	11,904	11,904	
40.7%	0	12,836	12,836		0	12,461	12,461		0	12,063	12,063		0	11,873	11,873	
42.0%	0	12,835	12,835		0	12,316	12,316		0	12,001	12,001		0	11,743	11,743	
43.2%	0	12,739	12,739		0	12,245	12,245		0	11,906	11,906		0	11,675	11,675	
44.4%	0	12,657	12,657		0	12,117	12,117		0	11,832	11,832		0	11,663	11,663	
45.7%	0	12,476	12,476		0	11,999	11,999		0	11,820	11,820		0	11,660	11,660	
46.9%	0	12,290	12,290		0	11,967	11,967		0	11,816	11,816		0	11,410	11,410	
48.1%	0	12,172	12,172		0	11,809	11,809		0	11,812	11,812		0	11,350	11,350	
49.4%	0	12,142	12,142		0	11,790	11,790		0	11,623	11,623		0	11,337	11,337	
50.6%	0	12,068	12,068		0	11,769	11,769		0	11,573	11,573		0	11,208	11,208	
51.9%	0	12,063	12,063		0	11,713	11,713		0	11,494	11,494		0	11,150	11,150	
53.1%	0	12,051	12,051		0	11,712	11,712		0	11,345	11,345		0	11,105	11,105	
54.3%	0	12,034	12,034		0	11,661	11,661		0	11,285	11,285		0	11,037	11,037	
55.6%	0	12,012	12,012		0	11,633	11,633		0	11,284	11,284		0	10,941	10,941	
56.8%	0	11,963	11,963		0	11,605	11,605		0	11,194	11,194		0	10,863	10,863	
58.0%	0	11,952	11,952		0	11,432	11,432		0	11,161	11,161		0	10,847	10,847	
59.3%	0	11,917	11,917		0	11,368	11,368		0	11,119	11,119		0	10,831	10,831	
60.5%	0	11,885	11,885		0	11,309	11,309		0	11,058	11,058		0	10,826	10,826	
61.7%	0	11,833	11,833		0	11,269	11,269		0	11,025	11,025		0	10,703	10,703	
63.0%	0	11,703	11,703		0	11,247	11,247		0	10,891	10,891		0	10,608	10,608	
64.2%	0	11,481	11,481		0	11,214	11,214		0	10,785	10,785		0	10,563	10,563	
65.4%	0	11,258	11,258		0	10,976	10,976		0	10,755	10,755		0	10,563	10,563	
66.7%	0	11,197	11,197		0	10,741	10,741		0	10,662	10,662		0	10,485	10,485	
67.9%	0	11,079	11,079		0	10,697	10,697		0	10,434	10,434		0	9,915	9,915	
69.1%	0	11,020	11,020		0	10,655	10,655		0	10,205	10,205		0	9,650	9,650	
70.4%	0	10,935	10,935		0	10,487	10,487		0	9,952	9,952		0	9,401	9,401	
71.6%	0	10,849	10,849		0	10,051	10,051		0	9,515	9,515		0	9,302	9,302	
72.8%	0	10,817	10,817		0	9,947	9,947		0	9,214	9,214		0	8,553	8,553	
74.1%	0	10,297	10,297		0	9,740	9,740		0	8,863	8,863		0	8,311	8,311	
75.3%	0	10,140	10,140		0	9,513	9,513		0	8,852	8,852		0	8,123	8,123	
76.5%	0	10,073	10,073		0	9,485	9,485		0	8,813	8,813		0	8,037	8,037	
77.8%	0	9,971	9,971		0	9,368	9,368		0	8,648	8,648		0	7,951	7,951	
79.0%	0	9,602	9,602		0	8,496	8,496		0	8,151	8,151		0	7,868	7,868	
80.2%	0	8,976	8,976		0	8,462	8,462		0	7,809	7,809		0	7,783	7,783	
81.5%	0	8,874	8,874		0	8,119	8,119		0	7,682	7,682		0	7,171	7,171	
82.7%	0	8,753	8,753		0	7,638	7,638		0	7,177	7,177		0	6,883	6,883	
84.0%	0	8,437	8,437		0	7,240	7,240		0	6,411	6,411		0	5,887	5,887	
85.2%	0	7,655	7,655		0	6,803	6,803		0	5,869	5,869		0	4,724	4,724	
86.4%	0	7,034	7,034		0	6,148	6,148		0	5,089	5,089		0	4,273	4,273	
87.7%	0	6,862	6,862		0	5,935	5,935		0	4,760	4,760		0	4,205	4,205	
88.9%	0	6,703	6,703		0	5,740	5,740		0	4,459	4,459		0	4,136	4,136	
90.1%	0	6,087	6,087		0	4,986	4,986		0	4,103	4,103		0	4,136	4,136	
91.4%	0	5,768	5,768		0	4,494	4,494		0	4,037	4,037		0	4,050	4,050	
92.6%	0	5,438	5,438		0	4,122	4,122		0	4,037	4,037		0	4,050	4,050	
93.8%	0	5,315	5,315		0	4,017	4,017		0	4,037	4,037		0	4,011	4,011	
95.1%	0	5,223	5,223		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
96.3%	0	4,771	4,771		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
97.5%	0	4,330	4,330		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
98.8%	0	4,043	4,043		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	
100.0%	0	3,950	3,950		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	

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Alternative C Compared to No Action Alternative

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Table OP-01-7a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative C	114	112	703	1,276	1,376	1,038	361	436	394	459	600	101
Difference	4	105	703	1,276	1,374	1,025	228	24	-355	-352	-61	-49
Percent Difference[3]	3.4%							5.8%	-47.4%	-43.4%	-9.2%	-32.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative C	95	118	948	1,455	1,234	649	324	634	480	743	936	92
Difference	-51	111	948	1,455	1,234	639	183	29	-602	-468	-24	-136
Percent Difference	-34.8%						130.5%	4.8%	-55.6%	-38.7%	-2.5%	-59.8%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative C	281	186	1,044	1,886	2,015	1,390	758	787	635	576	753	163
Difference	167	183	1,044	1,886	2,015	1,383	589	203	-417	-546	-122	-39
Percent Difference	146.9%							34.8%	-39.7%	-48.7%	-13.9%	-19.2%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative C	92	82	606	1,484	1,493	1,387	470	360	480	327	396	100
Difference	-12	78	606	1,484	1,492	1,364	324	-2	-165	-378	-159	-3
Percent Difference	-11.5%							-0.4%	-25.6%	-53.6%	-28.7%	-3.1%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative C	80	119	383	947	1,414	1,315	286	232	259	268	347	95
Difference	-16	113	383	947	1,409	1,305	159	-20	-235	-207	-40	3
Percent Difference	-16.4%						125.2%	-7.9%	-47.6%	-43.6%	-10.4%	3.3%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative C	65	46	422	530	854	704	29	53	69	170	336	68
Difference	6	34	422	530	847	690	-43	-72	-159	-92	4	2
Percent Difference	9.8%						-59.9%	-57.6%	-69.7%	-35.1%	1.2%	2.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-7b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

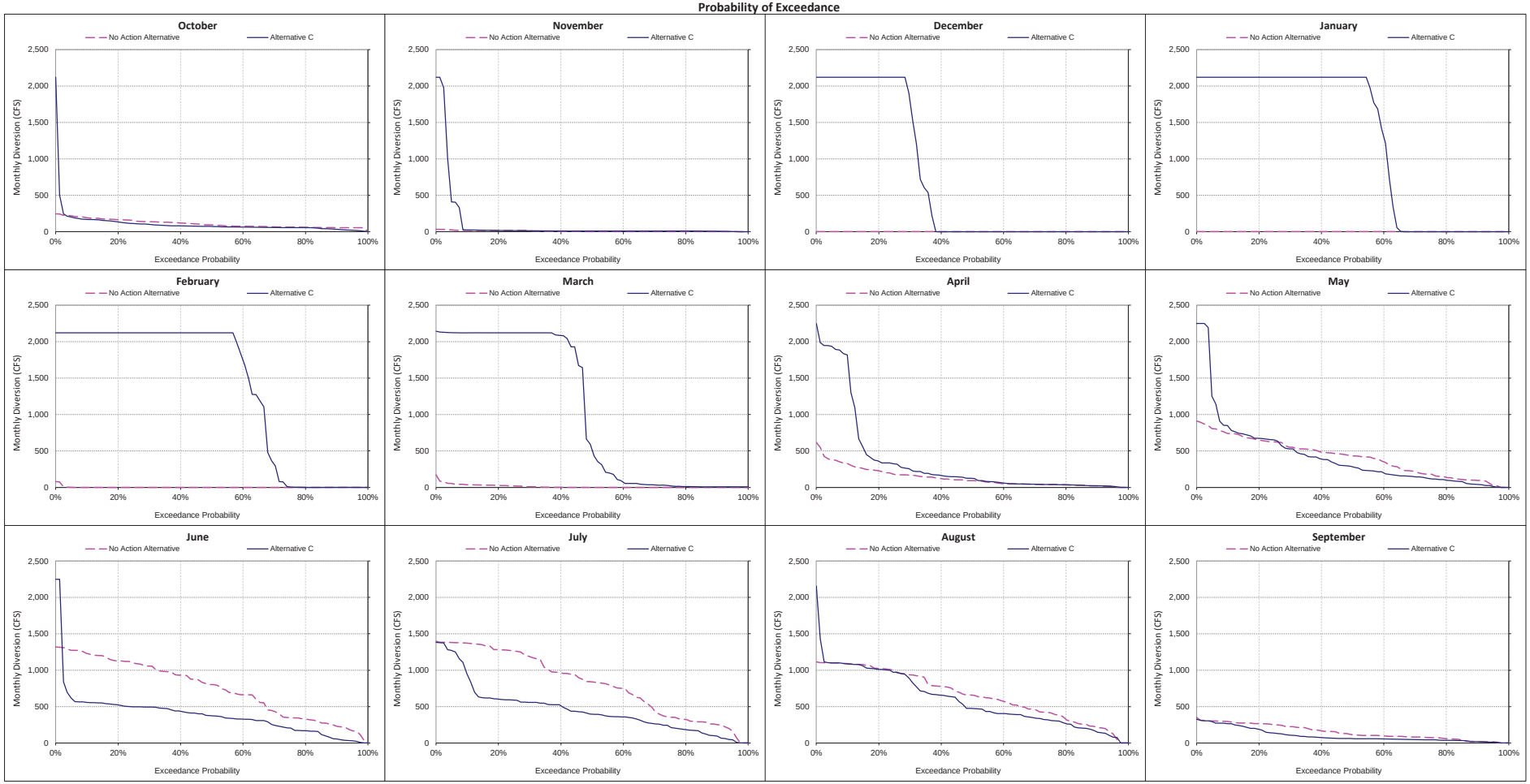

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	2,121	1,877	769.4%	0.0%	33	2,121	2,088		0.0%	0	2,121	2,121		0.0%	0	2,121	2,121	
1.2%	243	501	258	105.9%	1.2%	32	2,121	2,089		1.2%	0	2,121	2,121		1.2%	0	2,121	2,121	
2.5%	225	243	18	8.2%	2.5%	31	1,977	1,946		2.5%	0	2,121	2,121		2.5%	0	2,121	2,121	
3.7%	220	211	-9	-4.2%	3.7%	26	1,017	991		3.7%	0	2,121	2,121		3.7%	0	2,121	2,121	
4.9%	218	203	-15	-6.9%	4.9%	25	410	385		4.9%	0	2,121	2,121		4.9%	0	2,121	2,121	
6.2%	208	187	-20	-9.8%	6.2%	19	403	384		6.2%	0	2,121	2,121		6.2%	0	2,121	2,121	
7.4%	207	182	-25	-12.3%	7.4%	18	329	311		7.4%	0	2,121	2,121		7.4%	0	2,121	2,121	
8.6%	202	169	-33	-16.4%	8.6%	18	26	8	46.2%	8.6%	0	2,121	2,121		8.6%	0	2,121	2,121	
9.9%	192	168	-23	-12.1%	9.9%	18	24	7	38.4%	9.9%	0	2,121	2,121		9.9%	0	2,121	2,121	
11.1%	187	165	-21	-11.3%	11.1%	17	24	7	37.5%	11.1%	0	2,121	2,121		11.1%	0	2,121	2,121	
12.3%	185	164	-21	-11.4%	12.3%	17	23	6	36.2%	12.3%	0	2,121	2,121		12.3%	0	2,121	2,121	
13.6%	184	164	-20	-11.0%	13.6%	17	18	1	7.3%	13.6%	0	2,121	2,121		13.6%	0	2,121	2,121	
14.8%	176	156	-19	-11.0%	14.8%	17	18	1	5.8%	14.8%	0	2,121	2,121		14.8%	0	2,121	2,121	
16.0%	174	150	-24	-13.7%	16.0%	17	18	1	5.1%	16.0%	0	2,121	2,121		16.0%	0	2,121	2,121	
17.3%	172	147	-25	-14.4%	17.3%	17	18	1	3.6%	17.3%	0	2,121	2,121		17.3%	0	2,121	2,121	
18.5%	169	142	-27	-16.1%	18.5%	17	17	0	0.0%	18.5%	0	2,121	2,121		18.5%	0	2,121	2,121	
19.8%	165	137	-28	-17.1%	19.8%	17	17	0	0.0%	19.8%	0	2,121	2,121		19.8%	0	2,121	2,121	
21.0%	163	127	-37	-22.5%	21.0%	17	17	0	0.0%	21.0%	0	2,121	2,121		21.0%	0	2,121	2,121	
22.2%	161	118	-43	-26.8%	22.2%	17	17	0	0.0%	22.2%	0	2,121	2,121		22.2%	0	2,121	2,121	
23.5%	159	116	-43	-27.1%	23.5%	17	17	0	0.0%	23.5%	0	2,121	2,121		23.5%	0	2,121	2,121	
24.7%	154	113	-41	-26.7%	24.7%	17	17	0	0.0%	24.7%	0	2,121	2,121		24.7%	0	2,121	2,121	
25.9%	144	109	-34	-23.9%	25.9%	17	15	-2	-8.9%	25.9%	0	2,121	2,121		25.9%	0	2,121	2,121	
27.2%	140	106	-34	-24.6%	27.2%	17	14	-3	-16.7%	27.2%	0	2,121	2,121		27.2%	0	2,121	2,121	
28.4%	138	104	-34	-24.4%	28.4%	17	12	-5	-26.8%	28.4%	0	2,121	2,121		28.4%	0	2,121	2,121	
29.6%	136	102	-34	-25.3%	29.6%	17	12	-5	-28.2%	29.6%	0	1,904	1,904		29.6%	0	2,121	2,121	
30.9%	136	94	-42	-31.2%	30.9%	9	11	3	33.5%	30.9%	0	1,521	1,521		30.9%	0	2,121	2,121	
32.1%	134	90	-45	-33.2%	32.1%	7	11	4	61.1%	32.1%	0	1,209	1,209		32.1%	0	2,121	2,121	
33.3%	130	89	-41	-31.3%	33.3%	7	11	4	60.1%	33.3%	0	718	718		33.3%	0	2,121	2,121	
34.6%	129	86	-43	-33.5%	34.6%	4	10	7	178.8%	34.6%	0	604	604		34.6%	0	2,121	2,121	
35.8%	129	80	-49	-37.7%	35.8%	4	10	6	178.4%	35.8%	0	536	536		35.8%	0	2,121	2,121	
37.0%	126	79	-46	-36.8%	37.0%	3	10	6	191.8%	37.0%	0	215	215		37.0%	0	2,121	2,121	
38.3%	124	79	-44	-35.8%	38.3%	3	9	6	226.8%	38.3%	0	0	0		38.3%	0	2,121	2,121	
39.5%	122	79	-42	-34.7%	39.5%	3	9	6	252.5%	39.5%	0	0	0		39.5%	0	2,121	2,121	
40.7%	117	79	-38	-32.3%	40.7%	2	9	6	277.2%	40.7%	0	0	0		40.7%	0	2,121	2,121	
42.0%	114	76	-38	-33.0%	42.0%	2	9	7	334.1%	42.0%	0	0	0		42.0%	0	2,121	2,121	
43.2%	111	76	-35	-31.9%	43.2%	2	8	7	336.0%	43.2%	0	0	0		43.2%	0	2,121	2,121	
44.4%	108	75	-33	-30.1%	44.4%	1	8	7	480.8%	44.4%	0	0	0		44.4%	0	2,121	2,121	
45.7%	104	73	-31	-29.7%	45.7%	1	8	7	615.7%	45.7%	0	0	0		45.7%	0	2,121	2,121	
46.9%	97	73	-24	-24.5%	46.9%	0	8	8		46.9%	0	0	0		46.9%	0	2,121	2,121	
48.1%	94	73	-21	-22.6%	48.1%	0	8	8		48.1%	0	0	0		48.1%	0	2,121	2,121	
49.4%	94	72	-22	-23.4%	49.4%	0	8	8		49.4%	0	0	0		49.4%	0	2,121	2,121	
50.6%	91	71	-20	-21.5%	50.6%	0	8	8		50.6%	0	0	0		50.6%	0	2,121	2,121	
51.9%	88	69	-19	-21.6%	51.9%	0	8	8		51.9%	0	0	0		51.9%	0	2,121	2,121	
53.1%	86	67	-19	-22.3%	53.1%	0	8	8		53.1%	0	0	0		53.1%	0	2,121	2,121	
54.3%	79	67	-13	-15.9%	54.3%	0	8	8		54.3%	0	0	0		54.3%	0	2,121	2,121	
55.6%	78	66	-12	-15.4%	55.6%	0	8	8		55.6%	0	0	0		55.6%	0	1,983	1,983	
56.8%	76	63	-13	-17.1%	56.8%	0	8	8		56.8%	0	0	0		56.8%	0	1,772	1,772	
58.0%	75	63	-12	-16.1%	58.0%	0	8	8		58.0%	0	0	0		58.0%	0	1,685	1,685	
59.3%	75	63	-12	-15.7%	59.3%	0	8	8		59.3%	0	0	0		59.3%	0	1,415	1,415	
60.5%	74	62	-12	-16.7%	60.5%	0	8	8		60.5%	0	0	0		60.5%	0	1,215	1,215	
61.7%	74	62	-12	-16.8%	61.7%	0	8	8		61.7%	0	0	0		61.7%	0	728	728	
63.0%	74	61	-12	-16.7%	63.0%	0	8	8		63.0%	0	0	0		63.0%	0	345	345	
64.2%	72	61	-10	-14.6%	64.2%	0	8	8		64.2%	0	0	0		64.2%	0	54	54	
65.4%	71	60	-11	-15.7%	65.4%	0	8	8		65.4%	0	0	0		65.4%	0	2	2	
66.7%	71	59	-12	-17.0%	66.7%	0	8	8		66.7%	0	0	0		66.7%	0	0	0	
67.9%	69	57	-11	-16.5%	67.9%	0	8	8		67.9%	0	0	0		67.9%	0	0	0	
69.1%	67	57	-10	-14.9%	69.1%	0	8	8		69.1%	0	0	0		69.1%	0	0	0	
70.4%	65	57	-9	-13.5%	70.4%	0	8	8		70.4%	0	0	0		70.4%	0	0	0	
71.6%	64	56	-8	-12.2%	71.6%	0	8	8		71.6%	0	0	0		71.6%	0	0	0	
72.8%	63	56	-8	-12.1%	72.8%	0	8	8		72.8%	0	0	0		72.8%	0	0	0	
74.1%	63	55	-8	-12.3%	74.1%	0	8	8		74.1%	0	0	0		74.1%	0	0	0	
75.3%	62	55	-8	-12.1%	75.3%	0	8	8		75.3%	0	0	0		75.3%	0	0	0	
76.5%	62	54	-8	-12.6%	76.5%	0	8	8		76.5%	0	0	0		76.5%	0	0	0	
77.8%	62	54	-8	-12.5%	77.8%	0	8	8		77.8%	0	0	0		77.8%	0	0	0	
79.0%	61	54	-7	-10.9%	79.0%	0	8	8		79.0%	0	0	0		79.0%	0	0	0	
80.2%	59	54	-5	-8.9%	80.2%	0	8	8		80.2%	0	0	0		80.2%	0	0	0	
81.5%	59	54	-5	-8.1%	81.5%	0	8	8		81.5%	0	0	0		81.5%	0	0	0	
82.7%	57	53	-5	-8.3%	82.7%	0	8	8		82.7%	0	0	0		82.7%	0	0	0	
84.0%	57	47	-10	-18.2%	84.0%	0	8	8		84.0%	0	0	0		84.0%	0	0	0	
85.2%	56	43	-14	-24.5%	85.2%	0	8	8		85.2%	0	0	0		85.2%	0	0	0	
86.4%	56	41	-16	-27.7%	86.4%	0	8	8		86.4%	0	0	0		86.4%	0	0	0	
87.7%	56	37	-19	-34.7%	87.7%	0	8	8		87.7%	0	0	0		87.7%	0	0	0	
88.9%	56	34	-22	-39.0%	88.9%	0	8	8		88.9%	0	0	0		88.9%	0	0	0	
90.1%	55	34	-21	-38.9%	90.1%	0	8	8		90.1%	0	0	0		90.1%	0	0	0	
91.4%	54	32	-22	-41.5%	91.4%	0	4	4		91.4%	0	0	0		91.4%	0	0	0	
92.6%	54	22	-32	-59.7%	92.6%	0	4	4		92.6%	0	0	0		92.6%	0	0	0	
93.8%	54	20	-34	-63.4%	93.8%	0	3	3		93.8%	0	0	0		93.8%	0	0	0	
95.1%	54	20	-35	-63.7%	95.1%	0	2	2		95.1%	0	0	0		95.1%	0	0	0	
96.3%	54	15	-39	-72.1%	96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	54	12	-42	-77.0%	97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	54	5	-49	-90.0%	98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	2	2		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	2,121	2,121	
56.8%	0	2,121	2,121	
58.0%	0	1,982	1,982	
59.3%	0	1,832	1,832	
60.5%	0	1,682	1,682	
61.7%	0	1,499	1,499	
63.0%	0	1,275	1,275	
64.2%	0	1,272	1,272	
65.4%	0	1,189	1,189	
66.7%	0	1,105	1,105	
67.9%	0	478	478	
69.1%	0	364	364	
70.4%	0	295	295	
71.6%	0	79	79	
72.8%	0	75	75	
74.1%	0	12	12	
75.3%	0	3	3	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,144	1,972	
1.2%	85	2,133	2,048	
2.5%	76	2,130	2,054	
3.7%	56	2,129	2,073	
4.9%	52	2,123	2,071	
6.2%	44	2,123	2,079	
7.4%	42	2,122	2,080	
8.6%	41	2,122	2,081	
9.9%	35	2,122	2,087	
11.1%	35	2,122	2,087	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,121	2,113	
30.9%	8	2,121	2,113	
32.1%	7	2,121	2,114	
33.3%	4	2,121	2,117	
34.6%	3	2,121	2,118	
35.8%	3	2,121	2,119	
37.0%	2	2,121	2,119	
38.3%	2	2,094	2,092	
39.5%	1	2,086	2,085	
40.7%	1	2,081	2,080	
42.0%	1	2,044	2,043	
43.2%	1	1,931	1,930	
44.4%	1	1,929	1,928	
45.7%	1	1,672	1,671	
46.9%	0	1,643	1,643	
48.1%	0	663	663	
49.4%	0	592	592	
50.6%	0	427	427	
51.9%	0	352	352	
53.1%	0	309	309	
54.3%	0	208	208	
55.6%	0	196	196	
56.8%	0	179	179	
58.0%	0	108	108	
59.3%	0	95	95	
60.5%	0	55	55	
61.7%	0	54	54	
63.0%	0	53	53	
64.2%	0	53	53	
65.4%	0	43	43	
66.7%	0	39	39	
67.9%	0	35	35	
69.1%	0	35	35	
70.4%	0	32	32	
71.6%	0	29	29	
72.8%	0	29	29	
74.1%	0	29	29	
75.3%	0	18	18	
76.5%	0	15	15	
77.8%	0	15	15	
79.0%	0	11	11	
80.2%	0	10	10	
81.5%	0	9	9	
82.7%	0	9	9	
84.0%	0	9	9	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,988	1,437	260.9%
2.5%	428	1,947	1,519	355.1%
3.7%	393	1,947	1,554	395.8%
4.9%	376	1,936	1,560	414.9%
6.2%	374	1,895	1,521	407.2%
7.4%	351	1,886	1,535	437.6%
8.6%	335	1,837	1,503	449.2%
9.9%	328	1,818	1,491	455.0%
11.1%	303	1,302	999	330.0%
12.3%	280	1,094	814	290.2%
13.6%	274	668	394	143.4%
14.8%	260	559	299	115.0%
16.0%	246	451	205	83.3%
17.3%	242	413	171	70.4%
18.5%	236	374	137	58.1%
19.8%	230	364	134	58.2%
21.0%	218	337	119	54.7%
22.2%	201	335	134	66.7%
23.5%	200	334	134	67.1%
24.7%	181	325	144	79.7%
25.9%	174	317	142	81.8%
27.2%	172	274	102	59.5%
28.4%	172	263	92	53.3%
29.6%	169	258	90	53.1%
30.9%	167	226	59	35.6%
32.1%	158	219	60	38.2%
33.3%	150	217	67	44.8%
34.6%	147	194	47	31.9%
35.8%	141	192	51	36.2%
37.0%	141	176	35	25.0%
38.3%	131	172	41	31.4%
39.5%	127	169	43	33.7%
40.7%	115	157	42	36.8%
42.0%	114	149	35	30.5%
43.2%	110	148	38	34.0%
44.4%	103	146	43	41.3%
45.7%	103	142	39	38.4%
46.9%	102	141	39	38.3%
48.1%	93	126	33	35.3%
49.4%	93	123	30	32.6%
50.6%	93	121	29	30.7%
51.9%	85	94	9	11.0%
53.1%	85	93	8	9.9%
54.3%	74	83	10	13.1%
55.6%	71	80	9	12.5%
56.8%	70	74	4	5.3%
58.0%	59	71	12	19.5%
59.3%	54	66	13	23.4%
60.5%	48	55	7	14.3%
61.7%	47	55	7	15.6%
63.0%	47	49	2	3.4%
64.2%	47	47	0	0.7%
65.4%	46	47	0	1.1%
66.7%	46	46	0	0.0%
67.9%	45	45	0	0.0%
69.1%	43	42	-1	-1.8%
70.4%	40	42	2	5.1%
71.6%	40	41	1	3.7%
72.8%	40	40	1	1.5%
74.1%	37	40	2	6.4%
75.3%	37	40	2	6.4%
76.5%	36	38	2	4.3%
77.8%	36	37	2	4.2%
79.0%	35	37	2	6.5%
80.2%	33	36	3	10.0%
81.5%	32	35	3	9.9%
82.7%	29	33	4	13.0%
84.0%	29	29	0	-1.7%
85.2%	29	29	0	0.0%
86.4%	24	24	0	0.2%
87.7%	23	23	0	0.0%
88.9%	23	22	-1	-2.3%
90.1%	22	22	0	0.0%
91.4%	21	21	0	0.0%
92.6%	16	20	4	25.2%
93.8%	15	17	2	10.6%
95.1%	14	16	2	16.1%
96.3%	0	6	6	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	2,250	1,356	151.6%
2.5%	868	2,250	1,382	159.1%
3.7%	848	2,194	1,345	158.6%
4.9%	805	1,253	448	55.7%
6.2%	803	1,145	342	42.6%
7.4%	780	911	131	16.8%
8.6%	763	852	89	11.7%
9.9%	741	848	108	14.5%
11.1%	739	780	41	5.5%
12.3%	736	763	27	3.7%
13.6%	722	741	18	2.6%
14.8%	697	736	39	5.6%
16.0%	681	722	42	6.1%
17.3%	675	705	30	4.5%
18.5%	665	675	10	1.5%
19.8%	652	674	23	3.5%
21.0%	642	672	30	4.6%
22.2%	635	665	30	4.7%
23.5%	627	658	30	4.8%
24.7%	626	652	25	4.0%
25.9%	621	635	13	2.1%
27.2%	617	575	-42	-6.8%
28.4%	575	538	-37	-6.4%
29.6%	552	529	-23	-4.2%
30.9%	550	529	-21	-3.9%
32.1%	529	477	-52	-9.8%
33.3%	529	459	-69	-13.1%
34.6%	528	454	-74	-13.9%
35.8%	522	421	-101	-19.3%
37.0%	519	417	-103	-19.7%
38.3%	508	416	-92	-18.1%
39.5%	488	391	-97	-19.9%
40.7%	477	383	-94	-19.6%
42.0%	475	380	-95	-20.0%
43.2%	472	351	-121	-25.7%
44.4%	464	328	-137	-29.5%
45.7%	461	303	-158	-34.4%
46.9%	454	299	-156	-34.3%
48.1%	445	298	-147	-33.1%
49.4%	436	289	-146	-33.6%
50.6%	431	274	-157	-36.4%
51.9%	428	265	-163	-38.1%
53.1%	420	235	-185	-44.0%
54.3%	418	234	-185	-44.1%
55.6%	416	229	-187	-45.0%
56.8%	397	226	-170	-42.9%
58.0%	391	216	-176	-44.9%
59.3%	362	215	-147	-40.5%
60.5%	341	187	-154	-45.2%
61.7%	309	177	-131	-42.5%
63.0%	290	170	-120	-41.3%
64.2%	284	165	-119	-41.8%
65.4%	252	158	-93	-37.1%
66.7%	231	157	-74	-32.0%
67.9%	229	155	-73	-32.1%
69.1%	224	151	-73	-32.5%
70.4%	207	145	-63	-30.3%
71.6%	194	143	-51	-26.4%
72.8%	184	137	-47	-25.7%
74.1%	180	122	-59	-32.6%
75.3%	180	117	-63	-35.0%
76.5%	156	113	-42	-27.2%
77.8%	151	109	-42	-28.1%
79.0%	148	106	-43	-28.8%
80.2%	135	95	-39	-29.3%
81.5%	132	93	-38	-29.2%
82.7%	118	86	-31	-26.7%
84.0%	113	81	-32	-28.1%
85.2%	108	80	-28	-26.0%
86.4%	103	53	-50	-48.4%
87.7%	100	45	-54	-54.4%
88.9%	99	41	-58	-58.3%
90.1%	95	41	-54	-56.9%
91.4%	95	34	-61	-63.7%
92.6%	88	27	-61	-69.4%
93.8%	56	24	-32	-57.9%
95.1%	22	11	-10	-47.0%
96.3%	20	6	-15	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	838	-473	-36.1%
3.7%	1,290	698	-592	-45.9%
4.9%	1,274	618	-656	-51.5%
6.2%	1,272	569	-703	-55.3%
7.4%	1,272	566	-706	-55.5%
8.6%	1,257	565	-692	-55.0%
9.9%	1,230	559	-671	-54.6%
11.1%	1,218	555	-663	-54.4%
12.3%	1,205	554	-652	-54.1%
13.6%	1,202	551	-651	-54.1%
14.8%	1,200	550	-650	-54.2%
16.0%	1,182	540	-643	-54.4%
17.3%	1,148	536	-613	-53.4%
18.5%	1,134	531	-603	-53.2%
19.8%	1,127	527	-599	-53.2%
21.0%	1,127	517	-610	-54.1%
22.2%	1,121	503	-618	-55.1%
23.5%	1,121	500	-621	-55.4%
24.7%	1,100	499	-601	-54.6%
25.9%	1,089	496	-592	-54.4%
27.2%	1,084	496	-588	-54.3%
28.4%	1,060	495	-565	-53.3%
29.6%	1,057	494	-563	-53.2%
30.9%	1,055	494	-561	-53.2%
32.1%	1,006	490	-515	-51.2%
33.3%	989	479	-510	-51.6%
34.6%	983	478	-506	-51.4%
35.8%	979	472	-507	-51.8%
37.0%	975	455	-519	-53.3%
38.3%	938	441	-497	-53.0%
39.5%	932	441	-491	-52.7%
40.7%	931	429	-502	-53.9%
42.0%	926	420	-506	-54.6%
43.2%	877	411	-466	-53.1%
44.4%	874	410	-463	-53.0%
45.7%	869	402	-466	-53.7%
46.9%	833	402	-431	-51.7%
48.1%	815	381	-434	-53.3%
49.4%	803	374	-429	-53.4%
50.6%	801	374	-428	-53.4%
51.9%	791	370	-421	-53.2%
53.1%	747	360	-386	-51.7%
54.3%	731	344	-387	-52.9%
55.6%	693	339	-354	-51.1%
56.8%	692	338	-355	-51.2%
58.0%	673	330	-343	-51.0%
59.3%	663	329	-335	-50.5%
60.5%	663	326	-337	-50.8%
61.7%	662	324	-337	-51.0%
63.0%	661	324	-337	-51.0%
64.2%	599	310	-289	-48.3%
65.4%	556	309	-248	-44.5%
66.7%	553	308	-245	-44.2%
67.9%	453	290	-163	-36.0%
69.1%	446	254	-192	-43.0%
70.4%	430	241	-188	-43.8%
71.6%	399	230	-169	-42.3%
72.8%	355	219	-136	-38.4%
74.1%	350	210	-140	-40.1%
75.3%	346	204	-142	-41.0%
76.5%	345	172	-172	-50.0%
77.8%	343	172	-171	-50.0%
79.0%	331	169	-162	-49.0%
80.2%	326	168	-158	-48.4%
81.5%	319	160	-158	-49.7%
82.7%	312	160	-152	-48.6%
84.0%	299	160	-140	-46.6%
85.2%	274	117	-158	-57.4%
86.4%	273	99	-174	-63.7%
87.7%	261	81	-180	-68.9%
88.9%	247	60	-187	-75.7%
90.1%	228	56	-172	-75.4%
91.4%	221	45	-176	-79.6%
92.6%	219	38	-181	-82.7%
93.8%	188	33	-155	-82.4%
95.1%	167	29	-139	-82.9%
96.3%	161	21	-140	-86.7%
97.5%	114	7	-107	-93.7%
98.8%	34	0	-34	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	1,380	-17	-1.2%
1.2%	1,384	1,379	-5	-0.4%
2.5%	1,383	1,375	-7	-0.5%
3.7%	1,382	1,283	-99	-7.2%
4.9%	1,380	1,273	-107	-7.8%
6.2%	1,379	1,249	-129	-9.4%
7.4%	1,378	1,158	-220	-16.0%
8.6%	1,375	1,106	-270	-19.6%
9.9%	1,373	952	-421	-30.6%
11.1%	1,367	838	-529	-38.7%
12.3%	1,361	698	-663	-48.7%
13.6%	1,356	633	-723	-53.3%
14.8%	1,350	622	-728	-53.9%
16.0%	1,331	619	-712	-53.5%
17.3%	1,330	618	-712	-53.5%
18.5%	1,283	609	-673	-52.5%
19.8%	1,282	605	-677	-52.8%
21.0%	1,278	597	-682	-53.3%
22.2%	1,278	594	-684	-53.5%
23.5%	1,273	592	-680	-53.5%
24.7%	1,265	589	-676	-53.4%
25.9%	1,259	586	-673	-53.4%
27.2%	1,249	562	-687	-55.0%
28.4%	1,210	561	-648	-53.6%
29.6%	1,193	558	-635	-53.2%
30.9%	1,174	557	-616	-52.5%
32.1%	1,158	557	-601	-51.9%
33.3%	1,150	548	-602	-52.4%
34.6%	1,043	548	-495	-47.5%
35.8%	1,012	530	-482	-47.6%
37.0%	976	527	-449	-46.0%
38.3%	973	527	-446	-45.8%
39.5%	968	526	-442	-45.7%
40.7%	956	489	-467	-48.8%
42.0%	955	464	-491	-51.4%
43.2%	945	438	-506	-53.6%
44.4%	940	438	-502	-53.4%
45.7%	897	428	-469	-52.3%
46.9%	875	426	-448	-51.3%
48.1%	844	410	-433	-51.4%
49.4%	843	396	-447	-53.0%
50.6%	836	394	-442	-52.8%
51.9%	831	394	-437	-52.6%
53.1%	822	387	-435	-52.9%
54.3%	815	372	-442	-54.3%
55.6%	796	364	-432	-54.2%
56.8%	776	363	-413	-53.2%
58.0%	756	362	-393	-52.0%
59.3%	752	358	-394	-52.4%
60.5%	749	357	-393	-52.4%
61.7%	688	350	-339	-49.1%
63.0%	666	344	-322	-48.4%
64.2%	627	329	-299	-47.6%
65.4%	618	311	-308	-49.8%
66.7%	569	290	-278	-48.9%
67.9%	534	275	-260	-48.6%
69.1%	492	270	-222	-45.1%
70.4%	422	263	-160	-37.8%
71.6%	395	258	-138	-34.8%
72.8%	372	246	-127	-34.0%
74.1%	360	243	-117	-32.5%
75.3%	353	214	-140	-39.6%
76.5%	353	201	-152	-43.0%
77.8%	333	198	-135	-40.6%
79.0%	324	191	-133	-41.2%
80.2%	323	180	-143	-44.2%
81.5%	299	177	-122	-40.8%
82.7%	299	173	-125	-42.0%
84.0%	291	169	-122	-41.8%
85.2%	290	137	-153	-52.9%
86.4%	285	123	-162	-56.7%
87.7%	261	105	-157	-59.9%
88.9%	260	100	-161	-61.7%
90.1%	252	95	-156	-62.2%
91.4%	249	66	-182	-73.4%
92.6%	222	63	-159	-71.5%
93.8%	201	48	-153	-76.1%
95.1%	158	46	-113	-71.2%
96.3%	69	8	-61	-88.9%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,157	1,043	93.6%
1.2%	1,103	1,430	327	29.6%
2.5%	1,103	1,114	11	1.0%
3.7%	1,102	1,103	1	0.1%
4.9%	1,101	1,102	1	0.1%
6.2%	1,100	1,101	1	0.1%
7.4%	1,100	1,100	0	0.0%
8.6%	1,092	1,091	0	0.0%
9.9%	1,091	1,086	-5	-0.4%
11.1%	1,086	1,083	-4	-0.3%
12.3%	1,083	1,080	-3	-0.3%
13.6%	1,080	1,078	-2	-0.1%
14.8%	1,078	1,062	-16	-1.5%
16.0%	1,064	1,028	-36	-3.3%
17.3%	1,062	1,024	-38	-3.6%
18.5%	1,028	1,021	-7	-0.7%
19.8%	1,024	1,012	-12	-1.2%
21.0%	1,021	1,012	-10	-0.9%
22.2%	1,017	1,004	-13	-1.3%
23.5%	1,012	1,000	-11	-1.1%
24.7%	1,000	971	-29	-2.9%
25.9%	963	971	8	0.8%
27.2%	954	954	0	0.0%
28.4%	953	945	-8	-0.8%
29.6%	937	894	-43	-4.6%
30.9%	935	825	-109	-11.7%
32.1%	923	771	-153	-16.5%
33.3%	918	713	-205	-22.3%
34.6%	904	708	-196	-21.7%
35.8%	805	682	-122	-15.2%
37.0%	788	669	-119	-15.1%
38.3%	782	664	-118	-15.1%
39.5%	779	659	-120	-15.5%
40.7%	776	655	-121	-15.6%
42.0%	768	645	-123	-16.0%
43.2%	754	638	-116	-15.4%
44.4%	713	631	-82	-11.5%
45.7%	698	570	-127	-18.3%
46.9%	672	533	-139	-20.6%
48.1%	660	477	-182	-27.6%
49.4%	659	474	-185	-28.0%
50.6%	654	471	-183	-28.0%
51.9%	635	469	-166	-26.2%
53.1%	635	467	-169	-26.6%
54.3%	622	434	-188	-30.2%
55.6%	619	431	-188	-30.3%
56.8%	603	416	-187	-30.9%
58.0%	599	406	-193	-32.3%
59.3%	581	404	-177	-30.5%
60.5%	567	403	-163	-28.8%
61.7%	548	398	-150	-27.5%
63.0%	523	394	-129	-24.6%
64.2%	522	392	-130	-24.9%
65.4%	494	391	-104	-21.0%
66.7%	494	364	-130	-26.4%
67.9%	467	357	-109	-23.4%
69.1%	467	352	-115	-24.6%
70.4%	455	340	-114	-25.2%
71.6%	426	337	-89	-20.9%
72.8%	424	321	-102	-24.2%
74.1%	423	320	-103	-24.3%
75.3%	412	310	-102	-24.8%
76.5%	390	304	-86	-22.1%
77.8%	386	299	-86	-22.4%
79.0%	362	281	-81	-22.4%
80.2%	316	260	-56	-17.6%
81.5%	298	257	-40	-13.6%
82.7%	287	221	-67	-23.3%
84.0%	266	210	-56	-21.1%
85.2%	258	204	-54	-20.8%
86.4%	257	202	-54	-21.1%
87.7%	232	190	-42	-18.3%
88.9%	230	174	-56	-24.3%
90.1%	209	147	-62	-29.7%
91.4%	208	140	-67	-32.4%
92.6%	198	133	-65	-32.7%
93.8%	156	105	-51	-32.5%
95.1%	126	81	-46	-36.2%
96.3%	51	78	27	53.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	327	-25	-7.0%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	272	-27	-9.2%
8.6%	298	271	-27	-9.1%
9.9%	296	266	-30	-10.1%
11.1%	288	264	-24	-8.5%
12.3%	280	249	-32	-11.2%
13.6%	275	240	-35	-12.9%
14.8%	275	230	-45	-16.5%
16.0%	273	214	-59	-21.5%
17.3%	273	201	-72	-26.4%
18.5%	267	201	-66	-24.6%
19.8%	266	189	-77	-28.9%
21.0%	265	176	-90	-33.8%
22.2%	264	147	-117	-44.3%
23.5%	260	140	-120	-46.3%
24.7%	251	136	-114	-45.7%
25.9%	248	131	-117	-47.3%
27.2%	243	127	-116	-47.7%
28.4%	228	115	-113	-49.6%
29.6%	225	109	-115	-51.4%
30.9%	225	104	-121	-53.7%
32.1%	214	101	-113	-52.7%
33.3%	212	91	-121	-57.2%
34.6%	212	89	-123	-57.9%
35.8%	196	85	-111	-56.7%
37.0%	181	84	-96	-53.4%
38.3%	180	79	-101	-56.4%
39.5%	172	78	-94	-54.9%
40.7%	160	73	-88	-54.6%
42.0%	160	68	-92	-57.3%
43.2%	158	67	-91	-57.4%
44.4%	155	67	-88	-57.0%
45.7%	135	62	-72	-53.7%
46.9%	131	62	-69	-52.7%
48.1%	130	62	-68	-52.3%
49.4%	117	61	-56	-48.0%
50.6%	111	60	-51	-45.9%
51.9%	108	59	-48	-44.8%
53.1%	104	58	-46	-44.2%
54.3%	104	58	-46	-44.4%
55.6%	104	58	-46	-44.5%
56.8%	104	57	-46	-44.6%
58.0%	104	57	-46	-44.8%
59.3%	97	57	-40	-41.4%
60.5%	96	55	-40	-42.3%
61.7%	92	54	-39	-41.9%
63.0%	91	53	-38	-41.6%
64.2%	91	52	-39	-42.6%
65.4%	91	51	-40	-43.6%
66.7%	88	49	-38	-43.6%
67.9%	83	49	-35	-41.6%
69.1%	82	48	-34	-41.2%
70.4%	82	47	-35	-42.4%
71.6%	82	47	-35	-42.5%
72.8%	79	45	-34	-42.7%
74.1%	76	45	-31	-40.9%
75.3%	73	44	-30	-40.3%
76.5%	72	43	-28	-39.6%
77.8%	71	38	-34	-46.9%
79.0%	63	37	-27	-42.4%
80.2%	57	37	-21	-36.4%
81.5%	56	36	-19	-34.7%
82.7%	54	35	-19	-34.9%
84.0%	51	34	-17	-33.5%
85.2%	32	33	1	4.5%
86.4%	23	30	7	29.0%
87.7%	22	21	-1	-4.3%
88.9%	21	19	-3	-12.1%
90.1%	20	18	-2	-8.7%
91.4%	18	18	0	1.3%
92.6%	16	17	1	4.3%
93.8%	16	13	-2	-15.3%
95.1%	15	13	-1	-10.1%
96.3%	12	8	-4	-34.6%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-7a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Diversion (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative C	682	420	570	243	304	571	2,237	2,015	2,045	1,745	1,840	466
Difference	-72	-26	360	159	236	531	47	-70	-858	-1,053	-226	-82
Percent Difference[3]	-9.5%	-5.8%					2.1%	-3.3%	-29.6%	-37.6%	-10.9%	-14.9%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative C	601	365	639	268	302	300	2,128	2,238	2,542	1,935	2,188	445
Difference	-192	-95	410	188	235	269	106	116	-427	-936	49	-131
Percent Difference	-24.2%	-20.7%					5.2%	5.4%	-14.4%	-32.6%	2.3%	-22.8%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative C	875	516	773	322	386	813	2,531	2,266	1,891	1,735	1,850	464
Difference	96	64	566	249	321	787	372	188	-1,092	-1,153	-296	-108
Percent Difference	12.3%	14.1%					17.2%	9.0%	-36.6%	-39.9%	-13.8%	-18.9%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative C	685	418	612	281	315	763	2,719	2,194	2,124	1,476	1,586	488
Difference	-94	-44	416	191	248	717	417	15	-828	-1,410	-572	-75
Percent Difference	-12.1%	-9.6%					18.1%	0.7%	-28.1%	-48.9%	-26.5%	-13.4%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative C	705	451	463	179	315	818	2,330	1,852	1,798	1,740	1,670	490
Difference	-79	24	240	92	246	775	13	-294	-1,160	-1,101	-438	-53
Percent Difference	-10.1%	5.6%	107.5%				0.6%	-13.7%	-39.2%	-38.8%	-20.8%	-9.8%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative C	624	396	329	160	193	319	1,477	1,319	1,400	1,668	1,628	455
Difference	57	-16	159	71	125	255	-787	-491	-1,141	-716	-29	0
Percent Difference	10.1%	-4.0%	93.8%				-34.8%	-27.1%	-44.9%	-30.0%	-1.8%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-7b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

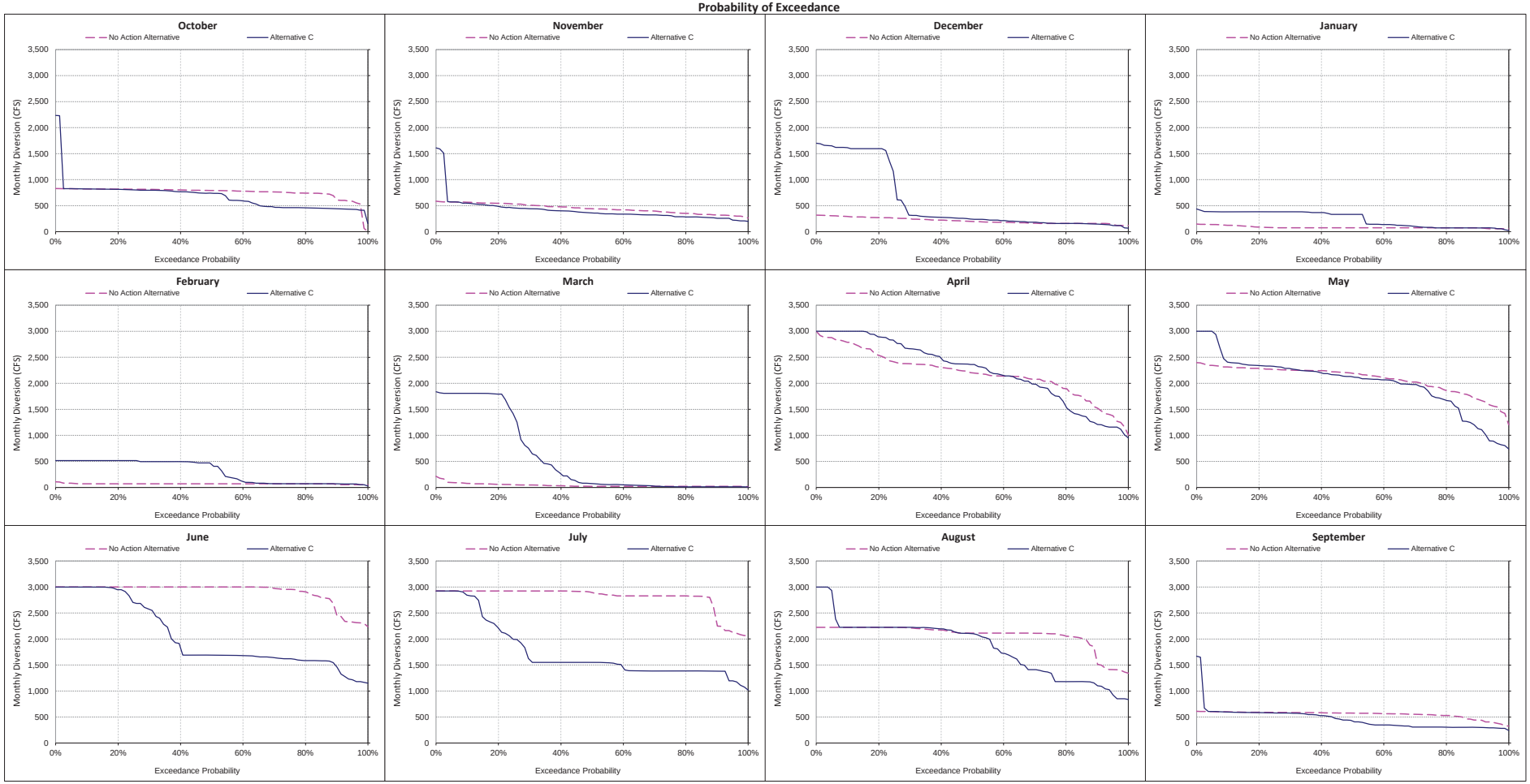

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	828	1	0.2%
3.7%	825	826	1	0.1%
4.9%	825	825	0	0.0%
6.2%	823	825	2	0.2%
7.4%	823	823	0	0.0%
8.6%	823	822	-1	-0.1%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	821	-1	-0.1%
13.6%	821	820	-1	-0.2%
14.8%	821	819	-2	-0.3%
16.0%	821	818	-3	-0.4%
17.3%	820	815	-4	-0.5%
18.5%	819	815	-5	-0.6%
19.8%	819	813	-7	-0.8%
21.0%	819	812	-7	-0.8%
22.2%	818	811	-7	-0.8%
23.5%	816	807	-8	-1.0%
24.7%	816	803	-13	-1.6%
25.9%	815	802	-14	-1.7%
27.2%	815	799	-16	-2.0%
28.4%	814	796	-18	-2.2%
29.6%	813	796	-17	-2.0%
30.9%	812	795	-17	-2.1%
32.1%	811	794	-17	-2.1%
33.3%	809	793	-16	-2.0%
34.6%	809	791	-17	-2.1%
35.8%	807	790	-17	-2.1%
37.0%	806	779	-27	-3.3%
38.3%	805	773	-32	-3.9%
39.5%	803	768	-35	-4.3%
40.7%	802	767	-35	-4.3%
42.0%	799	765	-34	-4.2%
43.2%	796	760	-36	-4.5%
44.4%	796	754	-42	-5.3%
45.7%	795	743	-52	-6.5%
46.9%	794	742	-52	-6.6%
48.1%	793	741	-52	-6.6%
49.4%	792	741	-50	-6.4%
50.6%	791	739	-53	-6.7%
51.9%	791	738	-53	-6.7%
53.1%	790	734	-57	-7.2%
54.3%	787	693	-94	-11.9%
55.6%	787	607	-180	-22.8%
56.8%	787	602	-185	-23.5%
58.0%	781	601	-180	-23.0%
59.3%	779	596	-183	-23.5%
60.5%	778	587	-191	-24.5%
61.7%	777	584	-193	-24.9%
63.0%	773	553	-221	-28.5%
64.2%	772	532	-240	-31.1%
65.4%	768	497	-271	-35.3%
66.7%	767	487	-280	-36.5%
67.9%	767	481	-286	-37.3%
69.1%	765	481	-284	-37.2%
70.4%	764	466	-298	-39.0%
71.6%	761	465	-296	-38.9%
72.8%	760	463	-298	-39.1%
74.1%	754	462	-292	-38.7%
75.3%	749	461	-288	-38.4%
76.5%	743	460	-283	-38.1%
77.8%	743	460	-283	-38.1%
79.0%	742	459	-283	-38.1%
80.2%	741	458	-283	-38.2%
81.5%	741	455	-286	-38.6%
82.7%	739	453	-286	-38.7%
84.0%	738	452	-286	-38.7%
85.2%	734	452	-281	-38.4%
86.4%	727	449	-278	-38.2%
87.7%	722	444	-278	-38.5%
88.9%	693	442	-251	-36.2%
90.1%	607	440	-167	-27.5%
91.4%	602	440	-162	-26.9%
92.6%	601	435	-166	-27.6%
93.8%	587	430	-157	-26.8%
95.1%	584	427	-157	-26.9%
96.3%	553	425	-128	-23.1%
97.5%	532	414	-117	-22.1%
98.8%	63	411	348	552.6%
100.0%	0	156	156	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	546	-23	-4.0%
9.9%	566	545	-21	-3.7%
11.1%	564	541	-23	-4.1%
12.3%	560	537	-23	-4.1%
13.6%	555	524	-31	-5.6%
14.8%	551	524	-26	-4.8%
16.0%	550	514	-36	-6.5%
17.3%	548	501	-48	-8.7%
18.5%	546	500	-47	-8.5%
19.8%	546	489	-57	-10.4%
21.0%	545	473	-73	-13.3%
22.2%	544	466	-78	-14.4%
23.5%	539	465	-73	-13.6%
24.7%	533	456	-76	-14.3%
25.9%	529	450	-79	-14.9%
27.2%	529	450	-80	-15.0%
28.4%	516	446	-70	-13.5%
29.6%	508	444	-64	-12.6%
30.9%	507	442	-64	-12.7%
32.1%	502	437	-66	-13.1%
33.3%	501	435	-66	-13.1%
34.6%	501	428	-73	-14.5%
35.8%	482	412	-70	-14.6%
37.0%	482	405	-77	-15.9%
38.3%	481	402	-79	-16.3%
39.5%	479	401	-78	-16.3%
40.7%	475	400	-75	-15.7%
42.0%	474	400	-75	-15.7%
43.2%	465	390	-75	-16.2%
44.4%	457	387	-70	-15.3%
45.7%	457	378	-79	-17.4%
46.9%	450	370	-80	-17.8%
48.1%	443	368	-76	-17.1%
49.4%	442	361	-81	-18.4%
50.6%	438	357	-81	-18.4%
51.9%	438	356	-82	-18.7%
53.1%	436	348	-88	-20.3%
54.3%	435	344	-91	-20.9%
55.6%	428	342	-86	-20.1%
56.8%	426	342	-84	-19.6%
58.0%	421	339	-82	-19.5%
59.3%	420	338	-83	-19.7%
60.5%	420	336	-84	-19.9%
61.7%	417	336	-81	-19.4%
63.0%	411	331	-80	-19.4%
64.2%	408	331	-77	-18.9%
65.4%	405	326	-79	-19.5%
66.7%	401	324	-77	-19.1%
67.9%	400	323	-78	-19.4%
69.1%	398	322	-76	-19.1%
70.4%	396	320	-76	-19.1%
71.6%	386	317	-69	-18.0%
72.8%	379	313	-65	-17.3%
74.1%	376	313	-63	-16.7%
75.3%	369	306	-64	-17.2%
76.5%	364	289	-75	-20.6%
77.8%	357	288	-69	-19.3%
79.0%	353	285	-68	-19.2%
80.2%	351	283	-67	-19.2%
81.5%	349	282	-67	-19.2%
82.7%	346	280	-66	-19.1%
84.0%	333	280	-53	-15.9%
85.2%	331	279	-52	-15.8%
86.4%	330	277	-54	-16.2%
87.7%	330	268	-63	-19.0%
88.9%	323	266	-57	-17.6%
90.1%	322	259	-62	-19.4%
91.4%	318	258	-61	-19.1%
92.6%	318	258	-60	-18.9%
93.8%	312	256	-56	-18.1%
95.1%	306	222	-85	-27.7%
96.3%	299	217	-82	-27.5%
97.5%	298	210	-88	-29.6%
98.8%	285	206	-79	-27.7%
100.0%	263	199	-63	-24.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,692	1,376	435.5%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,597	1,329	495.1%
22.2%	268	1,558	1,290	481.5%
23.5%	268	1,345	1,077	402.1%
24.7%	263	1,163	900	341.9%
25.9%	259	611	352	135.8%
27.2%	255	606	351	137.7%
28.4%	254	489	235	92.4%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	298	61	25.7%
34.6%	235	292	57	24.4%
35.8%	231	284	53	22.9%
37.0%	225	283	58	25.9%
38.3%	224	282	59	26.1%
39.5%	222	277	55	24.5%
40.7%	222	271	49	22.2%
42.0%	216	268	52	24.1%
43.2%	212	268	56	26.2%
44.4%	212	268	56	26.5%
45.7%	209	259	50	23.7%
46.9%	204	255	51	24.9%
48.1%	201	254	53	26.3%
49.4%	197	240	43	21.8%
50.6%	194	239	45	23.4%
51.9%	193	239	45	23.4%
53.1%	189	237	48	25.2%
54.3%	185	231	47	25.4%
55.6%	184	225	41	22.2%
56.8%	183	222	40	21.8%
58.0%	181	222	41	22.9%
59.3%	180	212	32	17.8%
60.5%	179	212	32	18.1%
61.7%	179	204	26	14.4%
63.0%	175	201	26	15.1%
64.2%	172	197	25	14.8%
65.4%	171	194	22	13.1%
66.7%	171	193	22	12.9%
67.9%	166	185	18	11.0%
69.1%	161	183	21	13.0%
70.4%	161	180	19	12.0%
71.6%	159	172	13	8.3%
72.8%	158	171	14	8.6%
74.1%	158	161	4	2.4%
75.3%	158	161	3	2.0%
76.5%	158	159	1	0.5%
77.8%	158	158	0	0.1%
79.0%	158	158	0	0.0%
80.2%	158	158	0	0.0%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	158	0	0.0%
85.2%	158	158	0	0.0%
86.4%	158	153	-5	-3.0%
87.7%	158	152	-6	-3.7%
88.9%	158	151	-6	-4.1%
90.1%	158	146	-11	-7.2%
91.4%	158	140	-18	-11.4%
92.6%	158	133	-25	-15.6%
93.8%	152	131	-20	-13.4%
95.1%	138	119	-19	-13.7%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	75	-44	-37.0%
100.0%	119	67	-52	-44.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	373	298	398.8%
37.0%	75	365	291	388.4%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	350	276	368.5%
43.2%	75	335	260	347.1%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	332	258	344.2%
53.1%	75	332	258	344.2%
54.3%	75	147	72	95.9%
55.6%	75	144	69	92.7%
56.8%	75	141	66	87.9%
58.0%	75	141	66	87.9%
59.3%	75	139	65	86.2%
60.5%	75	137	63	83.6%
61.7%	75	137	62	92.5%
63.0%	75	133	59	78.2%
64.2%	75	122	47	63.2%
65.4%	75	122	47	63.2%
66.7%	75	120	45	60.0%
67.9%	75	114	39	52.5%
69.1%	75	108	33	44.5%
70.4%	75	100	25	33.1%
71.6%	75	87	12	16.6%
72.8%	75	87	12	16.1%
74.1%	75	82	7	10.0%
75.3%	75	80	6	7.5%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	38	-19	-33.0%
100.0%	56	23	-33	-58.8%

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	496	428	625.5%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	495	427	624.1%
42.0%	68	494	426	622.1%
43.2%	68	491	422	617.0%
44.4%	68	479	411	600.5%
45.7%	68	471	402	587.8%
46.9%	68	471	402	587.8%
48.1%	68	471	402	587.8%
49.4%	68	471	402	587.8%
50.6%	68	407	339	495.1%
51.9%	68	403	334	488.4%
53.1%	68	321	253	369.5%
54.3%	68	208	139	203.5%
55.6%	68	194	126	183.7%
56.8%	68	179	110	161.3%
58.0%	68	164	96	139.7%
59.3%	68	132	64	93.5%
60.5%	68	100	32	46.7%
61.7%	68	97	29	41.7%
63.0%	68	93	24	35.7%
64.2%	68	83	14	20.7%
65.4%	68	80	12	16.9%
66.7%	68	80	11	16.5%
67.9%	68	74	6	8.7%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	68	17	32.4%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	66	14	27.8%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	26	-24	-48.5%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,819	1,643	935.0%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,807	1,738	
16.0%	66	1,807	1,740	
17.3%	66	1,802	1,736	
18.5%	61	1,797	1,736	
19.8%	58	1,793	1,734	
21.0%	58	1,793	1,735	
22.2%	56	1,689	1,633	
23.5%	56	1,539	1,483	
24.7%	50	1,418	1,368	
25.9%	48	1,255	1,208	
27.2%	47	921	874	
28.4%	46	812	766	
29.6%	46	752	706	
30.9%	45	645	600	
32.1%	44	616	572	
33.3%	41	534	494	
34.6%	40	460	419	
35.8%	33	448	416	
37.0%	32	432	399	
38.3%	32	342	310	961.0%
39.5%	30	283	252	828.3%
40.7%	30	222	191	633.3%
42.0%	25	221	196	790.7%
43.2%	25	150	125	506.1%
44.4%	22	136	114	515.0%
45.7%	22	94	72	325.5%
46.9%	22	82	60	272.0%
48.1%	22	78	57	260.2%
49.4%	20	74	54	277.9%
50.6%	20	71	52	266.1%
51.9%	20	67	47	242.5%
53.1%	20	55	36	183.6%
54.3%	20	55	35	180.4%
55.6%	20	54	35	177.2%
56.8%	20	53	34	171.8%
58.0%	20	53	34	171.8%
59.3%	20	51	31	160.0%
60.5%	20	46	27	136.4%
61.7%	20	46	27	136.4%
63.0%	20	44	24	124.6%
64.2%	20	39	20	101.0%
65.4%	20	37	17	89.2%
66.7%	20	35	15	77.4%
67.9%	20	33	13	66.9%
69.1%	20	32	13	65.7%
70.4%	20	22	3	14.5%
71.6%	20	22	3	13.2%
72.8%	20	16	-3	-16.9%
74.1%	20	14	-6	-28.8%
75.3%	20	11	-8	-41.7%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.7%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	2,993	327	12.3%
17.3%	2,660	2,945	285	10.7%
18.5%	2,585	2,943	357	13.8%
19.8%	2,543	2,897	355	13.9%
21.0%	2,518	2,885	367	14.6%
22.2%	2,484	2,883	399	16.1%
23.5%	2,433	2,838	405	16.6%
24.7%	2,414	2,832	417	17.3%
25.9%	2,395	2,768	373	15.6%
27.2%	2,380	2,762	383	16.1%
28.4%	2,379	2,674	295	12.4%
29.6%	2,377	2,666	289	12.2%
30.9%	2,374	2,660	287	12.1%
32.1%	2,366	2,649	283	12.0%
33.3%	2,364	2,643	279	11.8%
34.6%	2,363	2,585	222	9.4%
35.8%	2,353	2,562	209	8.9%
37.0%	2,347	2,556	209	8.9%
38.3%	2,323	2,527	204	8.8%
39.5%	2,310	2,518	209	9.0%
40.7%	2,299	2,433	134	5.8%
42.0%	2,291	2,414	124	5.4%
43.2%	2,283	2,380	96	4.2%
44.4%	2,267	2,379	112	4.9%
45.7%	2,248	2,377	129	5.8%
46.9%	2,239	2,374	135	6.0%
48.1%	2,235	2,366	131	5.9%
49.4%	2,205	2,364	158	7.2%
50.6%	2,197	2,363	166	7.6%
51.9%	2,189	2,323	134	6.1%
53.1%	2,181	2,310	129	5.9%
54.3%	2,173	2,291	117	5.4%
55.6%	2,151	2,216	65	3.0%
56.8%	2,144	2,189	46	2.1%
58.0%	2,142	2,181	39	1.8%
59.3%	2,141	2,161	20	0.9%
60.5%	2,139	2,144	5	0.2%
61.7%	2,136	2,141	5	0.2%
63.0%	2,135	2,130	-5	-0.2%
64.2%	2,130	2,088	-42	-2.0%
65.4%	2,130	2,077	-54	-2.5%
66.7%	2,116	2,042	-74	-3.5%
67.9%	2,090	2,042	-48	-2.3%
69.1%	2,080	1,986	-94	-4.5%
70.4%	2,077	1,983	-94	-4.5%
71.6%	2,077	1,929	-148	-7.1%
72.8%	2,042	1,916	-126	-6.2%
74.1%	2,042	1,903	-139	-6.8%
75.3%	2,034	1,809	-225	-11.0%
76.5%	1,983	1,759	-225	-11.3%
77.8%	1,967	1,747	-219	-11.1%
79.0%	1,903	1,659	-244	-12.8%
80.2%	1,895	1,522	-372	-19.7%
81.5%	1,809	1,463	-346	-19.1%
82.7%	1,777	1,418	-359	-20.2%
84.0%	1,768	1,402	-366	-20.7%
85.2%	1,747	1,375	-372	-21.3%
86.4%	1,662	1,357	-305	-18.3%
87.7%	1,659	1,271	-389	-23.4%
88.9%	1,555	1,249	-305	-19.6%
90.1%	1,522	1,208	-314	-20.6%
91.4%	1,466	1,201	-265	-18.1%
92.6%	1,418	1,172	-246	-17.4%
93.8%	1,402	1,161	-241	-17.2%
95.1%	1,375	1,158	-217	-15.8%
96.3%	1,271	1,158	-113	-8.9%
97.5%	1,249	1,117	-132	-10.6%
98.8%	1,158	1,007	-151	-13.0%
100.0%	1,002	947	-55	-5.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	2,943	604	25.8%
7.4%	2,331	2,696	366	15.7%
8.6%	2,315	2,477	162	7.0%
9.9%	2,315	2,405	90	3.9%
11.1%	2,310	2,397	88	3.8%
12.3%	2,299	2,392	93	4.0%
13.6%	2,299	2,385	86	3.7%
14.8%	2,299	2,368	69	3.0%
16.0%	2,296	2,358	62	2.7%
17.3%	2,289	2,346	57	2.5%
18.5%	2,289	2,346	57	2.5%
19.8%	2,289	2,340	52	2.3%
21.0%	2,284	2,337	53	2.3%
22.2%	2,274	2,331	57	2.5%
23.5%	2,274	2,330	57	2.5%
24.7%	2,266	2,325	59	2.6%
25.9%	2,266	2,315	49	2.2%
27.2%	2,261	2,310	49	2.2%
28.4%	2,258	2,289	31	1.4%
29.6%	2,255	2,289	34	1.5%
30.9%	2,252	2,274	21	0.9%
32.1%	2,250	2,261	10	0.5%
33.3%	2,250	2,247	-3	-0.1%
34.6%	2,248	2,242	-6	-0.3%
35.8%	2,247	2,237	-10	-0.4%
37.0%	2,245	2,230	-15	-0.7%
38.3%	2,245	2,226	-19	-0.8%
39.5%	2,242	2,206	-36	-1.6%
40.7%	2,242	2,187	-54	-2.4%
42.0%	2,237	2,185	-52	-2.3%
43.2%	2,222	2,165	-57	-2.6%
44.4%	2,219	2,162	-57	-2.6%
45.7%	2,213	2,155	-59	-2.7%
46.9%	2,211	2,138	-72	-3.3%
48.1%	2,206	2,133	-73	-3.3%
49.4%	2,198	2,130	-69	-3.1%
50.6%	2,185	2,118	-67	-3.1%
51.9%	2,185	2,113	-72	-3.3%
53.1%	2,165	2,087	-78	-3.6%
54.3%	2,162	2,086	-76	-3.5%
55.6%	2,147	2,083	-63	-3.0%
56.8%	2,141	2,078	-64	-3.0%
58.0%	2,133	2,076	-57	-2.7%
59.3%	2,118	2,068	-50	-2.4%
60.5%	2,100	2,066	-34	-1.6%
61.7%	2,086	2,064	-22	-1.1%
63.0%	2,086	2,054	-33	-1.6%
64.2%	2,076	2,025	-51	-2.5%
65.4%	2,066	1,987	-79	-3.8%
66.7%	2,045	1,986	-59	-2.9%
67.9%	2,032	1,982	-50	-2.5%
69.1%	2,025	1,980	-45	-2.2%
70.4%	2,024	1,976	-48	-2.4%
71.6%	2,007	1,944	-63	-3.1%
72.8%	1,990	1,926	-65	-3.3%
74.1%	1,944	1,856	-88	-4.5%
75.3%	1,937	1,757	-179	-9.3%
76.5%	1,926	1,728	-198	-10.3%
77.8%	1,921	1,716	-205	-10.7%
79.0%	1,882	1,692	-189	-10.1%
80.2%	1,856	1,667	-189	-10.2%
81.5%	1,843	1,658	-185	-10.0%
82.7%	1,840	1,562	-278	-15.1%
84.0%	1,825	1,525	-300	-16.4%
85.2%	1,797	1,273	-524	-29.1%
86.4%	1,790	1,268	-521	-29.1%
87.7%	1,762	1,247	-515	-29.2%
88.9%	1,709	1,202	-506	-29.6%
90.1%	1,692	1,128	-565	-33.4%
91.4%	1,667	1,110	-557	-33.4%
92.6%	1,642	1,016	-625	-38.1%
93.8%	1,586	893	-693	-43.7%
95.1%	1,562	887	-676	-43.2%
96.3%	1,547	844	-703	-45.4%
97.5%	1,456	819	-638	-43.8%
98.8%	1,422	806	-616	-43.3%
100.0%	1,202	739	-464	-38.6%

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%	0.0%	2,923	2,923	0	0.0%	0.0%	2,224	3,000	776	34.9%	0.0%	609	1,669	1,059	173.8%
1.2%	3,000	3,000	0	0.0%	1.2%	2,923	2,923	0	0.0%	1.2%	2,224	3,000	776	34.9%	1.2%	607	1,648	1,041	171.6%
2.5%	3,000	3,000	0	0.0%	2.5%	2,923	2,923	0	0.0%	2.5%	2,224	3,000	776	34.9%	2.5%	607	670	63	10.4%
3.7%	3,000	3,000	0	0.0%	3.7%	2,923	2,923	0	0.0%	3.7%	2,224	3,000	776	34.9%	3.7%	605	607	2	0.3%
4.9%	3,000	3,000	0	0.0%	4.9%	2,923	2,923	0	0.0%	4.9%	2,224	2,932	708	31.8%	4.9%	604	606	2	0.4%
6.2%	3,000	3,000	0	0.0%	6.2%	2,923	2,923	0	0.0%	6.2%	2,224	2,383	159	7.1%	6.2%	601	605	5	0.8%
7.4%	3,000	3,000	0	0.0%	7.4%	2,923	2,918	-5	-0.2%	7.4%	2,224	2,224	0	0.0%	7.4%	600	600	0	0.0%
8.6%	3,000	3,000	0	0.0%	8.6%	2,923	2,902	-21	-0.7%	8.6%	2,224	2,224	0	0.0%	8.6%	599	599	0	0.0%
9.9%	3,000	3,000	0	0.0%	9.9%	2,923	2,842	-81	-2.8%	9.9%	2,224	2,224	0	0.0%	9.9%	599	597	-2	-0.3%
11.1%	3,000	3,000	0	0.0%	11.1%	2,923	2,828	-95	-3.3%	11.1%	2,224	2,224	0	0.0%	11.1%	597	595	-2	-0.4%
12.3%	3,000	3,000	0	0.0%	12.3%	2,923	2,826	-97	-3.3%	12.3%	2,224	2,224	0	0.0%	12.3%	597	590	-7	-1.1%
13.6%	3,000	3,000	0	0.0%	13.6%	2,923	2,745	-178	-6.1%	13.6%	2,224	2,224	0	0.0%	13.6%	595	588	-7	-1.2%
14.8%	3,000	2,998	-2	-0.1%	14.8%	2,923	2,428	-495	-16.9%	14.8%	2,224	2,224	0	0.0%	14.8%	592	587	-6	-1.0%
16.0%	3,000	2,996	-4	-0.1%	16.0%	2,923	2,362	-561	-19.2%	16.0%	2,224	2,224	0	0.0%	16.0%	591	586	-5	-0.8%
17.3%	3,000	2,995	-5	-0.2%	17.3%	2,923	2,327	-596	-20.4%	17.3%	2,224	2,224	0	0.0%	17.3%	591	585	-5	-0.9%
18.5%	3,000	2,978	-22	-0.7%	18.5%	2,923	2,298	-625	-21.4%	18.5%	2,224	2,224	0	0.0%	18.5%	590	585	-6	-1.0%
19.8%	3,000	2,950	-50	-1.7%	19.8%	2,923	2,222	-701	-24.0%	19.8%	2,224	2,224	0	0.0%	19.8%	590	584	-6	-1.1%
21.0%	3,000	2,949	-51	-1.7%	21.0%	2,923	2,128	-795	-27.2%	21.0%	2,224	2,224	0	0.0%	21.0%	590	583	-7	-1.1%
22.2%	3,000	2,915	-85	-2.8%	22.2%	2,923	2,110	-814	-27.8%	22.2%	2,224	2,224	0	0.0%	22.2%	590	583	-7	-1.2%
23.5%	3,000	2,836	-164	-5.5%	23.5%	2,923	2,064	-860	-29.4%	23.5%	2,224	2,224	0	0.0%	23.5%	590	582	-8	-1.4%
24.7%	3,000	2,702	-298	-9.9%	24.7%	2,923	1,995	-928	-31.8%	24.7%	2,224	2,224	0	0.0%	24.7%	589	580	-9	-1.5%
25.9%	3,000	2,685	-315	-10.5%	25.9%	2,923	1,990	-933	-31.9%	25.9%	2,221	2,224	3	0.1%	25.9%	588	578	-10	-1.8%
27.2%	3,000	2,682	-318	-10.6%	27.2%	2,923	1,927	-996	-34.1%	27.2%	2,221	2,224	3	0.1%	27.2%	588	578	-10	-1.7%
28.4%	3,000	2,611	-389	-13.0%	28.4%	2,923	1,835	-1,088	-37.2%	28.4%	2,219	2,224	5	0.2%	28.4%	588	578	-10	-1.7%
29.6%	3,000	2,577	-423	-14.1%	29.6%	2,923	1,627	-1,296	-44.3%	29.6%	2,214	2,224	10	0.5%	29.6%	587	576	-11	-1.9%
30.9%	3,000	2,549	-451	-15.0%	30.9%	2,923	1,549	-1,375	-47.0%	30.9%	2,210	2,224	14	0.6%	30.9%	586	572	-14	-2.4%
32.1%	3,000	2,437	-563	-18.8%	32.1%	2,923	1,549	-1,375	-47.0%	32.1%	2,203	2,221	18	0.8%	32.1%	586	570	-16	-2.7%
33.3%	3,000	2,401	-599	-20.0%	33.3%	2,923	1,549	-1,375	-47.0%	33.3%	2,198	2,221	23	1.1%	33.3%	585	568	-17	-2.9%
34.6%	3,000	2,283	-717	-23.9%	34.6%	2,923	1,549	-1,375	-47.0%	34.6%	2,194	2,219	25	1.1%	34.6%	585	561	-24	-4.1%
35.8%	3,000	2,229	-771	-25.7%	35.8%	2,923	1,549	-1,375	-47.0%	35.8%	2,186	2,219	33	1.5%	35.8%	585	546	-39	-6.7%
37.0%	3,000	2,005	-995	-33.2%	37.0%	2,923	1,549	-1,375	-47.0%	37.0%	2,177	2,211	34	1.5%	37.0%	584	545	-39	-6.6%
38.3%	3,000	1,930	-1,070	-35.7%	38.3%	2,923	1,549	-1,375	-47.0%	38.3%	2,175	2,203	29	1.3%	38.3%	583	543	-41	-7.0%
39.5%	3,000	1,917	-1,083	-36.1%	39.5%	2,923	1,549	-1,375	-47.0%	39.5%	2,173	2,196	23	1.1%	39.5%	583	528	-54	-9.3%
40.7%	3,000	1,692	-1,308	-43.6%	40.7%	2,923	1,549	-1,375	-47.0%	40.7%	2,170	2,193	23	1.1%	40.7%	580	528	-52	-9.0%
42.0%	3,000	1,692	-1,308	-43.6%	42.0%	2,923	1,549	-1,375	-47.0%	42.0%	2,156	2,175	19	0.9%	42.0%	578	516	-62	-10.7%
43.2%	3,000	1,692	-1,308	-43.6%	43.2%	2,918	1,549	-1,369	-46.9%	43.2%	2,134	2,167	33	1.5%	43.2%	578	509	-69	-11.9%
44.4%	3,000	1,692	-1,308	-43.6%	44.4%	2,915	1,549	-1,367	-46.9%	44.4%	2,132	2,134	3	0.1%	44.4%	578	469	-108	-18.8%
45.7%	3,000	1,692	-1,308	-43.6%	45.7%	2,915	1,549	-1,366	-46.9%	45.7%	2,114	2,114	0	0.0%	45.7%	577	460	-117	-20.3%
46.9%	3,000	1,692	-1,308	-43.6%	46.9%	2,913	1,549	-1,364	-46.8%	46.9%	2,114	2,111	-3	-0.1%	46.9%	577	442	-135	-23.4%
48.1%	3,000	1,692	-1,308	-43.6%	48.1%	2,912	1,549	-1,364	-46.8%	48.1%	2,114	2,109	-5	-0.2%	48.1%	576	439	-137	-23.7%
49.4%	3,000	1,689	-1,311	-43.7%	49.4%	2,902	1,549	-1,354	-46.6%	49.4%	2,114	2,103	-10	-0.5%	49.4%	575	437	-139	-24.1%
50.6%	3,000	1,689	-1,311	-43.7%	50.6%	2,885	1,549	-1,336	-46.3%	50.6%	2,114	2,101	-13	-0.6%	50.6%	575	406	-169	-29.4%
51.9%	3,000	1,689	-1,311	-43.7%	51.9%	2,868	1,549	-1,319	-46.0%	51.9%	2,114	2,076	-37	-1.8%	51.9%	572	404	-168	-29.3%
53.1%	3,000	1,689	-1,311	-43.7%	53.1%	2,866	1,549	-1,318	-46.0%	53.1%	2,114	2,037	-77	-3.6%	53.1%	572	396	-176	-30.7%
54.3%	3,000	1,689	-1,311	-43.7%	54.3%	2,851	1,543	-1,307	-45.9%	54.3%	2,114	2,026	-88	-4.2%	54.3%	571	378	-194	-33.9%
55.6%	3,000	1,687	-1,313	-43.8%	55.6%	2,845	1,538	-1,307	-45.9%	55.6%	2,114	1,993	-120	-5.7%	55.6%	571	363	-208	-36.4%
56.8%	3,000	1,684	-1,316	-43.9%	56.8%	2,844	1,533	-1,311	-46.1%	56.8%	2,114	1,824	-290	-13.7%	56.8%	570	348	-221	-38.9%
58.0%	3,000	1,684	-1,316	-43.9%	58.0%	2,828	1,517	-1,310	-46.3%	58.0%	2,114	1,810	-304	-14.4%	58.0%	568	348	-220	-38.7%
59.3%	3,000	1,679	-1,321	-44.0%	59.3%	2,828	1,510	-1,318	-46.6%	59.3%	2,114	1,728	-386	-18.3%	59.3%	564	348	-216	-38.2%
60.5%	3,000	1,679	-1,321	-44.0%	60.5%	2,828	1,407	-1,421	-50.2%	60.5%	2,114	1,720	-394	-18.6%	60.5%	563	348	-215	-38.1%
61.7%	3,000	1,676	-1,324	-44.1%	61.7%	2,828	1,391	-1,437	-50.8%	61.7%	2,114	1,692	-421	-19.9%	61.7%	563	346	-217	-38.6%
63.0%	3,000	1,673	-1,327	-44.2%	63.0%	2,828	1,384	-1,444	-51.1%	63.0%	2,114	1,652	-462	-21.9%	63.0%	561	340	-221	-39.3%
64.2%	2,998	1,665	-1,333	-44.5%	64.2%	2,828	1,384	-1,444	-51.1%	64.2%	2,114	1,617	-497	-23.5%	64.2%	561	336	-225	-40.2%
65.4%	2,998	1,657	-1,341	-44.7%	65.4%	2,828	1,384	-1,444	-51.1%	65.4%	2,114	1,511	-602	-28.5%	65.4%	560	331	-230	-41.0%
66.7%	2,996	1,657	-1,339	-44.7%	66.7%	2,828	1,384	-1,444	-51.1%	66.7%	2,114	1,496	-617	-29.2%	66.7%	559	327	-232	-41.5%
67.9%	2,996	1,654	-1,341	-44.8%	67.9%	2,828	1,384	-1,444	-51.1%	67.9%	2,114	1,413	-701	-33.2%	67.9%	554	325	-229	-41.3%
69.1%	2,985	1,644	-1,341	-44.9%	69.1%	2,828	1,384	-1,444	-51.1%	69.1%	2,111	1,411	-700	-33.2%	69.1%	553	306	-248	-44.7%
70.4%	2,969	1,641	-1,328	-44.7%	70.4%	2,828	1,384	-1,444	-51.1%	70.4%	2,109	1,410	-699	-33.1%	70.4%	551	306	-245	-44.5%
71.6%	2,964	1,625	-1,339	-45.2%	71.6%	2,828	1,384	-1,444	-51.1%	71.6%	2,109	1,397	-711	-33.7%	71.6%	550	306	-244	-44.4%
72.8%	2,953	1,624	-1,329	-45.0%	72.8%	2,828	1,384	-1,444	-51.1%	72.8%	2,109	1,374	-735	-34.8%	72.8%	546	306	-240	-43.9%
74.1%	2,953	1,622	-1,331	-45.1%	74.1%	2,828	1,384	-1,444	-51.1%	74.1%	2,103	1,364	-739	-35.1%	74.1%	545	306	-239	-43.9%
75.3%	2,953	1,620	-1,333	-45.2%	75.3%	2,828	1,384	-1,444	-51.1%	75.3%	2,101	1,342	-759	-36.1%	75.3%	543	306	-237	-43.7%
76.5%	2,950	1,609	-1,341	-45.5%	76.5%	2,828	1,384	-1,444	-51.1%	76.5%	2,101	1,180	-921	-43.9%	76.5%	535	306	-230	-42.9%
77.8%	2,918	1,596	-1,323	-45.3%	77.8%	2,828	1,384	-1,444	-51.1%	77.8%	2,083	1,180	-903	-43.4%	77.8%	535	306	-229	-42.8%
79.0%	2,915	1,586	-1,330	-45.6%	79.0%	2,828	1,384	-1,444	-51.1%	79.0%	2,074	1,180	-894	-43.1%	79.0%	528	306	-223	-42.1%
80.2%	2,905	1,586	-1,319	-45.4%	80.2%	2,828	1,384	-1,444	-51.1%	80.2%	2,053	1,180	-873	-42.5%	80.2%	528	303	-225	-42.6%
81.5%	2,865	1,586	-1,279	-44.6%	81.5%	2,823	1,384	-1,439	-51.0%	81.5%	2,048	1,180	-868	-42.4%	81.5%	528	303	-225	-42.6%
82.7%	2,840	1,585	-1,255	-44.2%	82.7%	2,823	1,383	-1,440	-51.0%	82.7%	2,039	1,180	-859	-42.1%	82.7%	514	303	-211	-41.1%
84.0%	2,827	1,582	-1,245	-44.0%	84.0%	2,823	1,383	-1,440	-51.0%	84.0%	2,030	1,180	-851	-41.9%	84.0%	509	303	-206	-40.4%
85.2%	2,792	1,582	-1,210	-43.3%	85.2%	2,820	1,383	-1,437	-51.0%	85.2%	2,010	1,180	-830	-41.3%	85.2%	498	303	-195	-39.1%
86.4%	2,787	1,580	-1,207	-43.3%	86.4%	2,810	1,383	-1,427	-50.8%	86.4%	1,989	1,180	-810	-40.7%	86.4%	461	303	-158	-34.3%
87.7%	2,776	1,577	-1,199	-43.2%	87.7%	2,799	1,381	-1,418	-50.7%	87.7%	1,883	1,174	-709	-37.6%	87.7%	460	303	-156	-34.0%
88.9%	2,685	1,545	-1,140	-42.5%	88.9%	2,610	1,381	-1,228	-47.1%	88.9%	1,854	1,156	-698	-37.7%	88.9%	442	301	-141	-32.0%
90.1%	2,439	1,453	-986	-40.4%	90.1%	2,247	1,379	-868	-38.6%	90.1%	1,511	1,102	-410	-27.1%	90.1%	441	301	-140	-31.8%
91.4%	2,434	1,325	-1,109	-45.6%	91.4%	2,244	1,379	-865	-38.6%	91.4%	1,496	1,089	-408	-27.2%	91.4%	437	300	-136	-31.2%
92.6%	2,338	1,281	-1,057	-45.2%	92.6%	2,163	1,379	-784	-36.3%	92.6%	1,440	1,043	-397	-27.6%	92.6%	406	291	-115	-28.3%
93.8%	2,330	1,231	-1,099	-47.2%	93.8%	2,162	1,197	-965	-44.7%	93.8%	1,413	1,024	-388	-27.5%	93.8%	404	291	-114	-28.2%
95.1%	2,326	1,214	-1,112	-47.8%	95.1%	2,128	1,195	-934	-43.9%	95.1%	1,411	921	-490	-34.7%	95.1%	396	291	-106	-26.7%
96.3%	2,315	1,180	-1,134	-49.0%	96.3%	2,110	1,174	-936	-44.3%	96.3%	1,410	852	-557	-39.5%	96.3%	378	286	-92	-24.3%
97.5%	2,310	1,180	-1,130	-48.9%	97.5%	2,082	1,110	-973	-46.7%	97.5%	1,397	852	-545	-39.0%	97.5%	363	283	-80	-22.0%
98.8%	2,296	1,167	-1,130	-49.2%	98.8%	2,067	1,076	-991	-47.9%	98.8%	1,364	852	-512	-37.5%	98.8%	336	281	-55	-16.4%
100.0%	2,236	1,152	-1,084	-48.5%	100.0%	2,064	1,014	-1,049	-50.9%	100.0%	1,342	835	-507	-37.8%	100.0%	325	241	-84	-25.9%

Table OP-03-7a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	16	55	335	806	776	406	71	78	690	485	16	2
Difference	16	55	335	806	776	406	71	78	690	485	16	2
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	58	428	977	796	244	0	0	734	171	37	0
Difference	14	58	428	977	796	244	0	0	734	171	37	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	65	167	482	1,211	1,297	687	0	0	954	636	0	0
Difference	65	167	482	1,211	1,297	687	0	0	954	636	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	14	368	1,029	650	349	0	0	527	780	0	0
Difference	0	14	368	1,029	650	349	0	0	527	780	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	33	206	477	789	564	79	148	542	573	0	0
Difference	0	33	206	477	789	564	79	148	542	573	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	17	141	262	342	305	365	311	742	541	32	16
Difference	14	17	141	262	342	305	365	311	742	541	32	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

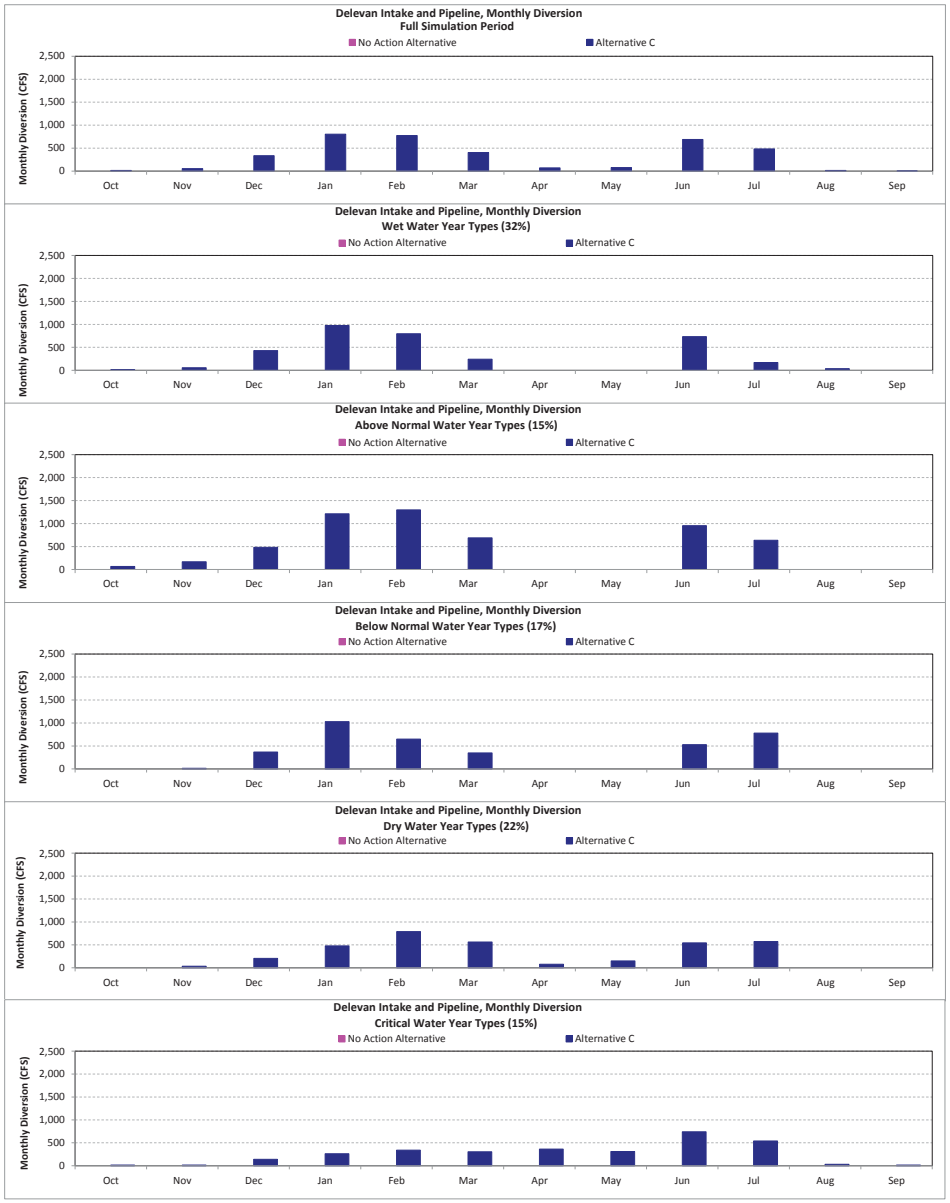

Figure OP-03-7b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

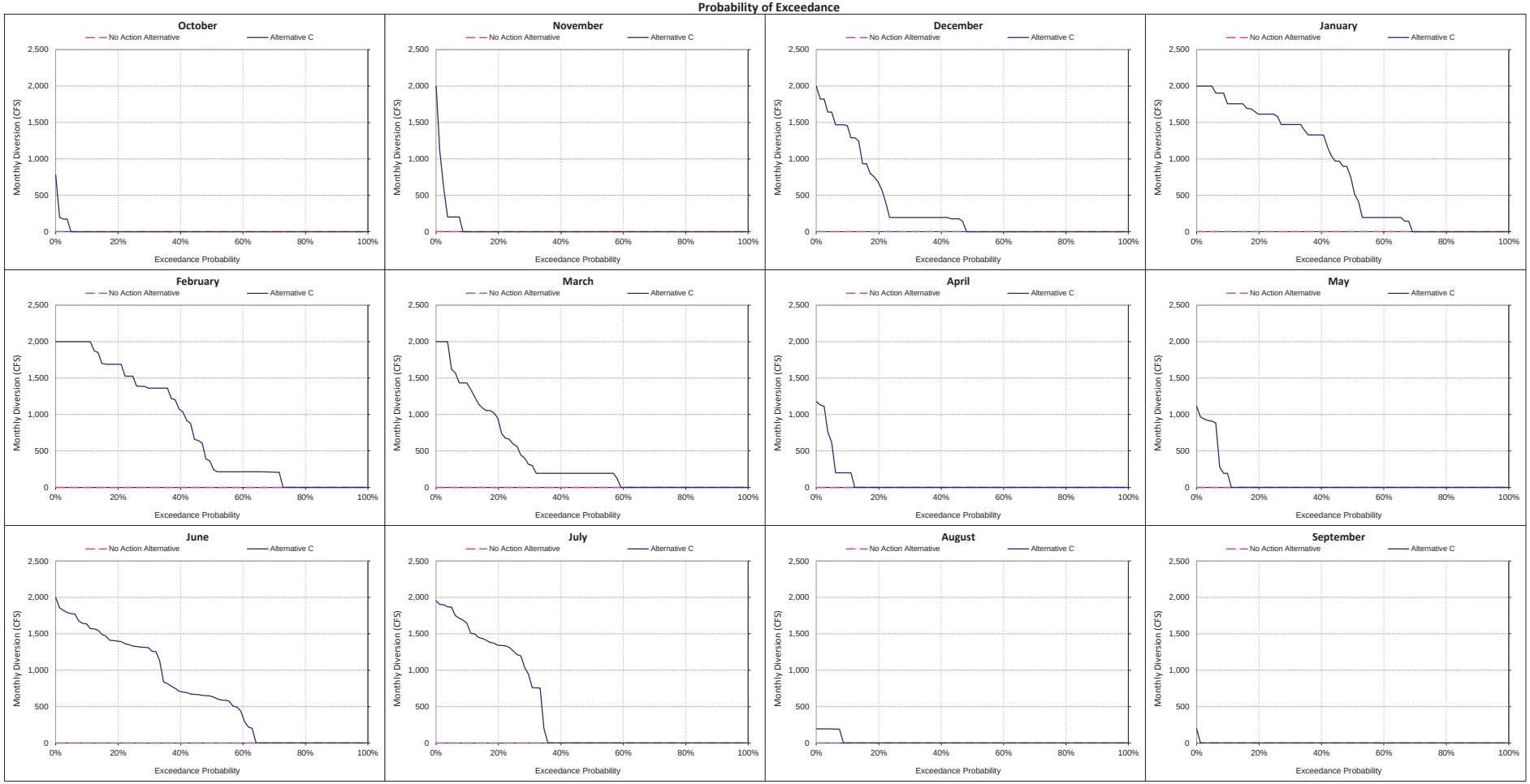

Table OP-03-7b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	781	781		0.0%	0	2,000	2,000		0.0%	0	2,000	2,000		0.0%	0	2,000	2,000	
1.2%	0	194	194		1.2%	0	1,106	1,106		1.2%	0	1,822	1,822		1.2%	0	2,000	2,000	
2.5%	0	174	174		2.5%	0	602	602		2.5%	0	1,822	1,822		2.5%	0	2,000	2,000	
3.7%	0	174	174		3.7%	0	200	200		3.7%	0	1,644	1,644		3.7%	0	2,000	2,000	
4.9%	0	0	0		4.9%	0	200	200		4.9%	0	1,644	1,644		4.9%	0	2,000	2,000	
6.2%	0	0	0		6.2%	0	200	200		6.2%	0	1,467	1,467		6.2%	0	1,902	1,902	
7.4%	0	0	0		7.4%	0	200	200		7.4%	0	1,467	1,467		7.4%	0	1,902	1,902	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	1,467	1,467		8.6%	0	1,902	1,902	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	1,457	1,457		9.9%	0	1,758	1,758	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	1,289	1,289		11.1%	0	1,758	1,758	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	1,289	1,289		12.3%	0	1,758	1,758	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	1,242	1,242		13.6%	0	1,758	1,758	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	933	933		14.8%	0	1,758	1,758	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	933	933		16.0%	0	1,693	1,693	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	800	800		17.3%	0	1,689	1,689	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	756	756		18.5%	0	1,652	1,652	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	687	687		19.8%	0	1,615	1,615	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	578	578		21.0%	0	1,615	1,615	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	400	400		22.2%	0	1,615	1,615	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	194	194		23.5%	0	1,615	1,615	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	194	194		24.7%	0	1,615	1,615	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	194	194		25.9%	0	1,577	1,577	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	194	194		27.2%	0	1,471	1,471	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	194	194		28.4%	0	1,471	1,471	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	194	194		29.6%	0	1,471	1,471	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	194	194		30.9%	0	1,471	1,471	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	194	194		32.1%	0	1,471	1,471	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	194	194		33.3%	0	1,471	1,471	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	194	194		34.6%	0	1,392	1,392	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	194	194		35.8%	0	1,328	1,328	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	194	194		37.0%	0	1,328	1,328	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	194	194		38.3%	0	1,328	1,328	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	194	194		39.5%	0	1,328	1,328	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	194	194		40.7%	0	1,327	1,327	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	194	194		42.0%	0	1,162	1,162	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	178	178		43.2%	0	1,041	1,041	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	178	178		44.4%	0	970	970	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	178	178		45.7%	0	969	969	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	143	143		46.9%	0	898	898	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	898	898	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	754	754	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	517	517	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	417	417	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	194	194	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	194	194	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	194	194	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	194	194	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	194	194	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	194	194	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	194	194	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	194	194	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	194	194	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	194	194	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	194	194	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	143	143	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	143	143	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000		0.0%	0	2,000	2,000		0.0%	0	1,178	1,178		0.0%	0	1,117	1,117	
1.2%	0	2,000	2,000		1.2%	0	2,000	2,000		1.2%	0	1,129	1,129		1.2%	0	965	965	
2.5%	0	2,000	2,000		2.5%	0	2,000	2,000		2.5%	0	1,112	1,112		2.5%	0	937	937	
3.7%	0	2,000	2,000		3.7%	0	2,000	2,000		3.7%	0	759	759		3.7%	0	918	918	
4.9%	0	2,000	2,000		4.9%	0	1,623	1,623		4.9%	0	618	618		4.9%	0	911	911	
6.2%	0	2,000	2,000		6.2%	0	1,569	1,569		6.2%	0	200	200		6.2%	0	883	883	
7.4%	0	2,000	2,000		7.4%	0	1,434	1,434		7.4%	0	200	200		7.4%	0	277	277	
8.6%	0	2,000	2,000		8.6%	0	1,434	1,434		8.6%	0	200	200		8.6%	0	194	194	
9.9%	0	2,000	2,000		9.9%	0	1,434	1,434		9.9%	0	200	200		9.9%	0	194	194	
11.1%	0	2,000	2,000		11.1%	0	1,346	1,346		11.1%	0	200	200		11.1%	0	0	0	
12.3%	0	1,877	1,877		12.3%	0	1,245	1,245		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,852	1,852		13.6%	0	1,147	1,147		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,701	1,701		14.8%	0	1,090	1,090		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,689	1,689		16.0%	0	1,056	1,056		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,689	1,689		17.3%	0	1,056	1,056		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,689	1,689		18.5%	0	1,023	1,023		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,689	1,689		19.8%	0	953	953		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,689	1,689		21.0%	0	737	737		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,527	1,527		22.2%	0	679	679		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,527	1,527		23.5%	0	661	661		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,527	1,527		24.7%	0	596	596		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,389	1,389		25.9%	0	562	562		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,388	1,388		27.2%	0	444	444		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,388	1,388		28.4%	0	401	401		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,364	1,364		29.6%	0	319	319		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,364	1,364		30.9%	0	301	301		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,364	1,364		32.1%	0	194	194		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,364	1,364		33.3%	0	194	194		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,364	1,364		34.6%	0	194	194		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,364	1,364		35.8%	0	194	194		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,218	1,218		37.0%	0	194	194		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	1,202	1,202		38.3%	0	194	194		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	1,075	1,075		39.5%	0	194	194		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	1,039	1,039		40.7%	0	194	194		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	919	919		42.0%	0	194	194		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	877	877		43.2%	0	194	194		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	658	658		44.4%	0	194	194		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	641	641		45.7%	0	194	194		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	606	606		46.9%	0	194	194		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	389	389		48.1%	0	194	194		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	362	362		49.4%	0	194	194		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	239	239		50.6%	0	194	194		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	214	214		51.9%	0	194	194		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	214	214		53.1%	0	194	194		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	214	214		54.3%	0	194	194		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	214	214		55.6%	0	194	194		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	214	214		56.8%	0	194	194		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	214	214		58.0%	0	117	117		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	214	214		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	214	214		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	214	214		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	214	214		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	214	214		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	214	214		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	214	214		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	214	214		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	207	207		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	207	207		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	207	207		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000		0.0%	0	1,952	1,952		0.0%	0	194	194		0.0%	0	197	197	
1.2%	0	1,855	1,855		1.2%	0	1,904	1,904		1.2%	0	194	194		1.2%	0	0	0	
2.5%	0	1,821	1,821		2.5%	0	1,899	1,899		2.5%	0	194	194		2.5%	0	0	0	
3.7%	0	1,793	1,793		3.7%	0	1,872	1,872		3.7%	0	194	194		3.7%	0	0	0	
4.9%	0	1,779	1,779		4.9%	0	1,867	1,867		4.9%	0	194	194		4.9%	0	0	0	
6.2%	0	1,772	1,772		6.2%	0	1,748	1,748		6.2%	0	190	190		6.2%	0	0	0	
7.4%	0	1,673	1,673		7.4%	0	1,713	1,713		7.4%	0	190	190		7.4%	0	0	0	
8.6%	0	1,643	1,643		8.6%	0	1,689	1,689		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	1,634	1,634		9.9%	0	1,644	1,644		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	1,571	1,571		11.1%	0	1,507	1,507		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,566	1,566		12.3%	0	1,498	1,498		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,551	1,551		13.6%	0	1,451	1,451		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,492	1,492		14.8%	0	1,434	1,434		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,467	1,467		16.0%	0	1,415	1,415		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,411	1,411		17.3%	0	1,380	1,380		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,408	1,408		18.5%	0	1,371	1,371		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,399	1,399		19.8%	0	1,342	1,342		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,393	1,393		21.0%	0	1,339	1,339		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,364	1,364		22.2%	0	1,337	1,337		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,350	1,350		23.5%	0	1,313	1,313		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,333	1,333		24.7%	0	1,267	1,267		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,323	1,323		25.9%	0	1,213	1,213		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,317	1,317		27.2%	0	1,196	1,196		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,316	1,316		28.4%	0	1,032	1,032		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,310	1,310		29.6%	0	946	946		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,259	1,259		30.9%	0	756	756		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,254	1,254		32.1%	0	756	756		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,127	1,127		33.3%	0	754	754		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	841	841		34.6%	0	194	194		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	814	814		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	778	778		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	751	751		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	710	710		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	701	701		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	693	693		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	671	671		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	670	670		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	666	666		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	656	656		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	651	651		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	648	648		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	628	628		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	603	603		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	591	591		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	586	586		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	576	576		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	508	508		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	492	492		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	439	439		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	289	289		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	220	220		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	200	200		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-7a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	79	202	1,398	2,233	2,372	1,945	463	178	82	6	80	28
Difference	79	202	1,398	2,233	2,372	1,945	463	178	82	6	80	28
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	83	215	1,812	2,606	2,249	1,142	340	197	12	18	239	74
Difference	83	215	1,812	2,606	2,249	1,142	340	197	12	18	239	74
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	347	447	2,083	3,330	3,614	2,831	924	533	293	0	0	0
Difference	347	447	2,083	3,330	3,614	2,831	924	533	293	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	86	1,371	2,693	2,370	2,411	767	221	205	0	0	0
Difference	0	86	1,371	2,693	2,370	2,411	767	221	205	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	213	820	1,516	2,430	2,619	406	0	0	0	0	11
Difference	0	213	820	1,516	2,430	2,619	406	0	0	0	0	11
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	50	715	863	1,310	1,241	0	0	0	0	32	16
Difference	14	50	715	863	1,310	1,241	0	0	0	0	32	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

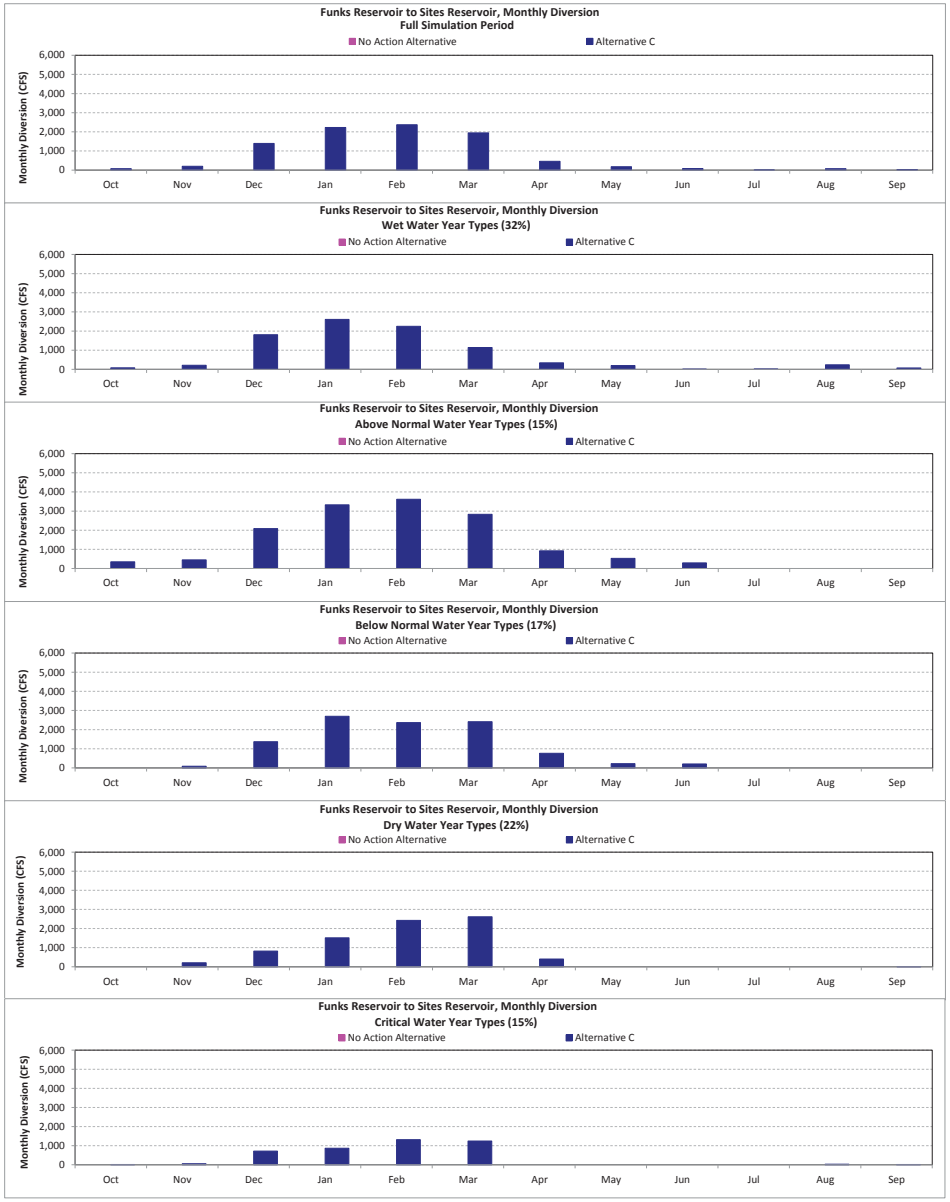

Figure OP-04-7b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

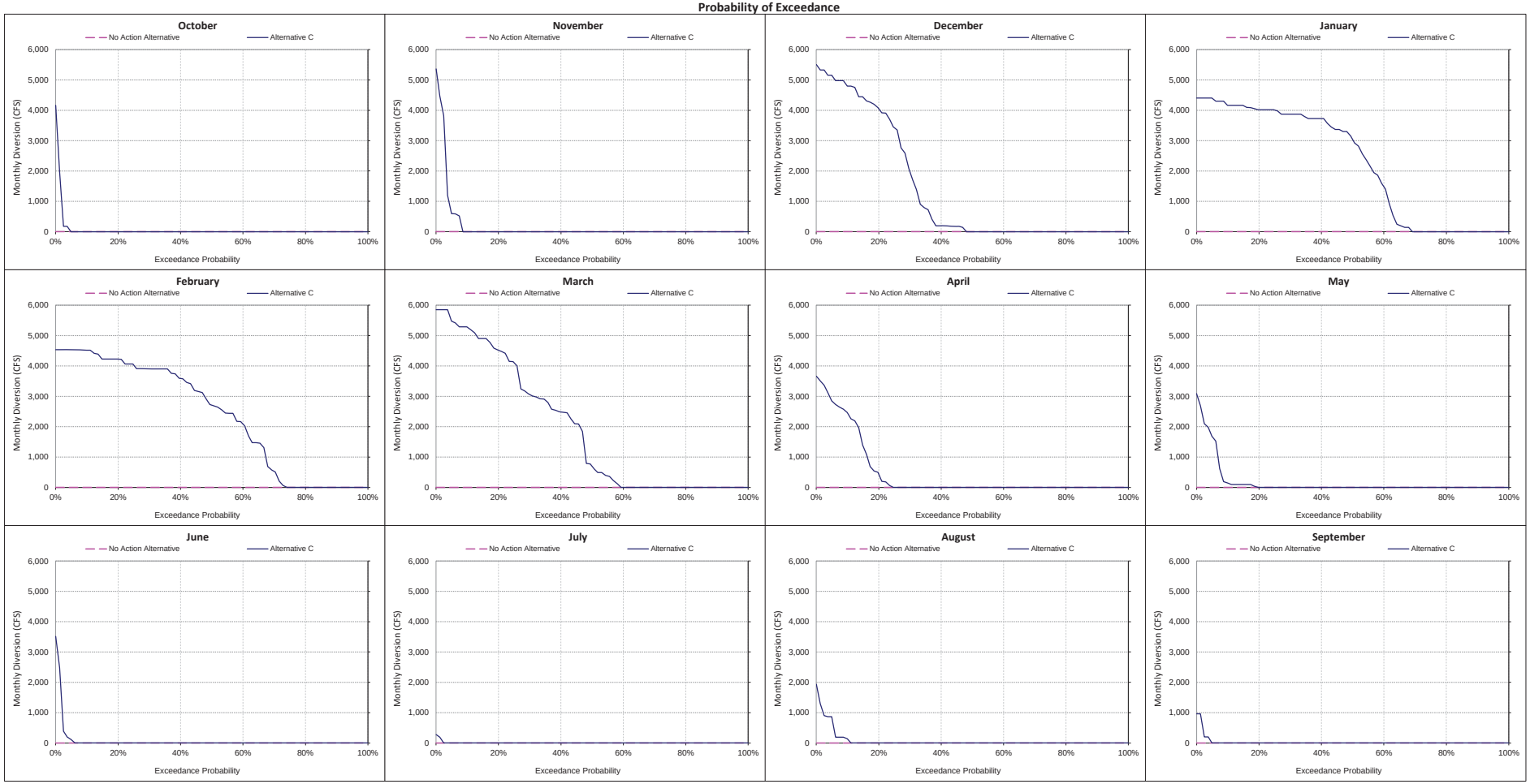

Table OP-04-7b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,168	4,168		0.0%	0	5,366	5,366		0.0%	0	5,511	5,511		0.0%	0	4,403	4,403	
1.2%	0	1,977	1,977		1.2%	0	4,472	4,472		1.2%	0	5,333	5,333		1.2%	0	4,403	4,403	
2.5%	0	174	174		2.5%	0	3,826	3,826		2.5%	0	5,333	5,333		2.5%	0	4,403	4,403	
3.7%	0	174	174		3.7%	0	1,198	1,198		3.7%	0	5,155	5,155		3.7%	0	4,403	4,403	
4.9%	0	0	0		4.9%	0	597	597		4.9%	0	5,155	5,155		4.9%	0	4,403	4,403	
6.2%	0	0	0		6.2%	0	591	591		6.2%	0	4,978	4,978		6.2%	0	4,305	4,305	
7.4%	0	0	0		7.4%	0	518	518		7.4%	0	4,978	4,978		7.4%	0	4,305	4,305	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	4,978	4,978		8.6%	0	4,305	4,305	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	4,800	4,800		9.9%	0	4,161	4,161	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	4,800	4,800		11.1%	0	4,161	4,161	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	4,753	4,753		12.3%	0	4,161	4,161	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	4,444	4,444		13.6%	0	4,161	4,161	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	4,444	4,444		14.8%	0	4,161	4,161	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	4,311	4,311		16.0%	0	4,095	4,095	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	4,267	4,267		17.3%	0	4,092	4,092	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	4,198	4,198		18.5%	0	4,055	4,055	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	4,089	4,089		19.8%	0	4,018	4,018	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	3,921	3,921		21.0%	0	4,018	4,018	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	3,911	3,911		22.2%	0	4,018	4,018	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	3,705	3,705		23.5%	0	4,018	4,018	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	3,458	3,458		24.7%	0	4,018	4,018	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	3,349	3,349		25.9%	0	3,980	3,980	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	2,757	2,757		27.2%	0	3,874	3,874	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	2,588	2,588		28.4%	0	3,874	3,874	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	2,078	2,078		29.6%	0	3,874	3,874	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	1,700	1,700		30.9%	0	3,874	3,874	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	1,390	1,390		32.1%	0	3,874	3,874	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	905	905		33.3%	0	3,874	3,874	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	791	791		34.6%	0	3,795	3,795	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	724	724		35.8%	0	3,731	3,731	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	406	406		37.0%	0	3,731	3,731	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	194	194		38.3%	0	3,731	3,731	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	194	194		39.5%	0	3,731	3,731	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	194	194		40.7%	0	3,729	3,729	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	194	194		42.0%	0	3,565	3,565	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	178	178		43.2%	0	3,444	3,444	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	178	178		44.4%	0	3,373	3,373	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	178	178		45.7%	0	3,372	3,372	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	143	143		46.9%	0	3,300	3,300	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	3,300	3,300	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	3,157	3,157	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	2,920	2,920	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	2,820	2,820	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	2,564	2,564	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	2,368	2,368	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	2,168	2,168	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	1,948	1,948	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	1,862	1,862	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	1,594	1,594	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	1,396	1,396	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	914	914	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	535	535	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	247	247	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	195	195	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	143	143	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	143	143	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-7b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536		0.0%	0	5,852	5,852		0.0%	0	3,660	3,660		0.0%	0	3,087	3,087	
1.2%	0	4,536	4,536		1.2%	0	5,852	5,852		1.2%	0	3,513	3,513		1.2%	0	2,685	2,685	
2.5%	0	4,536	4,536		2.5%	0	5,852	5,852		2.5%	0	3,362	3,362		2.5%	0	2,093	2,093	
3.7%	0	4,536	4,536		3.7%	0	5,852	5,852		3.7%	0	3,122	3,122		3.7%	0	1,975	1,975	
4.9%	0	4,536	4,536		4.9%	0	5,474	5,474		4.9%	0	2,848	2,848		4.9%	0	1,685	1,685	
6.2%	0	4,536	4,536		6.2%	0	5,421	5,421		6.2%	0	2,734	2,734		6.2%	0	1,522	1,522	
7.4%	0	4,536	4,536		7.4%	0	5,286	5,286		7.4%	0	2,649	2,649		7.4%	0	614	614	
8.6%	0	4,521	4,521		8.6%	0	5,286	5,286		8.6%	0	2,573	2,573		8.6%	0	190	190	
9.9%	0	4,521	4,521		9.9%	0	5,286	5,286		9.9%	0	2,468	2,468		9.9%	0	150	150	
11.1%	0	4,521	4,521		11.1%	0	5,198	5,198		11.1%	0	2,258	2,258		11.1%	0	92	92	
12.3%	0	4,413	4,413		12.3%	0	5,097	5,097		12.3%	0	2,188	2,188		12.3%	0	92	92	
13.6%	0	4,388	4,388		13.6%	0	4,908	4,908		13.6%	0	1,966	1,966		13.6%	0	92	92	
14.8%	0	4,225	4,225		14.8%	0	4,908	4,908		14.8%	0	1,399	1,399		14.8%	0	92	92	
16.0%	0	4,225	4,225		16.0%	0	4,908	4,908		16.0%	0	1,085	1,085		16.0%	0	92	92	
17.3%	0	4,225	4,225		17.3%	0	4,774	4,774		17.3%	0	681	681		17.3%	0	92	92	
18.5%	0	4,225	4,225		18.5%	0	4,589	4,589		18.5%	0	539	539		18.5%	0	35	35	
19.8%	0	4,225	4,225		19.8%	0	4,531	4,531		19.8%	0	499	499		19.8%	0	0	0	
21.0%	0	4,222	4,222		21.0%	0	4,473	4,473		21.0%	0	197	197		21.0%	0	0	0	
22.2%	0	4,063	4,063		22.2%	0	4,414	4,414		22.2%	0	184	184		22.2%	0	0	0	
23.5%	0	4,063	4,063		23.5%	0	4,153	4,153		23.5%	0	61	61		23.5%	0	0	0	
24.7%	0	4,063	4,063		24.7%	0	4,144	4,144		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	3,910	3,910		25.9%	0	4,004	4,004		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	3,909	3,909		27.2%	0	3,248	3,248		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	3,909	3,909		28.4%	0	3,179	3,179		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	3,900	3,900		29.6%	0	3,084	3,084		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	3,900	3,900		30.9%	0	3,009	3,009		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	3,900	3,900		32.1%	0	2,975	2,975		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	3,900	3,900		33.3%	0	2,919	2,919		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	3,900	3,900		34.6%	0	2,910	2,910		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	3,900	3,900		35.8%	0	2,798	2,798		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	3,754	3,754		37.0%	0	2,573	2,573		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	3,738	3,738		38.3%	0	2,546	2,546		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	3,596	3,596		39.5%	0	2,491	2,491		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	3,575	3,575		40.7%	0	2,472	2,472		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	3,455	3,455		42.0%	0	2,460	2,460		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	3,413	3,413		43.2%	0	2,251	2,251		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	3,194	3,194		44.4%	0	2,097	2,097		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	3,162	3,162		45.7%	0	2,093	2,093		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	3,127	3,127		46.9%	0	1,840	1,840		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	2,925	2,925		48.1%	0	790	790		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	2,728	2,728		49.4%	0	769	769		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	2,688	2,688		50.6%	0	608	608		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	2,642	2,642		51.9%	0	491	491		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	2,562	2,562		53.1%	0	490	490		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	2,444	2,444		54.3%	0	391	391		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	2,439	2,439		55.6%	0	363	363		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	2,438	2,438		56.8%	0	224	224		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	2,176	2,176		58.0%	0	117	117		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	2,164	2,164		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	2,028	2,028		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	1,691	1,691		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	1,477	1,477		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	1,473	1,473		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	1,458	1,458		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	1,309	1,309		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	687	687		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	574	574		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	506	506		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	207	207		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	63	63		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,515	3,515		0.0%	0	276	276		0.0%	0	1,941	1,941		0.0%	0	959	959	
1.2%	0	2,486	2,486		1.2%	0	190	190		1.2%	0	1,300	1,300		1.2%	0	959	959	
2.5%	0	391	391		2.5%	0	0	0		2.5%	0	905	905		2.5%	0	197	197	
3.7%	0	197	197		3.7%	0	0	0		3.7%	0	871	871		3.7%	0	197	197	
4.9%	0	119	119		4.9%	0	0	0		4.9%	0	869	869		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	190	190		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	190	190		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	190	190		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	138	138		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-7a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Flow (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	153	70	16	0	0	0	170	256	1,192	1,335	383	173
Difference	153	70	16	0	0	0	170	256	1,192	1,335	383	173
Percent Difference[3]												
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	328	150	43	0	0	0	42	77	999	1,321	237	361
Difference	328	150	43	0	0	0	42	77	999	1,321	237	361
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	49	44	14	0	0	0	0	215	1,550	1,646	480	180
Difference	49	44	14	0	0	0	0	215	1,550	1,646	480	180
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	115	27	2	0	1	0	0	259	1,059	1,673	727	96
Difference	115	27	2	0	1	0	0	259	1,059	1,673	727	96
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	102	42	1	0	0	0	175	340	1,299	1,244	492	72
Difference	102	42	1	0	0	0	175	340	1,299	1,244	492	72
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1	14	1	0	0	0	812	555	1,248	797	34	1
Difference	1	14	1	0	0	0	812	555	1,248	797	34	1
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

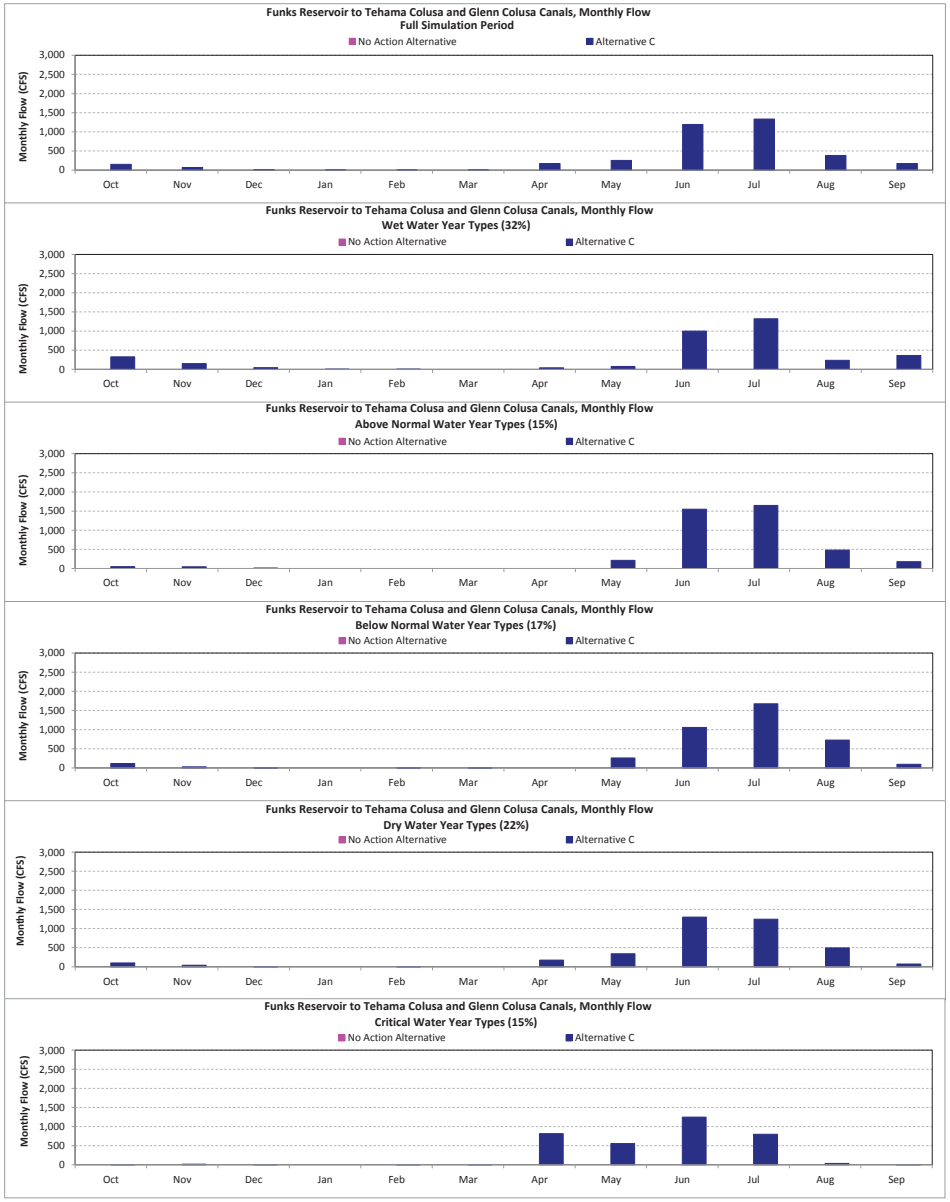

Figure OP-05-7b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

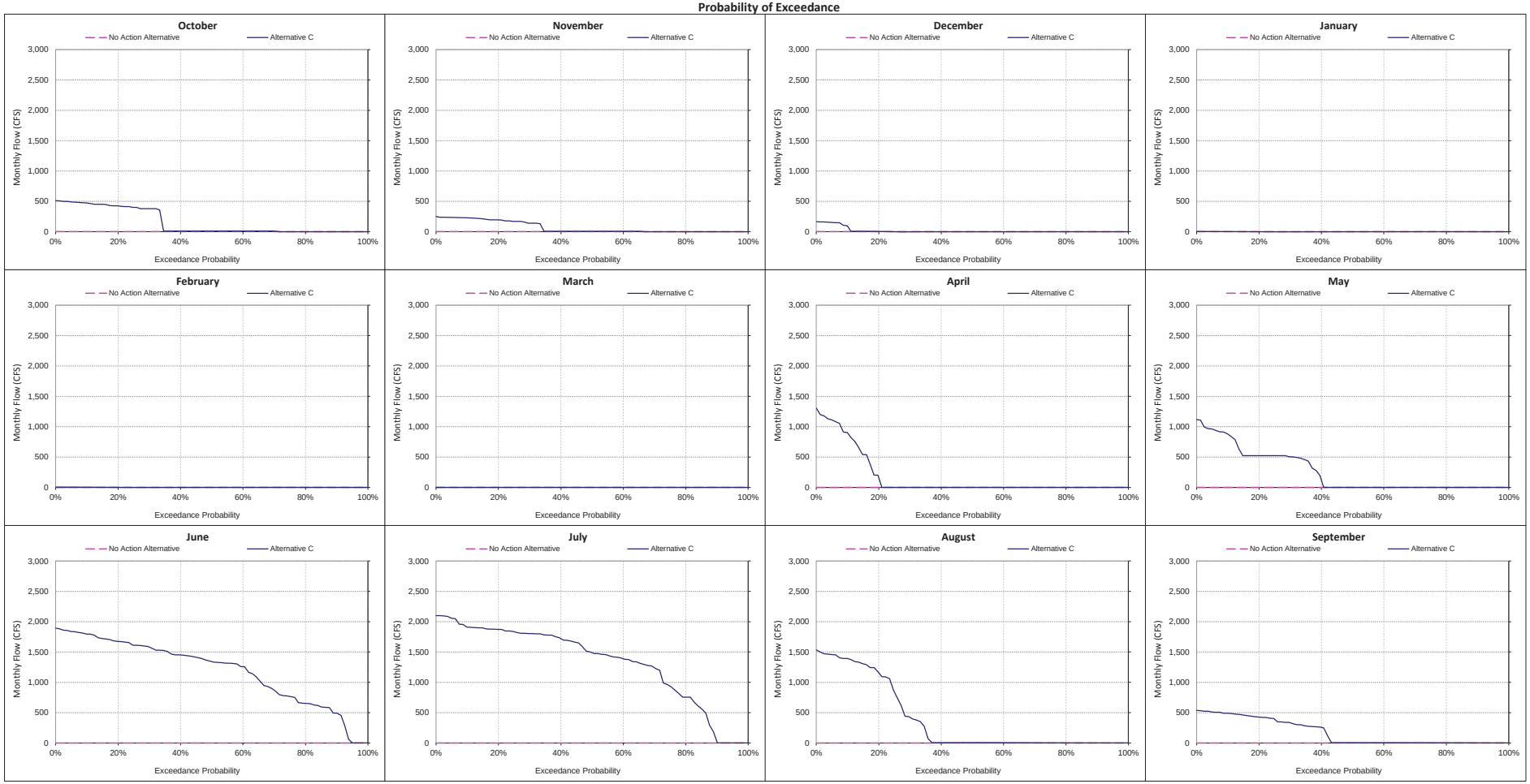

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	511	511		0.0%	0	250	250		0.0%	0	165	165		0.0%	0	4	4	
1.2%	0	506	506		1.2%	0	239	239		1.2%	0	159	159		1.2%	0	4	4	
2.5%	0	498	498		2.5%	0	238	238		2.5%	0	159	159		2.5%	0	0	0	
3.7%	0	497	497		3.7%	0	237	237		3.7%	0	157	157		3.7%	0	0	0	
4.9%	0	491	491		4.9%	0	232	232		4.9%	0	151	151		4.9%	0	0	0	
6.2%	0	487	487		6.2%	0	232	232		6.2%	0	146	146		6.2%	0	0	0	
7.4%	0	481	481		7.4%	0	232	232		7.4%	0	146	146		7.4%	0	0	0	
8.6%	0	478	478		8.6%	0	230	230		8.6%	0	103	103		8.6%	0	0	0	
9.9%	0	475	475		9.9%	0	229	229		9.9%	0	98	98		9.9%	0	0	0	
11.1%	0	465	465		11.1%	0	224	224		11.1%	0	7	7		11.1%	0	0	0	
12.3%	0	454	454		12.3%	0	223	223		12.3%	0	7	7		12.3%	0	0	0	
13.6%	0	453	453		13.6%	0	215	215		13.6%	0	7	7		13.6%	0	0	0	
14.8%	0	453	453		14.8%	0	211	211		14.8%	0	7	7		14.8%	0	0	0	
16.0%	0	449	449		16.0%	0	203	203		16.0%	0	7	7		16.0%	0	0	0	
17.3%	0	432	432		17.3%	0	196	196		17.3%	0	7	7		17.3%	0	0	0	
18.5%	0	426	426		18.5%	0	193	193		18.5%	0	7	7		18.5%	0	0	0	
19.8%	0	424	424		19.8%	0	193	193		19.8%	0	7	7		19.8%	0	0	0	
21.0%	0	418	418		21.0%	0	192	192		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	414	414		22.2%	0	179	179		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	414	414		23.5%	0	177	177		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	401	401		24.7%	0	170	170		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	400	400		25.9%	0	170	170		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	379	379		27.2%	0	170	170		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	377	377		28.4%	0	155	155		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	377	377		29.6%	0	140	140		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	377	377		30.9%	0	140	140		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	377	377		32.1%	0	140	140		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	357	357		33.3%	0	133	133		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	10	10		34.6%	0	7	7		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	10	10		35.8%	0	7	7		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	10	10		37.0%	0	7	7		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	10	10		38.3%	0	7	7		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	10	10		39.5%	0	7	7		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	10	10		40.7%	0	7	7		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	10	10		42.0%	0	7	7		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	10	10		43.2%	0	7	7		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	10	10		44.4%	0	7	7		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	10	10		45.7%	0	7	7		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	10	10		46.9%	0	7	7		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	10	10		48.1%	0	7	7		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	10	10		49.4%	0	7	7		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	10	10		50.6%	0	7	7		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	10	10		51.9%	0	7	7		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	10	10		53.1%	0	7	7		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	10	10		54.3%	0	7	7		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	10	10		55.6%	0	7	7		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	10	10		56.8%	0	7	7		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	10	10		58.0%	0	7	7		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	10	10		59.3%	0	7	7		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	10	10		60.5%	0	7	7		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	10	10		61.7%	0	7	7		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	10	10		63.0%	0	7	7		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	10	10		64.2%	0	7	7		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	10	10		65.4%	0	7	7		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	10	10		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	10	10		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	10	10		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	10	10		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4		0.0%	0	1	1	0.0%	0	1,308	1,308	0.0%	0	1,117	1,117	
1.2%	0	4	4		1.2%	0	1	1	1.2%	0	1,197	1,197	1.2%	0	1,107	1,107	
2.5%	0	4	4		2.5%	0	1	1	2.5%	0	1,178	1,178	2.5%	0	993	993	
3.7%	0	4	4		3.7%	0	0	0	3.7%	0	1,129	1,129	3.7%	0	966	966	
4.9%	0	4	4		4.9%	0	0	0	4.9%	0	1,112	1,112	4.9%	0	965	965	
6.2%	0	3	3		6.2%	0	0	0	6.2%	0	1,082	1,082	6.2%	0	937	937	
7.4%	0	0	0		7.4%	0	0	0	7.4%	0	1,052	1,052	7.4%	0	918	918	
8.6%	0	0	0		8.6%	0	0	0	8.6%	0	911	911	8.6%	0	911	911	
9.9%	0	0	0		9.9%	0	0	0	9.9%	0	903	903	9.9%	0	883	883	
11.1%	0	0	0		11.1%	0	0	0	11.1%	0	820	820	11.1%	0	834	834	
12.3%	0	0	0		12.3%	0	0	0	12.3%	0	759	759	12.3%	0	787	787	
13.6%	0	0	0		13.6%	0	0	0	13.6%	0	654	654	13.6%	0	632	632	
14.8%	0	0	0		14.8%	0	0	0	14.8%	0	540	540	14.8%	0	523	523	
16.0%	0	0	0		16.0%	0	0	0	16.0%	0	540	540	16.0%	0	523	523	
17.3%	0	0	0		17.3%	0	0	0	17.3%	0	380	380	17.3%	0	523	523	
18.5%	0	0	0		18.5%	0	0	0	18.5%	0	200	200	18.5%	0	523	523	
19.8%	0	0	0		19.8%	0	0	0	19.8%	0	200	200	19.8%	0	523	523	
21.0%	0	0	0		21.0%	0	0	0	21.0%	0	0	0	21.0%	0	523	523	
22.2%	0	0	0		22.2%	0	0	0	22.2%	0	0	0	22.2%	0	523	523	
23.5%	0	0	0		23.5%	0	0	0	23.5%	0	0	0	23.5%	0	523	523	
24.7%	0	0	0		24.7%	0	0	0	24.7%	0	0	0	24.7%	0	523	523	
25.9%	0	0	0		25.9%	0	0	0	25.9%	0	0	0	25.9%	0	523	523	
27.2%	0	0	0		27.2%	0	0	0	27.2%	0	0	0	27.2%	0	523	523	
28.4%	0	0	0		28.4%	0	0	0	28.4%	0	0	0	28.4%	0	523	523	
29.6%	0	0	0		29.6%	0	0	0	29.6%	0	0	0	29.6%	0	507	507	
30.9%	0	0	0		30.9%	0	0	0	30.9%	0	0	0	30.9%	0	501	501	
32.1%	0	0	0		32.1%	0	0	0	32.1%	0	0	0	32.1%	0	493	493	
33.3%	0	0	0		33.3%	0	0	0	33.3%	0	0	0	33.3%	0	481	481	
34.6%	0	0	0		34.6%	0	0	0	34.6%	0	0	0	34.6%	0	457	457	
35.8%	0	0	0		35.8%	0	0	0	35.8%	0	0	0	35.8%	0	431	431	
37.0%	0	0	0		37.0%	0	0	0	37.0%	0	0	0	37.0%	0	318	318	
38.3%	0	0	0		38.3%	0	0	0	38.3%	0	0	0	38.3%	0	277	277	
39.5%	0	0	0		39.5%	0	0	0	39.5%	0	0	0	39.5%	0	194	194	
40.7%	0	0	0		40.7%	0	0	0	40.7%	0	0	0	40.7%	0	1	1	
42.0%	0	0	0		42.0%	0	0	0	42.0%	0	0	0	42.0%	0	1	1	
43.2%	0	0	0		43.2%	0	0	0	43.2%	0	0	0	43.2%	0	1	1	
44.4%	0	0	0		44.4%	0	0	0	44.4%	0	0	0	44.4%	0	1	1	
45.7%	0	0	0		45.7%	0	0	0	45.7%	0	0	0	45.7%	0	1	1	
46.9%	0	0	0		46.9%	0	0	0	46.9%	0	0	0	46.9%	0	1	1	
48.1%	0	0	0		48.1%	0	0	0	48.1%	0	0	0	48.1%	0	1	1	
49.4%	0	0	0		49.4%	0	0	0	49.4%	0	0	0	49.4%	0	1	1	
50.6%	0	0	0		50.6%	0	0	0	50.6%	0	0	0	50.6%	0	1	1	
51.9%	0	0	0		51.9%	0	0	0	51.9%	0	0	0	51.9%	0	1	1	
53.1%	0	0	0		53.1%	0	0	0	53.1%	0	0	0	53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0	54.3%	0	0	0	54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0	55.6%	0	0	0	55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0	56.8%	0	0	0	56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0	58.0%	0	0	0	58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0	59.3%	0	0	0	59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0	60.5%	0	0	0	60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0	61.7%	0	0	0	61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0	63.0%	0	0	0	63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0	64.2%	0	0	0	64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0	65.4%	0	0	0	65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0	66.7%	0	0	0	66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0	67.9%	0	0	0	67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0	69.1%	0	0	0	69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0	70.4%	0	0	0	70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0	71.6%	0	0	0	71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0	72.8%	0	0	0	72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0	74.1%	0	0	0	74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0	75.3%	0	0	0	75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0	76.5%	0	0	0	76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0	77.8%	0	0	0	77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0	79.0%	0	0	0	79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0	80.2%	0	0	0	80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0	81.5%	0	0	0	81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0	82.7%	0	0	0	82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0	84.0%	0	0	0	84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0	85.2%	0	0	0	85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0	86.4%	0	0	0	86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0	87.7%	0	0	0	87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0	88.9%	0	0	0	88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0	90.1%	0	0	0	90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0	91.4%	0	0	0	91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0	92.6%	0	0	0	92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0	93.8%	0	0	0	93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0	95.1%	0	0	0	95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0	96.3%	0	0	0	96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0	97.5%	0	0	0	97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0	98.8%	0	0	0	98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0	100.0%	0	0	0	100.0%	0	0	0	

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,895	1,895		0.0%	0	2,099	2,099		0.0%	0	1,534	1,534		0.0%	0	537	537	
1.2%	0	1,881	1,881		1.2%	0	2,099	2,099		1.2%	0	1,501	1,501		1.2%	0	531	531	
2.5%	0	1,861	1,861		2.5%	0	2,095	2,095		2.5%	0	1,468	1,468		2.5%	0	524	524	
3.7%	0	1,855	1,855		3.7%	0	2,086	2,086		3.7%	0	1,464	1,464		3.7%	0	524	524	
4.9%	0	1,839	1,839		4.9%	0	2,057	2,057		4.9%	0	1,456	1,456		4.9%	0	512	512	
6.2%	0	1,833	1,833		6.2%	0	2,049	2,049		6.2%	0	1,454	1,454		6.2%	0	508	508	
7.4%	0	1,819	1,819		7.4%	0	1,956	1,956		7.4%	0	1,405	1,405		7.4%	0	508	508	
8.6%	0	1,812	1,812		8.6%	0	1,956	1,956		8.6%	0	1,394	1,394		8.6%	0	491	491	
9.9%	0	1,795	1,795		9.9%	0	1,912	1,912		9.9%	0	1,392	1,392		9.9%	0	491	491	
11.1%	0	1,793	1,793		11.1%	0	1,908	1,908		11.1%	0	1,375	1,375		11.1%	0	486	486	
12.3%	0	1,779	1,779		12.3%	0	1,902	1,902		12.3%	0	1,342	1,342		12.3%	0	475	475	
13.6%	0	1,737	1,737		13.6%	0	1,899	1,899		13.6%	0	1,333	1,333		13.6%	0	471	471	
14.8%	0	1,721	1,721		14.8%	0	1,897	1,897		14.8%	0	1,307	1,307		14.8%	0	466	466	
16.0%	0	1,713	1,713		16.0%	0	1,882	1,882		16.0%	0	1,290	1,290		16.0%	0	452	452	
17.3%	0	1,705	1,705		17.3%	0	1,877	1,877		17.3%	0	1,244	1,244		17.3%	0	441	441	
18.5%	0	1,683	1,683		18.5%	0	1,875	1,875		18.5%	0	1,241	1,241		18.5%	0	432	432	
19.8%	0	1,674	1,674		19.8%	0	1,873	1,873		19.8%	0	1,175	1,175		19.8%	0	430	430	
21.0%	0	1,671	1,671		21.0%	0	1,870	1,870		21.0%	0	1,094	1,094		21.0%	0	422	422	
22.2%	0	1,663	1,663		22.2%	0	1,847	1,847		22.2%	0	1,091	1,091		22.2%	0	420	420	
23.5%	0	1,655	1,655		23.5%	0	1,847	1,847		23.5%	0	1,057	1,057		23.5%	0	409	409	
24.7%	0	1,611	1,611		24.7%	0	1,838	1,838		24.7%	0	878	878		24.7%	0	403	403	
25.9%	0	1,611	1,611		25.9%	0	1,822	1,822		25.9%	0	745	745		25.9%	0	350	350	
27.2%	0	1,606	1,606		27.2%	0	1,808	1,808		27.2%	0	623	623		27.2%	0	349	349	
28.4%	0	1,597	1,597		28.4%	0	1,806	1,806		28.4%	0	444	444		28.4%	0	340	340	
29.6%	0	1,591	1,591		29.6%	0	1,803	1,803		29.6%	0	432	432		29.6%	0	339	339	
30.9%	0	1,561	1,561		30.9%	0	1,802	1,802		30.9%	0	397	397		30.9%	0	318	318	
32.1%	0	1,532	1,532		32.1%	0	1,798	1,798		32.1%	0	377	377		32.1%	0	301	301	
33.3%	0	1,528	1,528		33.3%	0	1,797	1,797		33.3%	0	353	353		33.3%	0	299	299	
34.6%	0	1,527	1,527		34.6%	0	1,780	1,780		34.6%	0	275	275		34.6%	0	284	284	
35.8%	0	1,507	1,507		35.8%	0	1,779	1,779		35.8%	0	69	69		35.8%	0	274	274	
37.0%	0	1,466	1,466		37.0%	0	1,779	1,779		37.0%	0	5	5		37.0%	0	272	272	
38.3%	0	1,452	1,452		38.3%	0	1,752	1,752		38.3%	0	5	5		38.3%	0	265	265	
39.5%	0	1,451	1,451		39.5%	0	1,735	1,735		39.5%	0	5	5		39.5%	0	263	263	
40.7%	0	1,448	1,448		40.7%	0	1,696	1,696		40.7%	0	5	5		40.7%	0	249	249	
42.0%	0	1,439	1,439		42.0%	0	1,692	1,692		42.0%	0	5	5		42.0%	0	120	120	
43.2%	0	1,433	1,433		43.2%	0	1,682	1,682		43.2%	0	5	5		43.2%	0	7	7	
44.4%	0	1,418	1,418		44.4%	0	1,662	1,662		44.4%	0	5	5		44.4%	0	7	7	
45.7%	0	1,404	1,404		45.7%	0	1,648	1,648		45.7%	0	5	5		45.7%	0	7	7	
46.9%	0	1,390	1,390		46.9%	0	1,585	1,585		46.9%	0	5	5		46.9%	0	7	7	
48.1%	0	1,366	1,366		48.1%	0	1,511	1,511		48.1%	0	5	5		48.1%	0	7	7	
49.4%	0	1,349	1,349		49.4%	0	1,502	1,502		49.4%	0	5	5		49.4%	0	7	7	
50.6%	0	1,333	1,333		50.6%	0	1,475	1,475		50.6%	0	5	5		50.6%	0	7	7	
51.9%	0	1,329	1,329		51.9%	0	1,473	1,473		51.9%	0	5	5		51.9%	0	7	7	
53.1%	0	1,323	1,323		53.1%	0	1,461	1,461		53.1%	0	5	5		53.1%	0	7	7	
54.3%	0	1,317	1,317		54.3%	0	1,455	1,455		54.3%	0	5	5		54.3%	0	7	7	
55.6%	0	1,316	1,316		55.6%	0	1,438	1,438		55.6%	0	5	5		55.6%	0	7	7	
56.8%	0	1,310	1,310		56.8%	0	1,419	1,419		56.8%	0	5	5		56.8%	0	7	7	
58.0%	0	1,305	1,305		58.0%	0	1,415	1,415		58.0%	0	5	5		58.0%	0	7	7	
59.3%	0	1,259	1,259		59.3%	0	1,400	1,400		59.3%	0	5	5		59.3%	0	7	7	
60.5%	0	1,254	1,254		60.5%	0	1,380	1,380		60.5%	0	5	5		60.5%	0	7	7	
61.7%	0	1,167	1,167		61.7%	0	1,375	1,375		61.7%	0	5	5		61.7%	0	7	7	
63.0%	0	1,144	1,144		63.0%	0	1,342	1,342		63.0%	0	5	5		63.0%	0	7	7	
64.2%	0	1,095	1,095		64.2%	0	1,339	1,339		64.2%	0	5	5		64.2%	0	7	7	
65.4%	0	1,022	1,022		65.4%	0	1,313	1,313		65.4%	0	5	5		65.4%	0	7	7	
66.7%	0	948	948		66.7%	0	1,295	1,295		66.7%	0	5	5		66.7%	0	7	7	
67.9%	0	929	929		67.9%	0	1,279	1,279		67.9%	0	5	5		67.9%	0	7	7	
69.1%	0	900	900		69.1%	0	1,267	1,267		69.1%	0	5	5		69.1%	0	7	7	
70.4%	0	860	860		70.4%	0	1,227	1,227		70.4%	0	5	5		70.4%	0	7	7	
71.6%	0	799	799		71.6%	0	1,200	1,200		71.6%	0	5	5		71.6%	0	7	7	
72.8%	0	781	781		72.8%	0	989	989		72.8%	0	5	5		72.8%	0	7	7	
74.1%	0	778	778		74.1%	0	963	963		74.1%	0	5	5		74.1%	0	7	7	
75.3%	0	766	766		75.3%	0	926	926		75.3%	0	0	0		75.3%	0	7	7	
76.5%	0	751	751		76.5%	0	870	870		76.5%	0	0	0		76.5%	0	7	7	
77.8%	0	666	666		77.8%	0	815	815		77.8%	0	0	0		77.8%	0	7	7	
79.0%	0	656	656		79.0%	0	756	756		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	651	651		80.2%	0	756	756		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	648	648		81.5%	0	756	756		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	628	628		82.7%	0	675	675		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	617	617		84.0%	0	609	609		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	591	591		85.2%	0	558	558		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	586	586		86.4%	0	492	492		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	582	582		87.7%	0	292	292		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	492	492		88.9%	0	184	184		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	489	489		90.1%	0	4	4		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	453	453		91.4%	0	4	4		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	289	289		92.6%	0	4	4		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	61	61		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	2	2		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-7a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	913	927	159	9	80	92	303	309	368	795	959	1,091
Difference	913	927	159	9	80	92	303	309	368	795	959	1,091
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	977	1,211	68	4	23	0	0	0	39	753	518	1,218
Difference	977	1,211	68	4	23	0	0	0	39	753	518	1,218
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,004	1,230	73	0	0	0	0	0	135	917	922	1,300
Difference	1,004	1,230	73	0	0	0	0	0	135	917	922	1,300
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	565	635	283	0	122	37	0	0	513	749	1,066	701
Difference	565	635	283	0	122	37	0	0	513	749	1,066	701
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,031	818	219	0	111	83	897	913	747	917	1,396	1,210
Difference	1,031	818	219	0	111	83	897	913	747	917	1,396	1,210
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	912	516	207	54	188	460	728	739	574	633	1,168	884
Difference	912	516	207	54	188	460	728	739	574	633	1,168	884
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

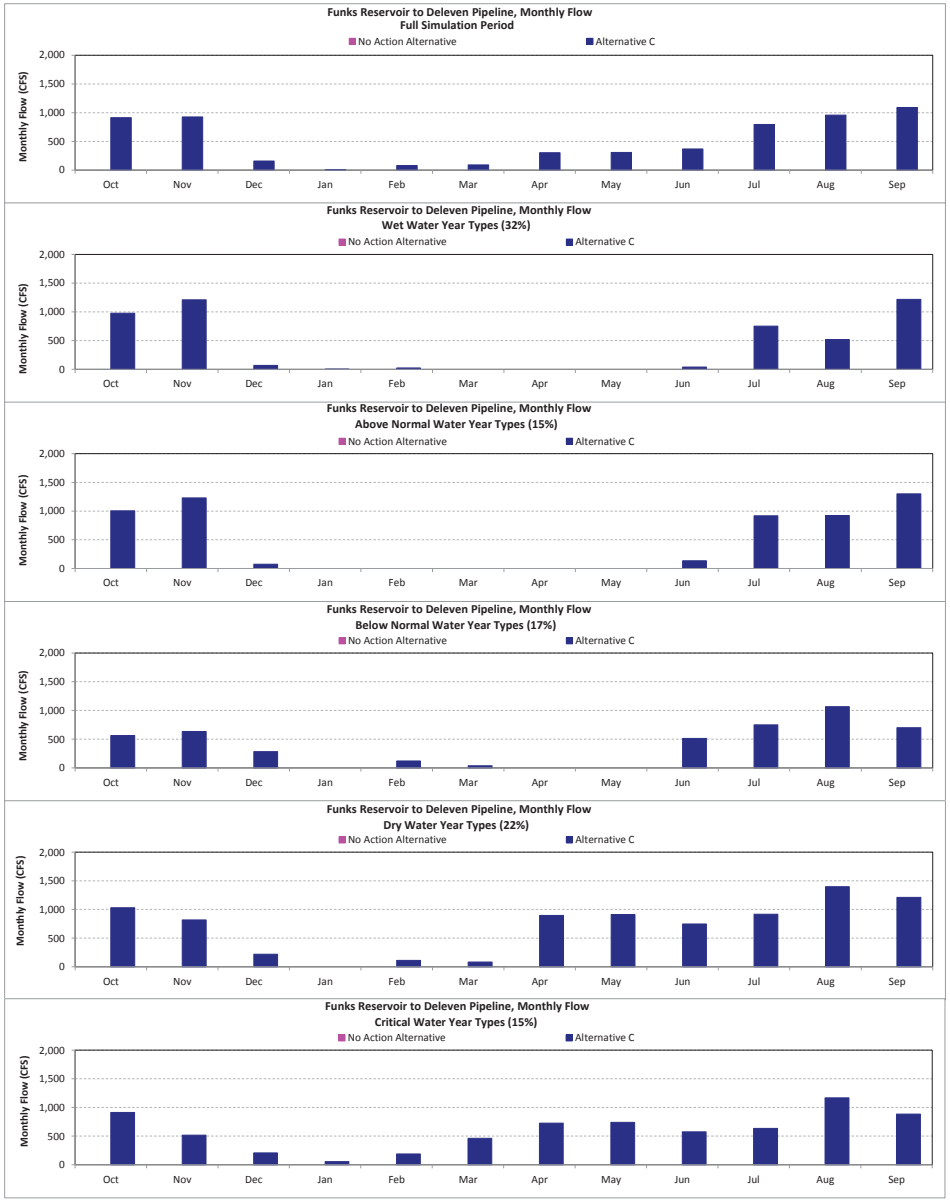

Figure OP-06-7b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

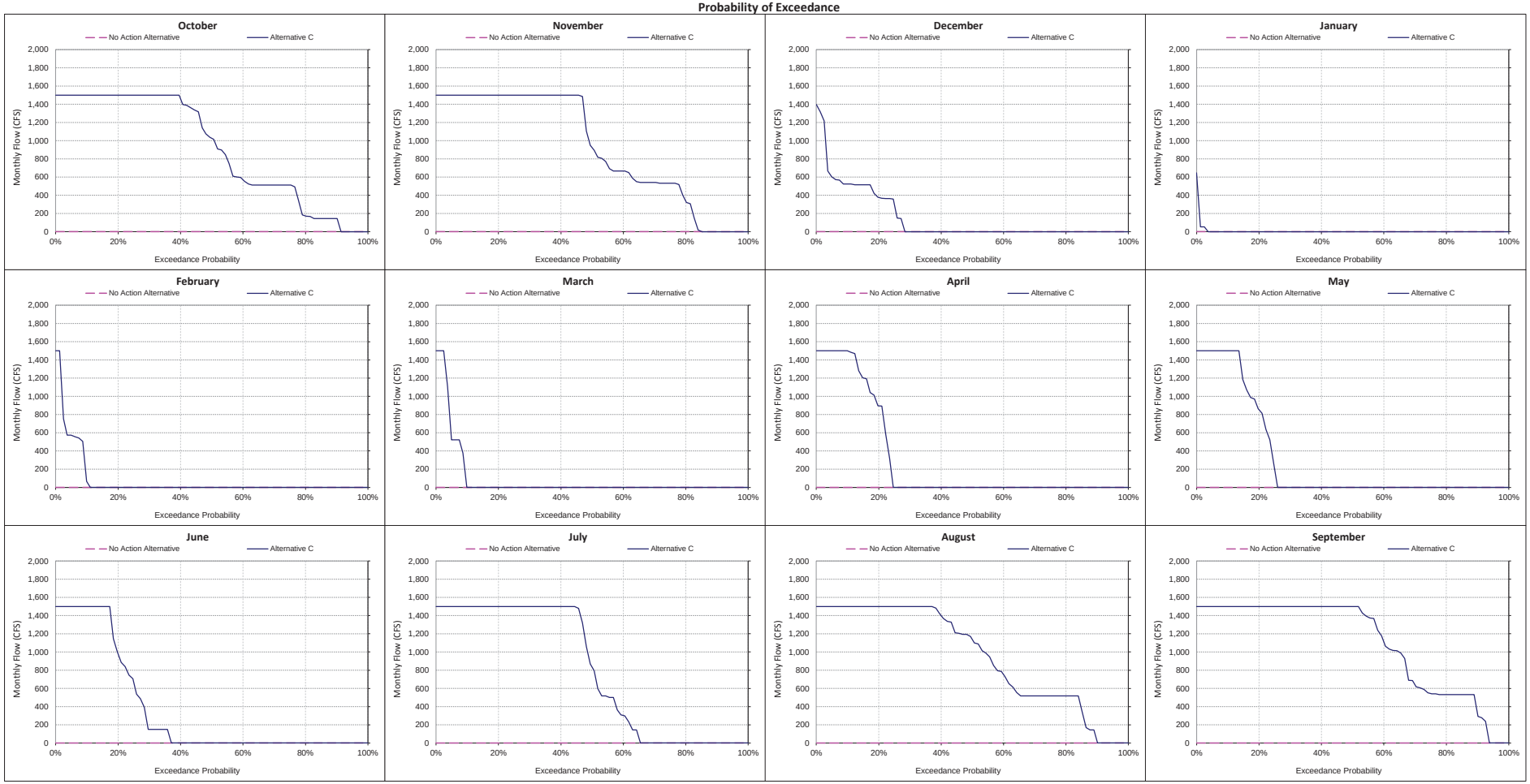

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,396	1,396		0.0%	0	647	647	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,317	1,317		1.2%	0	54	54	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,219	1,219		2.5%	0	53	53	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	667	667		3.7%	0	0	0	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	602	602		4.9%	0	0	0	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	572	572		6.2%	0	0	0	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	566	566		7.4%	0	0	0	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	523	523		8.6%	0	0	0	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	523	523		9.9%	0	0	0	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	523	523		11.1%	0	0	0	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	516	516		12.3%	0	0	0	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	516	516		13.6%	0	0	0	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	516	516		14.8%	0	0	0	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	516	516		16.0%	0	0	0	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	516	516		17.3%	0	0	0	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	420	420		18.5%	0	0	0	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	377	377		19.8%	0	0	0	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	366	366		21.0%	0	0	0	
22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	363	363		22.2%	0	0	0	
23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	363	363		23.5%	0	0	0	
24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	358	358		24.7%	0	0	0	
25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	151	151		25.9%	0	0	0	
27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	145	145		27.2%	0	0	0	
28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,500	1,500		33.3%	0	1,500	1,500		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,500	1,500		34.6%	0	1,500	1,500		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,500	1,500		35.8%	0	1,500	1,500		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,500	1,500		37.0%	0	1,500	1,500		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	1,500	1,500		38.3%	0	1,500	1,500		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	1,500	1,500		39.5%	0	1,500	1,500		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	1,396	1,396		40.7%	0	1,500	1,500		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	1,389	1,389		42.0%	0	1,500	1,500		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	1,362	1,362		43.2%	0	1,500	1,500		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	1,338	1,338		44.4%	0	1,500	1,500		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	1,316	1,316		45.7%	0	1,500	1,500		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	1,141	1,141		46.9%	0	1,485	1,485		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	1,075	1,075		48.1%	0	1,105	1,105		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	1,037	1,037		49.4%	0	949	949		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	1,013	1,013		50.6%	0	894	894		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	910	910		51.9%	0	818	818		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	896	896		53.1%	0	806	806		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	845	845		54.3%	0	772	772		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	748	748		55.6%	0	693	693		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	609	609		56.8%	0	667	667		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	600	600		58.0%	0	667	667		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	595	595		59.3%	0	667	667		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	553	553		60.5%	0	667	667		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	523	523		61.7%	0	649	649		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	512	512		63.0%	0	586	586		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	512	512		64.2%	0	548	548		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	512	512		65.4%	0	540	540		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	512	512		66.7%	0	540	540		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	512	512		67.9%	0	540	540		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	512	512		69.1%	0	540	540		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	512	512		70.4%	0	540	540		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	512	512		71.6%	0	533	533		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	512	512		72.8%	0	533	533		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	512	512		74.1%	0	533	533		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	512	512		75.3%	0	533	533		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	492	492		76.5%	0	533	533		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	346	346		77.8%	0	518	518		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	184	184		79.0%	0	400	400		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	170	170		80.2%	0	322	322		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	166	166		81.5%	0	308	308		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	145	145		82.7%	0	150	150		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	145	145		84.0%	0	17	17		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	145	145		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	145	145		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	145	145		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	145	145		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	145	145		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
1.2%	0	1,500	1,500		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
2.5%	0	754	754		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
3.7%	0	575	575		0	1,103	1,103		0	1,500	1,500		0	1,500	1,500	
4.9%	0	575	575		0	523	523		0	1,500	1,500		0	1,500	1,500	
6.2%	0	555	555		0	523	523		0	1,500	1,500		0	1,500	1,500	
7.4%	0	542	542		0	521	521		0	1,500	1,500		0	1,500	1,500	
8.6%	0	506	506		0	377	377		0	1,500	1,500		0	1,500	1,500	
9.9%	0	66	66		0	0	0		0	1,500	1,500		0	1,500	1,500	
11.1%	0	0	0		0	0	0		0	1,485	1,485		0	1,500	1,500	
12.3%	0	0	0		0	0	0		0	1,470	1,470		0	1,500	1,500	
13.6%	0	0	0		0	0	0		0	1,282	1,282		0	1,500	1,500	
14.8%	0	0	0		0	0	0		0	1,203	1,203		0	1,185	1,185	
16.0%	0	0	0		0	0	0		0	1,192	1,192		0	1,069	1,069	
17.3%	0	0	0		0	0	0		0	1,041	1,041		0	988	988	
18.5%	0	0	0		0	0	0		0	1,013	1,013		0	969	969	
19.8%	0	0	0		0	0	0		0	895	895		0	865	865	
21.0%	0	0	0		0	0	0		0	894	894		0	813	813	
22.2%	0	0	0		0	0	0		0	582	582		0	637	637	
23.5%	0	0	0		0	0	0		0	317	317		0	523	523	
24.7%	0	0	0		0	0	0		0	0	0		0	259	259	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500	
18.5%	0	1,145	1,145		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500	
19.8%	0	1,001	1,001		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500	
21.0%	0	886	886		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500	
22.2%	0	839	839		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500	
23.5%	0	745	745		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500	
24.7%	0	707	707		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500	
25.9%	0	538	538		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	1,500	1,500	
27.2%	0	486	486		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	1,500	1,500	
28.4%	0	393	393		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	1,500	1,500	
29.6%	0	150	150		29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	1,500	1,500	
30.9%	0	150	150		30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	1,500	1,500	
32.1%	0	150	150		32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	1,500	1,500	
33.3%	0	150	150		33.3%	0	1,500	1,500		33.3%	0	1,500	1,500		33.3%	0	1,500	1,500	
34.6%	0	150	150		34.6%	0	1,500	1,500		34.6%	0	1,500	1,500		34.6%	0	1,500	1,500	
35.8%	0	150	150		35.8%	0	1,500	1,500		35.8%	0	1,500	1,500		35.8%	0	1,500	1,500	
37.0%	0	0	0		37.0%	0	1,500	1,500		37.0%	0	1,500	1,500		37.0%	0	1,500	1,500	
38.3%	0	0	0		38.3%	0	1,500	1,500		38.3%	0	1,483	1,483		38.3%	0	1,500	1,500	
39.5%	0	0	0		39.5%	0	1,500	1,500		39.5%	0	1,422	1,422		39.5%	0	1,500	1,500	
40.7%	0	0	0		40.7%	0	1,500	1,500		40.7%	0	1,369	1,369		40.7%	0	1,500	1,500	
42.0%	0	0	0		42.0%	0	1,500	1,500		42.0%	0	1,336	1,336		42.0%	0	1,500	1,500	
43.2%	0	0	0		43.2%	0	1,500	1,500		43.2%	0	1,328	1,328		43.2%	0	1,500	1,500	
44.4%	0	0	0		44.4%	0	1,500	1,500		44.4%	0	1,212	1,212		44.4%	0	1,500	1,500	
45.7%	0	0	0		45.7%	0	1,480	1,480		45.7%	0	1,206	1,206		45.7%	0	1,500	1,500	
46.9%	0	0	0		46.9%	0	1,319	1,319		46.9%	0	1,195	1,195		46.9%	0	1,500	1,500	
48.1%	0	0	0		48.1%	0	1,061	1,061		48.1%	0	1,193	1,193		48.1%	0	1,500	1,500	
49.4%	0	0	0		49.4%	0	869	869		49.4%	0	1,172	1,172		49.4%	0	1,500	1,500	
50.6%	0	0	0		50.6%	0	793	793		50.6%	0	1,101	1,101		50.6%	0	1,500	1,500	
51.9%	0	0	0		51.9%	0	599	599		51.9%	0	1,088	1,088		51.9%	0	1,500	1,500	
53.1%	0	0	0		53.1%	0	519	519		53.1%	0	1,014	1,014		53.1%	0	1,428	1,428	
54.3%	0	0	0		54.3%	0	519	519		54.3%	0	989	989		54.3%	0	1,394	1,394	
55.6%	0	0	0		55.6%	0	500	500		55.6%	0	945	945		55.6%	0	1,373	1,373	
56.8%	0	0	0		56.8%	0	500	500		56.8%	0	853	853		56.8%	0	1,368	1,368	
58.0%	0	0	0		58.0%	0	365	365		58.0%	0	795	795		58.0%	0	1,240	1,240	
59.3%	0	0	0		59.3%	0	309	309		59.3%	0	785	785		59.3%	0	1,177	1,177	
60.5%	0	0	0		60.5%	0	298	298		60.5%	0	730	730		60.5%	0	1,062	1,062	
61.7%	0	0	0		61.7%	0	232	232		61.7%	0	653	653		61.7%	0	1,033	1,033	
63.0%	0	0	0		63.0%	0	145	145		63.0%	0	615	615		63.0%	0	1,016	1,016	
64.2%	0	0	0		64.2%	0	145	145		64.2%	0	556	556		64.2%	0	1,015	1,015	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	517	517		65.4%	0	988	988	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	517	517		66.7%	0	927	927	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	517	517		67.9%	0	690	690	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	517	517		69.1%	0	686	686	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	517	517		70.4%	0	618	618	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	517	517		71.6%	0	606	606	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	517	517		72.8%	0	589	589	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	517	517		74.1%	0	552	552	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	517	517		75.3%	0	540	540	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	517	517		76.5%	0	540	540	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	517	517		77.8%	0	533	533	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	517	517		79.0%	0	533	533	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	517	517		80.2%	0	533	533	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	517	517		81.5%	0	533	533	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	517	517		82.7%	0	533	533	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	517	517		84.0%	0	533	533	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	341	341		85.2%	0	533	533	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	169	169		86.4%	0	533	533	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	145	145		87.7%	0	533	533	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	145	145		88.9%	0	533	533	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	291	291	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	277	277	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	239	239	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-07-7a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (cfs)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,066	997	175	9	80	92	415	487	911	1,650	1,341	1,264
Difference	1,066	997	175	9	80	92	415	487	911	1,650	1,341	1,264
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,305	1,361	111	4	24	0	42	77	316	1,921	756	1,579
Difference	1,305	1,361	111	4	24	0	42	77	316	1,921	756	1,579
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,054	1,274	87	0	0	0	0	215	897	1,927	1,402	1,480
Difference	1,054	1,274	87	0	0	0	0	215	897	1,927	1,402	1,480
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	680	663	284	0	123	37	0	259	1,119	1,642	1,793	797
Difference	680	663	284	0	123	37	0	259	1,119	1,642	1,793	797
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,133	860	220	0	112	83	1,049	1,105	1,505	1,588	1,888	1,282
Difference	1,133	860	220	0	112	83	1,049	1,105	1,505	1,588	1,888	1,282
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	913	530	208	54	188	461	1,175	984	1,080	889	1,202	885
Difference	913	530	208	54	188	461	1,175	984	1,080	889	1,202	885
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

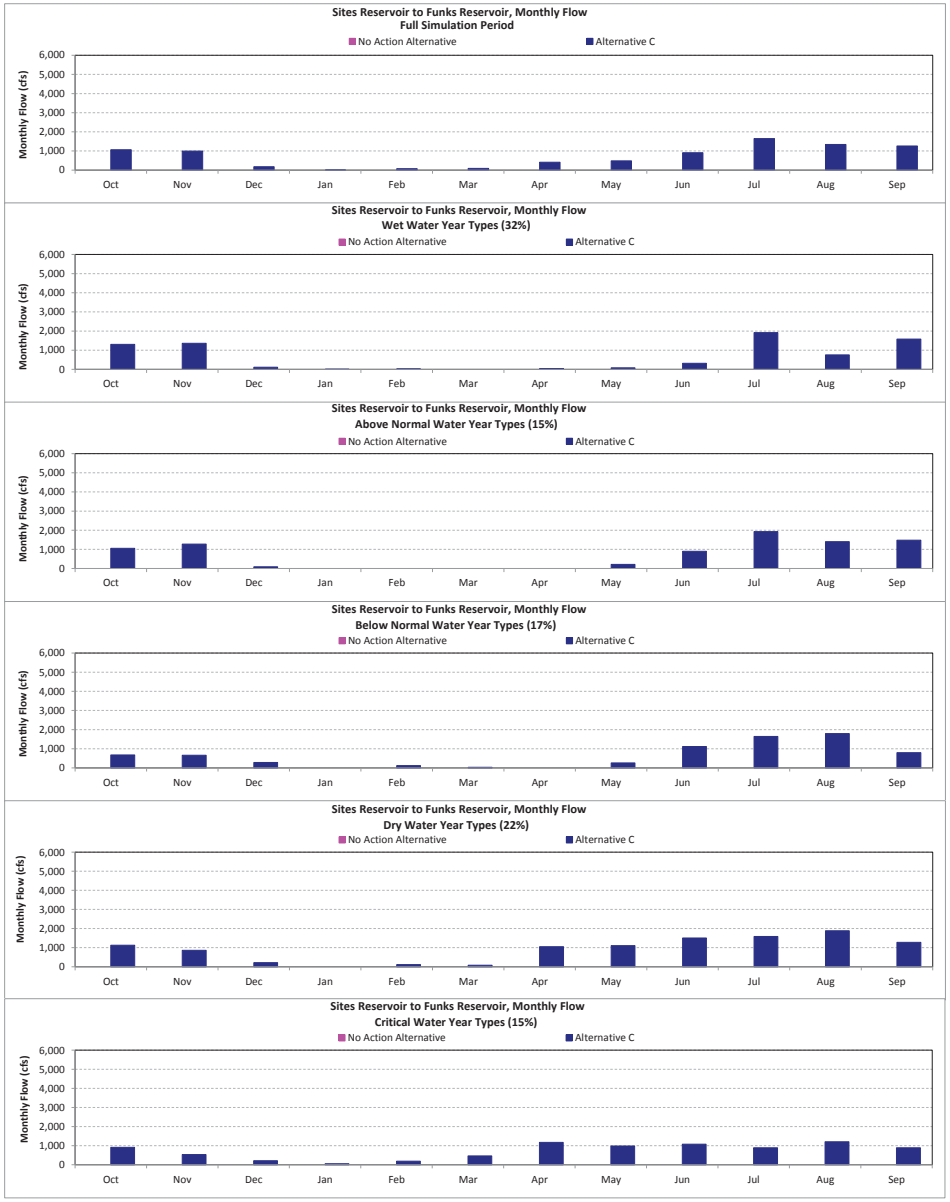

Figure OP-07-7b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

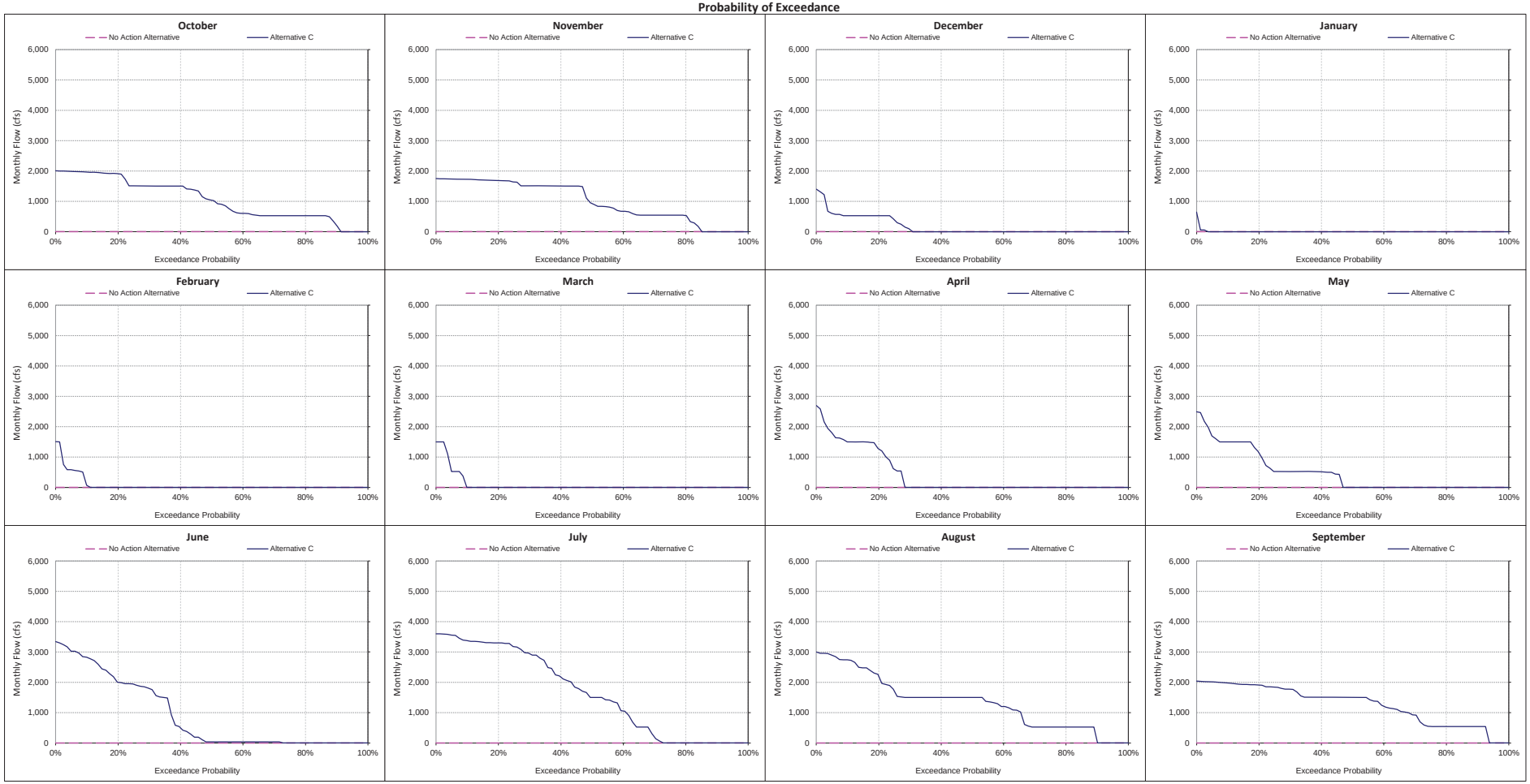

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October				November				December				January			
	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,011	2,011		0	1,750	1,750		0	1,403	1,403		0	647	647	
1.2%	0	1,998	1,998		0	1,739	1,739		0	1,317	1,317		0	58	58	
2.5%	0	1,997	1,997		0	1,738	1,738		0	1,219	1,219		0	57	57	
3.7%	0	1,991	1,991		0	1,737	1,737		0	674	674		0	0	0	
4.9%	0	1,987	1,987		0	1,732	1,732		0	602	602		0	0	0	
6.2%	0	1,981	1,981		0	1,732	1,732		0	572	572		0	0	0	
7.4%	0	1,978	1,978		0	1,730	1,730		0	566	566		0	0	0	
8.6%	0	1,975	1,975		0	1,729	1,729		0	523	523		0	0	0	
9.9%	0	1,965	1,965		0	1,724	1,724		0	523	523		0	0	0	
11.1%	0	1,954	1,954		0	1,723	1,723		0	523	523		0	0	0	
12.3%	0	1,953	1,953		0	1,715	1,715		0	523	523		0	0	0	
13.6%	0	1,953	1,953		0	1,711	1,711		0	523	523		0	0	0	
14.8%	0	1,932	1,932		0	1,703	1,703		0	523	523		0	0	0	
16.0%	0	1,926	1,926		0	1,696	1,696		0	523	523		0	0	0	
17.3%	0	1,924	1,924		0	1,693	1,693		0	523	523		0	0	0	
18.5%	0	1,918	1,918		0	1,693	1,693		0	523	523		0	0	0	
19.8%	0	1,914	1,914		0	1,692	1,692		0	523	523		0	0	0	
21.0%	0	1,901	1,901		0	1,679	1,679		0	523	523		0	0	0	
22.2%	0	1,730	1,730		0	1,677	1,677		0	523	523		0	0	0	
23.5%	0	1,510	1,510		0	1,670	1,670		0	523	523		0	0	0	
24.7%	0	1,510	1,510		0	1,640	1,640		0	427	427		0	0	0	
25.9%	0	1,510	1,510		0	1,633	1,633		0	297	297		0	0	0	
27.2%	0	1,510	1,510		0	1,507	1,507		0	248	248		0	0	0	
28.4%	0	1,510	1,510		0	1,507	1,507		0	151	151		0	0	0	
29.6%	0	1,500	1,500		0	1,507	1,507		0	98	98		0	0	0	
30.9%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
32.1%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
33.3%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
34.6%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
35.8%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
37.0%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
38.3%	0	1,500	1,500		0	1,507	1,507		0	0	0		0	0	0	
39.5%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
40.7%	0	1,500	1,500		0	1,500	1,500		0	0	0		0	0	0	
42.0%	0	1,406	1,406		0	1,500	1,500		0	0	0		0	0	0	
43.2%	0	1,399	1,399		0	1,500	1,500		0	0	0		0	0	0	
44.4%	0	1,372	1,372		0	1,500	1,500		0	0	0		0	0	0	
45.7%	0	1,338	1,338		0	1,500	1,500		0	0	0		0	0	0	
46.9%	0	1,152	1,152		0	1,485	1,485		0	0	0		0	0	0	
48.1%	0	1,085	1,085		0	1,112	1,112		0	0	0		0	0	0	
49.4%	0	1,048	1,048		0	956	956		0	0	0		0	0	0	
50.6%	0	1,024	1,024		0	894	894		0	0	0		0	0	0	
51.9%	0	920	920		0	837	837		0	0	0		0	0	0	
53.1%	0	907	907		0	837	837		0	0	0		0	0	0	
54.3%	0	855	855		0	826	826		0	0	0		0	0	0	
55.6%	0	759	759		0	806	806		0	0	0		0	0	0	
56.8%	0	676	676		0	772	772		0	0	0		0	0	0	
58.0%	0	619	619		0	700	700		0	0	0		0	0	0	
59.3%	0	605	605		0	674	674		0	0	0		0	0	0	
60.5%	0	600	600		0	674	674		0	0	0		0	0	0	
61.7%	0	595	595		0	657	657		0	0	0		0	0	0	
63.0%	0	563	563		0	593	593		0	0	0		0	0	0	
64.2%	0	546	546		0	556	556		0	0	0		0	0	0	
65.4%	0	524	524		0	540	540		0	0	0		0	0	0	
66.7%	0	523	523		0	540	540		0	0	0		0	0	0	
67.9%	0	523	523		0	540	540		0	0	0		0	0	0	
69.1%	0	523	523		0	540	540		0	0	0		0	0	0	
70.4%	0	523	523		0	540	540		0	0	0		0	0	0	
71.6%	0	523	523		0	540	540		0	0	0		0	0	0	
72.8%	0	523	523		0	540	540		0	0	0		0	0	0	
74.1%	0	523	523		0	540	540		0	0	0		0	0	0	
75.3%	0	523	523		0	540	540		0	0	0		0	0	0	
76.5%	0	523	523		0	540	540		0	0	0		0	0	0	
77.8%	0	523	523		0	540	540		0	0	0		0	0	0	
79.0%	0	523	523		0	540	540		0	0	0		0	0	0	
80.2%	0	523	523		0	525	525		0	0	0		0	0	0	
81.5%	0	523	523		0	330	330		0	0	0		0	0	0	
82.7%	0	523	523		0	290	290		0	0	0		0	0	0	
84.0%	0	523	523		0	173	173		0	0	0		0	0	0	
85.2%	0	523	523		0	0	0		0	0	0		0	0	0	
86.4%	0	523	523		0	0	0		0	0	0		0	0	0	
87.7%	0	492	492		0	0	0		0	0	0		0	0	0	
88.9%	0	346	346		0	0	0		0	0	0		0	0	0	
90.1%	0	184	184		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,504	1,504		0	1,501	1,501		0	2,697	2,697		0	2,493	2,493	
1.2%	0	1,500	1,500		0	1,500	1,500		0	2,582	2,582		0	2,466	2,466	
2.5%	0	754	754		0	1,500	1,500		0	2,154	2,154		0	2,177	2,177	
3.7%	0	579	579		0	1,103	1,103		0	1,944	1,944		0	1,981	1,981	
4.9%	0	579	579		0	523	523		0	1,806	1,806		0	1,699	1,699	
6.2%	0	559	559		0	523	523		0	1,634	1,634		0	1,600	1,600	
7.4%	0	542	542		0	523	523		0	1,624	1,624		0	1,501	1,501	
8.6%	0	509	509		0	378	378		0	1,571	1,571		0	1,501	1,501	
9.9%	0	70	70		0	0	0		0	1,500	1,500		0	1,501	1,501	
11.1%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
12.3%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
13.6%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
14.8%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
16.0%	0	0	0		0	0	0		0	1,500	1,500		0	1,501	1,501	
17.3%	0	0	0		0	0	0		0	1,485	1,485		0	1,501	1,501	
18.5%	0	0	0		0	0	0		0	1,470	1,470		0	1,306	1,306	
19.8%	0	0	0		0	0	0		0	1,282	1,282		0	1,185	1,185	
21.0%	0	0	0		0	0	0		0	1,203	1,203		0	969	969	
22.2%	0	0	0		0	0	0		0	1,013	1,013		0	716	716	
23.5%	0	0	0		0	0	0		0	894	894		0	638	638	
24.7%	0	0	0		0	0	0		0	620	620		0	523	523	
25.9%	0	0	0		0	0	0		0	540	540		0	523	523	
27.2%	0	0	0		0	0	0		0	540	540		0	523	523	
28.4%	0	0	0		0	0	0		0	0	0		0	523	523	
29.6%	0	0	0		0	0	0		0	0	0		0	523	523	
30.9%	0	0	0		0	0	0		0	0	0		0	523	523	
32.1%	0	0	0		0	0	0		0	0	0		0	523	523	
33.3%	0	0	0		0	0	0		0	0	0		0	523	523	
34.6%	0	0	0		0	0	0		0	0	0		0	523	523	
35.8%	0	0	0		0	0	0		0	0	0		0	523	523	
37.0%	0	0	0		0	0	0		0	0	0		0	523	523	
38.3%	0	0	0		0	0	0		0	0	0		0	523	523	
39.5%	0	0	0		0	0	0		0	0	0		0	523	523	
40.7%	0	0	0		0	0	0		0	0	0		0	507	507	
42.0%	0	0	0		0	0	0		0	0	0		0	501	501	
43.2%	0	0	0		0	0	0		0	0	0		0	493	493	
44.4%	0	0	0		0	0	0		0	0	0		0	438	438	
45.7%	0	0	0		0	0	0		0	0	0		0	431	431	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June				July				August				September			
	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,339	3,339		0	3,599	3,599		0	3,001	3,001		0	2,037	2,037	
1.2%	0	3,295	3,295		0	3,599	3,599		0	2,956	2,956		0	2,031	2,031	
2.5%	0	3,237	3,237		0	3,595	3,595		0	2,954	2,954		0	2,024	2,024	
3.7%	0	3,171	3,171		0	3,586	3,586		0	2,951	2,951		0	2,024	2,024	
4.9%	0	3,028	3,028		0	3,557	3,557		0	2,894	2,894		0	2,012	2,012	
6.2%	0	3,027	3,027		0	3,549	3,549		0	2,842	2,842		0	2,008	2,008	
7.4%	0	2,966	2,966		0	3,456	3,456		0	2,754	2,754		0	2,008	2,008	
8.6%	0	2,849	2,849		0	3,397	3,397		0	2,744	2,744		0	1,986	1,986	
9.9%	0	2,829	2,829		0	3,377	3,377		0	2,741	2,741		0	1,975	1,975	
11.1%	0	2,781	2,781		0	3,347	3,347		0	2,728	2,728		0	1,971	1,971	
12.3%	0	2,720	2,720		0	3,347	3,347		0	2,657	2,657		0	1,952	1,952	
13.6%	0	2,597	2,597		0	3,338	3,338		0	2,496	2,496		0	1,941	1,941	
14.8%	0	2,448	2,448		0	3,322	3,322		0	2,479	2,479		0	1,932	1,932	
16.0%	0	2,400	2,400		0	3,308	3,308		0	2,475	2,475		0	1,930	1,930	
17.3%	0	2,281	2,281		0	3,306	3,306		0	2,394	2,394		0	1,922	1,922	
18.5%	0	2,190	2,190		0	3,303	3,303		0	2,307	2,307		0	1,920	1,920	
19.8%	0	2,005	2,005		0	3,302	3,302		0	2,263	2,263		0	1,909	1,909	
21.0%	0	1,989	1,989		0	3,297	3,297		0	1,960	1,960		0	1,903	1,903	
22.2%	0	1,953	1,953		0	3,279	3,279		0	1,932	1,932		0	1,850	1,850	
23.5%	0	1,953	1,953		0	3,279	3,279		0	1,897	1,897		0	1,849	1,849	
24.7%	0	1,943	1,943		0	3,182	3,182		0	1,775	1,775		0	1,840	1,840	
25.9%	0	1,903	1,903		0	3,162	3,162		0	1,539	1,539		0	1,839	1,839	
27.2%	0	1,871	1,871		0	3,085	3,085		0	1,516	1,516		0	1,799	1,799	
28.4%	0	1,851	1,851		0	2,975	2,975		0	1,505	1,505		0	1,774	1,774	
29.6%	0	1,813	1,813		0	2,961	2,961		0	1,505	1,505		0	1,772	1,772	
30.9%	0	1,761	1,761		0	2,900	2,900		0	1,505	1,505		0	1,765	1,765	
32.1%	0	1,561	1,561		0	2,895	2,895		0	1,505	1,505		0	1,678	1,678	
33.3%	0	1,516	1,516		0	2,795	2,795		0	1,505	1,505		0	1,554	1,554	
34.6%	0	1,500	1,500		0	2,727	2,727		0	1,505	1,505		0	1,507	1,507	
35.8%	0	1,485	1,485		0	2,489	2,489		0	1,505	1,505		0	1,507	1,507	
37.0%	0	928	928		0	2,463	2,463		0	1,505	1,505		0	1,507	1,507	
38.3%	0	583	583		0	2,246	2,246		0	1,505	1,505		0	1,507	1,507	
39.5%	0	540	540		0	2,210	2,210		0	1,505	1,505		0	1,507	1,507	
40.7%	0	421	421		0	2,109	2,109		0	1,500	1,500		0	1,507	1,507	
42.0%	0	384	384		0	2,058	2,058		0	1,500	1,500		0	1,507	1,507	
43.2%	0	297	297		0	2,018	2,018		0	1,500	1,500		0	1,507	1,507	
44.4%	0	190	190		0	1,841	1,841		0	1,500	1,500		0	1,507	1,507	
45.7%	0	188	188		0	1,792	1,792		0	1,500	1,500		0	1,507	1,507	
46.9%	0	106	106		0	1,706	1,706		0	1,500	1,500		0	1,500	1,500	
48.1%	0	40	40		0	1,664	1,664		0	1,500	1,500		0	1,500	1,500	
49.4%	0	40	40		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
50.6%	0	40	40		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
51.9%	0	40	40		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
53.1%	0	40	40		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
54.3%	0	40	40		0	1,426	1,426		0	1,374	1,374		0	1,500	1,500	
55.6%	0	40	40		0	1,414	1,414		0	1,353	1,353		0	1,428	1,428	
56.8%	0	40	40		0	1,360	1,360		0	1,333	1,333		0	1,380	1,380	
58.0%	0	40	40		0	1,323	1,323		0	1,296	1,296		0	1,375	1,375	
59.3%	0	40	40		0	1,061	1,061		0	1,202	1,202		0	1,248	1,248	
60.5%	0	40	40		0	1,044	1,044		0	1,200	1,200		0	1,184	1,184	
61.7%	0	40	40		0	907	907		0	1,162	1,162		0	1,151	1,151	
63.0%	0	40	40		0	684	684		0	1,093	1,093		0	1,136	1,136	
64.2%	0	40	40		0	523	523		0	1,084	1,084		0	1,109	1,109	
65.4%	0	40	40		0	523	523		0	1,023	1,023		0	1,040	1,040	
66.7%	0	40	40		0	523	523		0	615	615		0	1,022	1,022	
67.9%	0	40	40		0	523	523		0	561	561		0	995	995	
69.1%	0	40	40		0	309	309		0	523	523		0	927	927	
70.4%	0	40	40		0	136	136		0	523	523		0	923	923	
71.6%	0	40	40		0	67	67		0	523	523		0	697	697	
72.8%	0	0	0		0	4	4		0	523	523		0	597	597	
74.1%	0	0	0		0	4	4		0	523	523		0	552	552	
75.3%	0	0	0		0	4	4		0	523	523		0	540	540	
76.5%	0	0	0		0	4	4		0	523	523		0	540	540	
77.8%	0	0	0		0	4	4		0	523	523		0	540	540	
79.0%	0	0	0		0	4	4		0	523	523		0	540	540	
80.2%	0	0	0		0	4	4		0	523	523		0	540	540	
81.5%	0	0	0		0	4	4		0	523	523		0	540	540	
82.7%	0	0	0		0	4	4		0	523	523		0	540	540	
84.0%	0	0	0		0	4	4		0	523	523		0	540	540	
85.2%	0	0	0		0	4	4		0	523	523		0	540	540	
86.4%	0	0	0		0	4	4		0	523	523		0	540	540	
87.7%	0	0	0		0	4	4		0	523	523		0	540	540	
88.9%	0	0	0		0	4	4		0	523	523		0	540	540	
90.1%	0	0	0		0	4	4		0	0	0		0	540	540	
91.4%	0	0	0		0	0	0		0	0	0		0	540	540	
92.6%	0	0	0		0	0	0		0	0	0		0	540	540	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-7a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	58	78	649	480	0	0
Difference	0	0	0	0	0	0	58	78	649	480	0	0
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	721	153	0	0
Difference	0	0	0	0	0	0	0	0	721	153	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	788	636	0	0
Difference	0	0	0	0	0	0	0	0	788	636	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	453	780	0	0
Difference	0	0	0	0	0	0	0	0	453	780	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	22	148	542	573	0	0
Difference	0	0	0	0	0	0	22	148	542	573	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	365	311	742	541	0	0
Difference	0	0	0	0	0	0	365	311	742	541	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

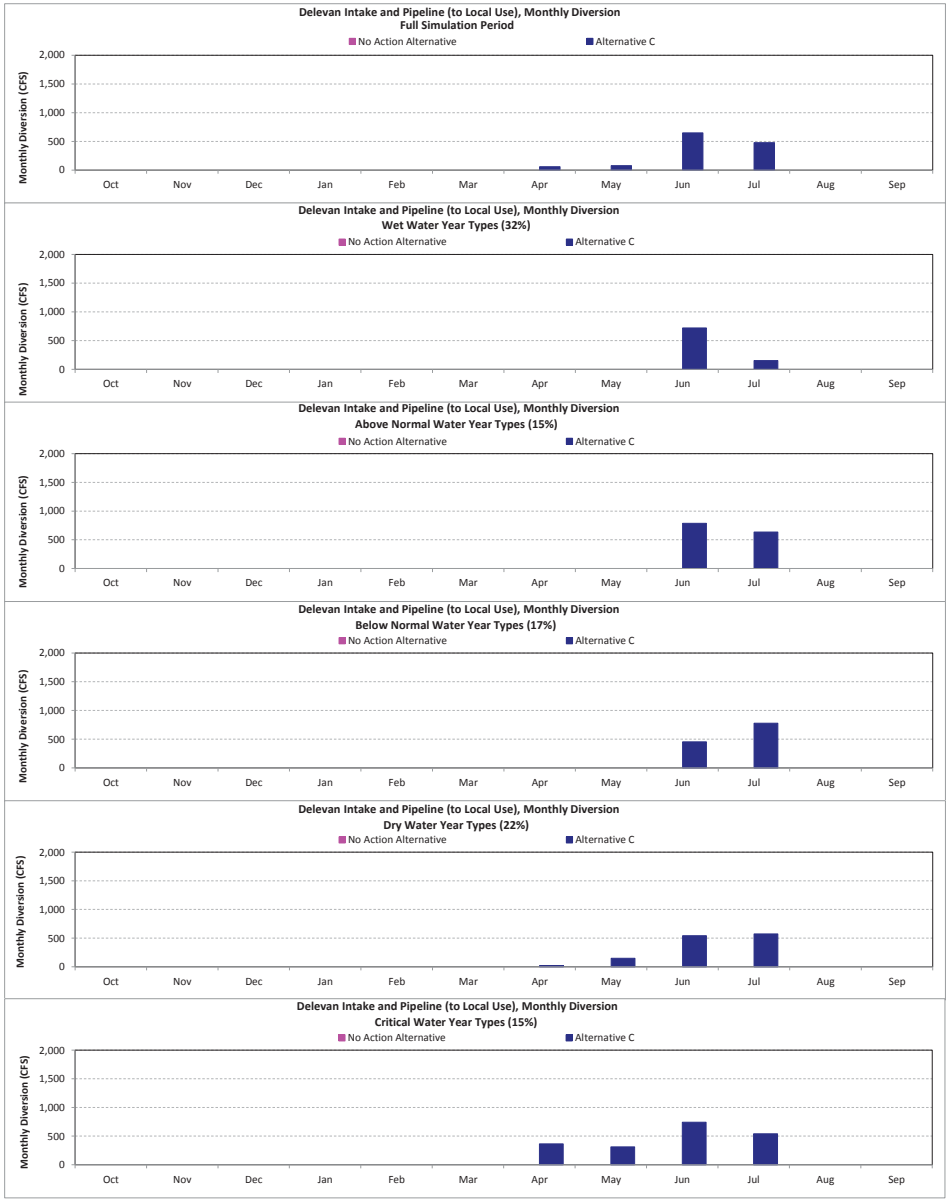

Figure OP-08-7b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

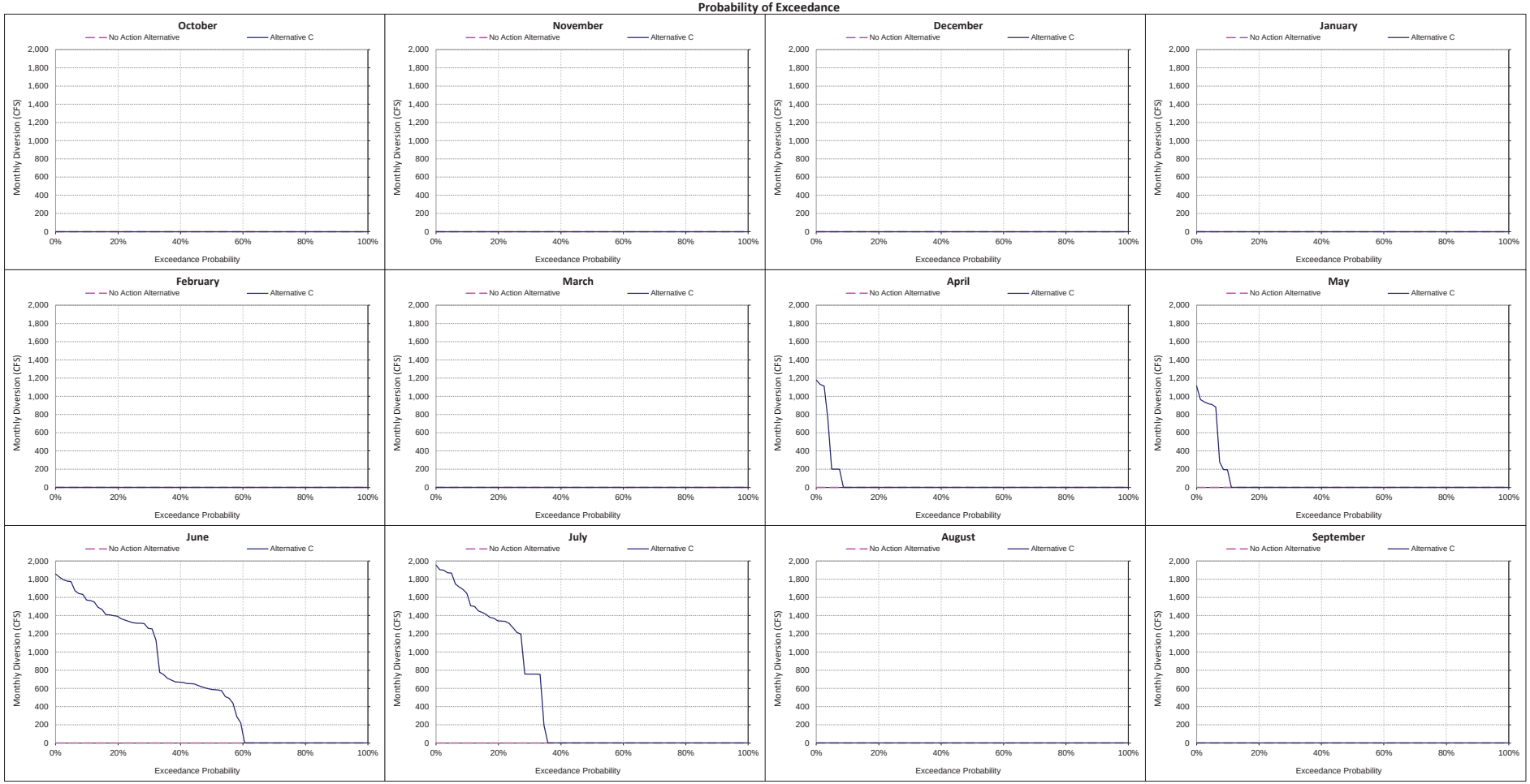

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	1,178	1,178		0	1,117	1,117	
1.2%	0	0	0		0	0	0		0	1,129	1,129		0	965	965	
2.5%	0	0	0		0	0	0		0	1,112	1,112		0	937	937	
3.7%	0	0	0		0	0	0		0	759	759		0	918	918	
4.9%	0	0	0		0	0	0		0	200	200		0	911	911	
6.2%	0	0	0		0	0	0		0	200	200		0	883	883	
7.4%	0	0	0		0	0	0		0	200	200		0	277	277	
8.6%	0	0	0		0	0	0		0	0	0		0	194	194	
9.9%	0	0	0		0	0	0		0	0	0		0	194	194	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,855	1,855		0.0%	0	1,952	1,952		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	1,821	1,821		1.2%	0	1,904	1,904		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	1,793	1,793		2.5%	0	1,899	1,899		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	1,779	1,779		3.7%	0	1,872	1,872		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	1,772	1,772		4.9%	0	1,867	1,867		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	1,673	1,673		6.2%	0	1,748	1,748		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	1,643	1,643		7.4%	0	1,713	1,713		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	1,634	1,634		8.6%	0	1,689	1,689		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	1,571	1,571		9.9%	0	1,644	1,644		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	1,566	1,566		11.1%	0	1,507	1,507		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,551	1,551		12.3%	0	1,498	1,498		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,492	1,492		13.6%	0	1,451	1,451		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,467	1,467		14.8%	0	1,434	1,434		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,411	1,411		16.0%	0	1,415	1,415		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,408	1,408		17.3%	0	1,380	1,380		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,399	1,399		18.5%	0	1,371	1,371		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,393	1,393		19.8%	0	1,342	1,342		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,364	1,364		21.0%	0	1,339	1,339		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,350	1,350		22.2%	0	1,337	1,337		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,333	1,333		23.5%	0	1,313	1,313		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,323	1,323		24.7%	0	1,267	1,267		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,317	1,317		25.9%	0	1,213	1,213		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,316	1,316		27.2%	0	1,196	1,196		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,310	1,310		28.4%	0	756	756		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,259	1,259		29.6%	0	756	756		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,254	1,254		30.9%	0	756	756		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,127	1,127		32.1%	0	756	756		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	778	778		33.3%	0	754	754		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	751	751		34.6%	0	194	194		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	710	710		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	693	693		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	671	671		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	670	670		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	666	666		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	656	656		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	651	651		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	648	648		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	628	628		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	617	617		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	603	603		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	591	591		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	586	586		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	582	582		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	576	576		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	508	508		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	492	492		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	439	439		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	289	289		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	220	220		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-09-7a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,049	1,004	1,084	1,220	1,349	1,463	1,465	1,441	1,386	1,276	1,192	1,114
Difference	1,049	1,004	1,084	1,220	1,349	1,463	1,465	1,441	1,386	1,276	1,192	1,114
Percent Difference[3]												
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,432	1,366	1,476	1,581	1,705	1,775	1,793	1,795	1,769	1,643	1,603	1,508
Difference	1,432	1,366	1,476	1,581	1,705	1,775	1,793	1,795	1,769	1,643	1,603	1,508
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,255	1,208	1,336	1,228	1,431	1,605	1,660	1,674	1,632	1,504	1,410	1,317
Difference	1,255	1,208	1,336	1,228	1,431	1,605	1,660	1,674	1,632	1,504	1,410	1,317
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,076	1,044	1,115	1,149	1,275	1,421	1,466	1,459	1,398	1,288	1,171	1,119
Difference	1,076	1,044	1,115	1,149	1,275	1,421	1,466	1,459	1,398	1,288	1,171	1,119
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	794	757	798	1,093	1,223	1,379	1,341	1,268	1,172	1,067	944	865
Difference	794	757	798	1,093	1,223	1,379	1,341	1,268	1,172	1,067	944	865
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	368	340	374	706	769	817	747	683	615	554	478	423
Difference	368	340	374	706	769	817	747	683	615	554	478	423
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

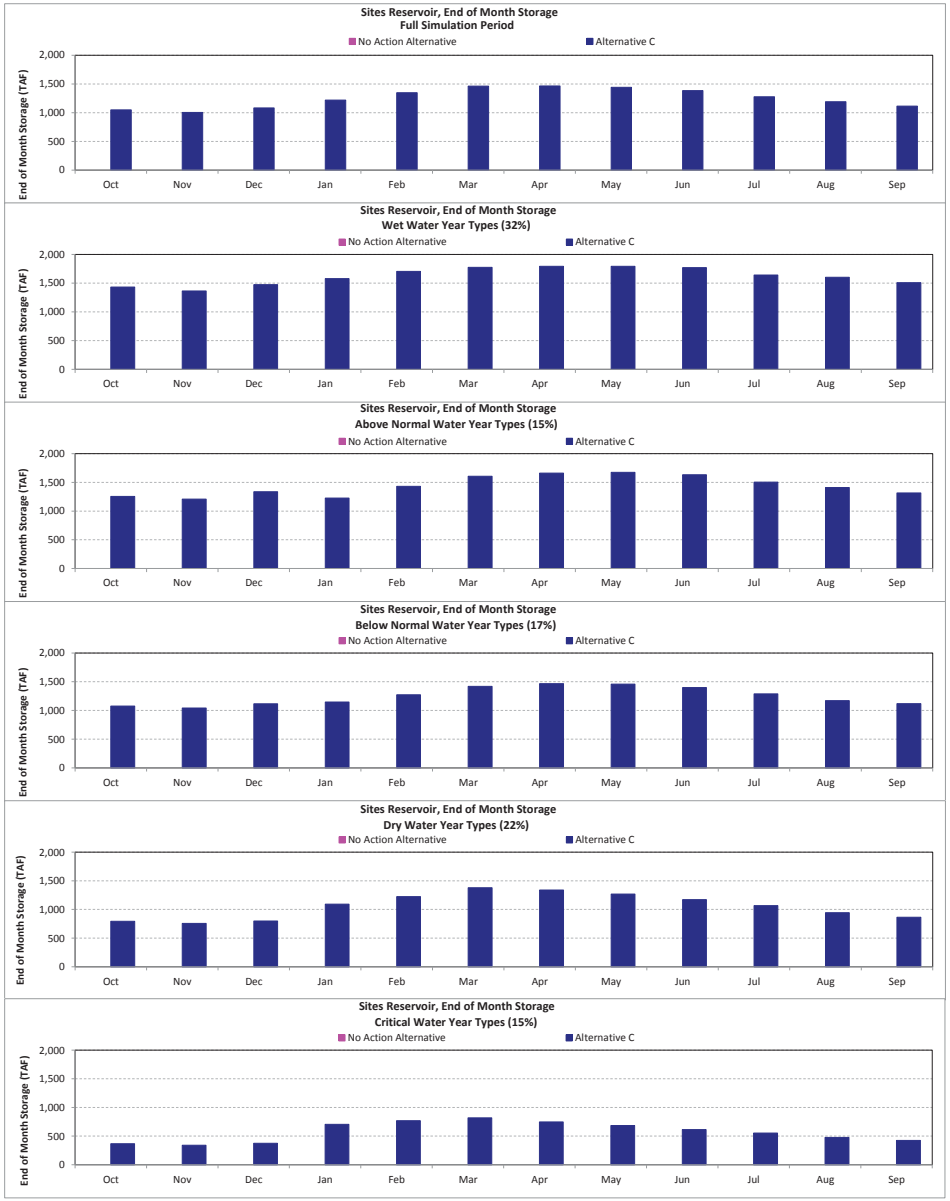

Figure OP-09-7b
Sites Reservoir, End of Month Storage
Probability of Exceedance

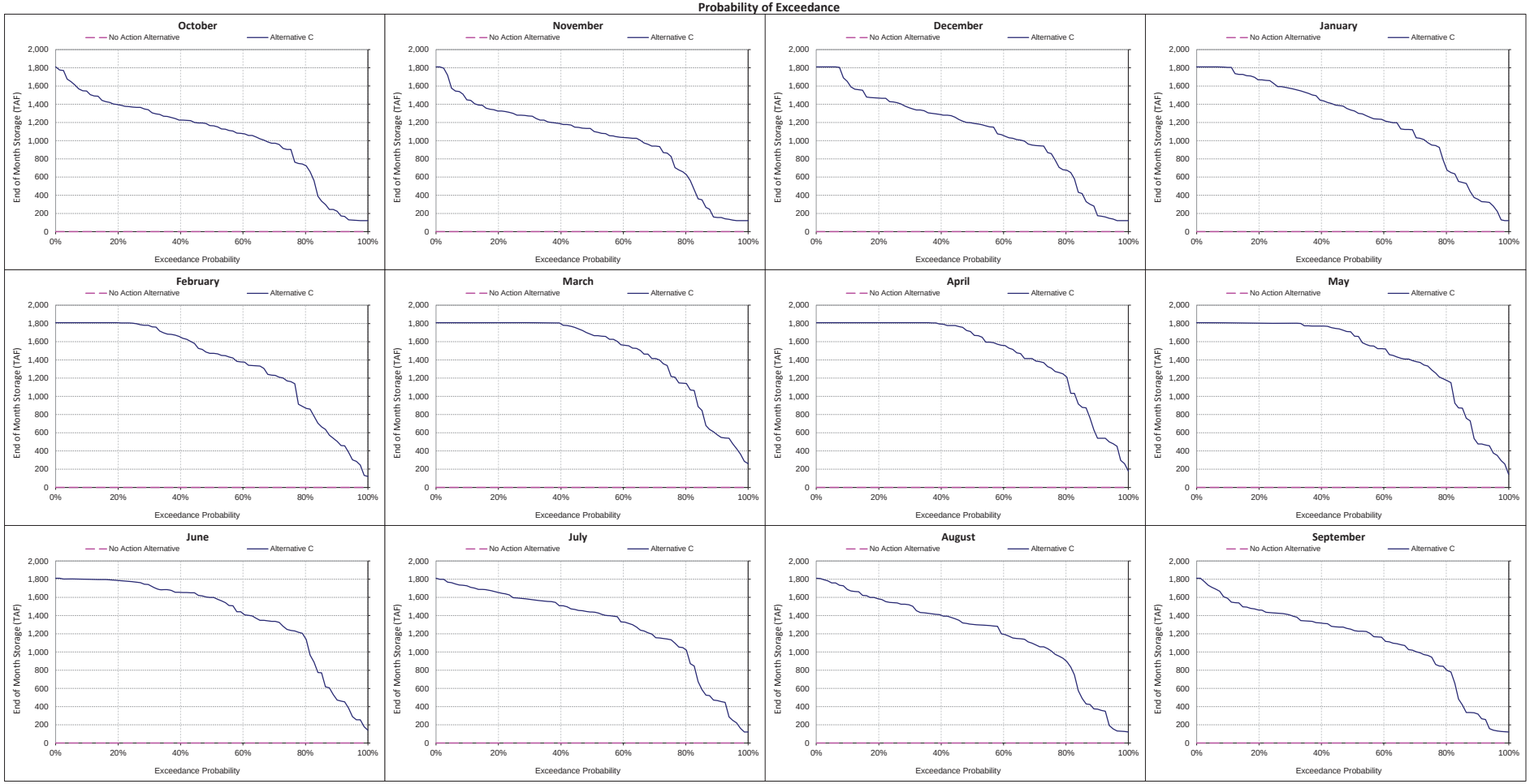

Table OP-09-7b

Sites Reservoir, End of Month Storage
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810	
1.2%	0	1,776	1,776		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810	
2.5%	0	1,772	1,772		2.5%	0	1,796	1,796		2.5%	0	1,810	1,810		2.5%	0	1,810	1,810	
3.7%	0	1,676	1,676		3.7%	0	1,719	1,719		3.7%	0	1,810	1,810		3.7%	0	1,810	1,810	
4.9%	0	1,647	1,647		4.9%	0	1,576	1,576		4.9%	0	1,810	1,810		4.9%	0	1,810	1,810	
6.2%	0	1,611	1,611		6.2%	0	1,546	1,546		6.2%	0	1,810	1,810		6.2%	0	1,810	1,810	
7.4%	0	1,569	1,569		7.4%	0	1,539	1,539		7.4%	0	1,806	1,806		7.4%	0	1,810	1,810	
8.6%	0	1,548	1,548		8.6%	0	1,512	1,512		8.6%	0	1,690	1,690		8.6%	0	1,807	1,807	
9.9%	0	1,544	1,544		9.9%	0	1,449	1,449		9.9%	0	1,652	1,652		9.9%	0	1,806	1,806	
11.1%	0	1,506	1,506		11.1%	0	1,443	1,443		11.1%	0	1,591	1,591		11.1%	0	1,806	1,806	
12.3%	0	1,490	1,490		12.3%	0	1,406	1,406		12.3%	0	1,566	1,566		12.3%	0	1,737	1,737	
13.6%	0	1,488	1,488		13.6%	0	1,391	1,391		13.6%	0	1,559	1,559		13.6%	0	1,728	1,728	
14.8%	0	1,442	1,442		14.8%	0	1,390	1,390		14.8%	0	1,555	1,555		14.8%	0	1,728	1,728	
16.0%	0	1,427	1,427		16.0%	0	1,356	1,356		16.0%	0	1,481	1,481		16.0%	0	1,713	1,713	
17.3%	0	1,420	1,420		17.3%	0	1,347	1,347		17.3%	0	1,473	1,473		17.3%	0	1,711	1,711	
18.5%	0	1,404	1,404		18.5%	0	1,341	1,341		18.5%	0	1,472	1,472		18.5%	0	1,697	1,697	
19.8%	0	1,397	1,397		19.8%	0	1,326	1,326		19.8%	0	1,468	1,468		19.8%	0	1,669	1,669	
21.0%	0	1,388	1,388		21.0%	0	1,326	1,326		21.0%	0	1,467	1,467		21.0%	0	1,668	1,668	
22.2%	0	1,378	1,378		22.2%	0	1,320	1,320		22.2%	0	1,466	1,466		22.2%	0	1,663	1,663	
23.5%	0	1,375	1,375		23.5%	0	1,311	1,311		23.5%	0	1,429	1,429		23.5%	0	1,658	1,658	
24.7%	0	1,369	1,369		24.7%	0	1,301	1,301		24.7%	0	1,425	1,425		24.7%	0	1,628	1,628	
25.9%	0	1,367	1,367		25.9%	0	1,280	1,280		25.9%	0	1,416	1,416		25.9%	0	1,594	1,594	
27.2%	0	1,365	1,365		27.2%	0	1,280	1,280		27.2%	0	1,403	1,403		27.2%	0	1,593	1,593	
28.4%	0	1,348	1,348		28.4%	0	1,276	1,276		28.4%	0	1,379	1,379		28.4%	0	1,585	1,585	
29.6%	0	1,340	1,340		29.6%	0	1,270	1,270		29.6%	0	1,363	1,363		29.6%	0	1,578	1,578	
30.9%	0	1,306	1,306		30.9%	0	1,270	1,270		30.9%	0	1,349	1,349		30.9%	0	1,567	1,567	
32.1%	0	1,295	1,295		32.1%	0	1,243	1,243		32.1%	0	1,338	1,338		32.1%	0	1,558	1,558	
33.3%	0	1,288	1,288		33.3%	0	1,227	1,227		33.3%	0	1,337	1,337		33.3%	0	1,544	1,544	
34.6%	0	1,269	1,269		34.6%	0	1,226	1,226		34.6%	0	1,329	1,329		34.6%	0	1,537	1,537	
35.8%	0	1,266	1,266		35.8%	0	1,205	1,205		35.8%	0	1,306	1,306		35.8%	0	1,519	1,519	
37.0%	0	1,256	1,256		37.0%	0	1,201	1,201		37.0%	0	1,299	1,299		37.0%	0	1,501	1,501	
38.3%	0	1,242	1,242		38.3%	0	1,194	1,194		38.3%	0	1,296	1,296		38.3%	0	1,494	1,494	
39.5%	0	1,225	1,225		39.5%	0	1,190	1,190		39.5%	0	1,288	1,288		39.5%	0	1,445	1,445	
40.7%	0	1,225	1,225		40.7%	0	1,178	1,178		40.7%	0	1,281	1,281		40.7%	0	1,437	1,437	
42.0%	0	1,223	1,223		42.0%	0	1,178	1,178		42.0%	0	1,280	1,280		42.0%	0	1,421	1,421	
43.2%	0	1,220	1,220		43.2%	0	1,171	1,171		43.2%	0	1,274	1,274		43.2%	0	1,410	1,410	
44.4%	0	1,199	1,199		44.4%	0	1,147	1,147		44.4%	0	1,256	1,256		44.4%	0	1,390	1,390	
45.7%	0	1,195	1,195		45.7%	0	1,145	1,145		45.7%	0	1,231	1,231		45.7%	0	1,386	1,386	
46.9%	0	1,195	1,195		46.9%	0	1,138	1,138		46.9%	0	1,216	1,216		46.9%	0	1,379	1,379	
48.1%	0	1,188	1,188		48.1%	0	1,136	1,136		48.1%	0	1,199	1,199		48.1%	0	1,354	1,354	
49.4%	0	1,165	1,165		49.4%	0	1,135	1,135		49.4%	0	1,196	1,196		49.4%	0	1,337	1,337	
50.6%	0	1,164	1,164		50.6%	0	1,101	1,101		50.6%	0	1,188	1,188		50.6%	0	1,325	1,325	
51.9%	0	1,152	1,152		51.9%	0	1,092	1,092		51.9%	0	1,183	1,183		51.9%	0	1,299	1,299	
53.1%	0	1,129	1,129		53.1%	0	1,081	1,081		53.1%	0	1,174	1,174		53.1%	0	1,296	1,296	
54.3%	0	1,126	1,126		54.3%	0	1,077	1,077		54.3%	0	1,163	1,163		54.3%	0	1,274	1,274	
55.6%	0	1,113	1,113		55.6%	0	1,054	1,054		55.6%	0	1,152	1,152		55.6%	0	1,257	1,257	
56.8%	0	1,105	1,105		56.8%	0	1,051	1,051		56.8%	0	1,148	1,148		56.8%	0	1,240	1,240	
58.0%	0	1,084	1,084		58.0%	0	1,041	1,041		58.0%	0	1,073	1,073		58.0%	0	1,236	1,236	
59.3%	0	1,079	1,079		59.3%	0	1,039	1,039		59.3%	0	1,067	1,067		59.3%	0	1,234	1,234	
60.5%	0	1,074	1,074		60.5%	0	1,034	1,034		60.5%	0	1,049	1,049		60.5%	0	1,215	1,215	
61.7%	0	1,057	1,057		61.7%	0	1,028	1,028		61.7%	0	1,031	1,031		61.7%	0	1,206	1,206	
63.0%	0	1,057	1,057		63.0%	0	1,027	1,027		63.0%	0	1,027	1,027		63.0%	0	1,198	1,198	
64.2%	0	1,039	1,039		64.2%	0	1,026	1,026		64.2%	0	1,013	1,013		64.2%	0	1,196	1,196	
65.4%	0	1,019	1,019		65.4%	0	1,002	1,002		65.4%	0	1,007	1,007		65.4%	0	1,130	1,130	
66.7%	0	1,005	1,005		66.7%	0	975	975		66.7%	0	993	993		66.7%	0	1,124	1,124	
67.9%	0	986	986		67.9%	0	959	959		67.9%	0	964	964		67.9%	0	1,123	1,123	
69.1%	0	971	971		69.1%	0	941	941		69.1%	0	953	953		69.1%	0	1,119	1,119	
70.4%	0	971	971		70.4%	0	940	940		70.4%	0	946	946		70.4%	0	1,031	1,031	
71.6%	0	957	957		71.6%	0	935	935		71.6%	0	944	944		71.6%	0	1,027	1,027	
72.8%	0	914	914		72.8%	0	870	870		72.8%	0	939	939		72.8%	0	1,013	1,013	
74.1%	0	903	903		74.1%	0	864	864		74.1%	0	868	868		74.1%	0	977	977	
75.3%	0	903	903		75.3%	0	826	826		75.3%	0	859	859		75.3%	0	953	953	
76.5%	0	764	764		76.5%	0	703	703		76.5%	0	788	788		76.5%	0	946	946	
77.8%	0	749	749		77.8%	0	678	678		77.8%	0	707	707		77.8%	0	927	927	
79.0%	0	745	745		79.0%	0	657	657		79.0%	0	680	680		79.0%	0	788	788	
80.2%	0	724	724		80.2%	0	627	627		80.2%	0	675	675		80.2%	0	675	675	
81.5%	0	658	658		81.5%	0	560	560		81.5%	0	649	649		81.5%	0	649	649	
82.7%	0	562	562		82.7%	0	460	460		82.7%	0	580	580		82.7%	0	634	634	
84.0%	0	390	390		84.0%	0	360	360		84.0%	0	431	431		84.0%	0	552	552	
85.2%	0	336	336		85.2%	0	349	349		85.2%	0	419	419		85.2%	0	540	540	
86.4%	0	298	298		86.4%	0	267	267		86.4%	0	330	330		86.4%	0	529	529	
87.7%	0	243	243		87.7%	0	248	248		87.7%	0	300	300		87.7%	0	440	440	
88.9%	0	243	243		88.9%	0	160	160		88.9%	0	281	281		88.9%	0	374	374	
90.1%	0	225	225		90.1%	0	155	155		90.1%	0	175	175		90.1%	0	356	356	
91.4%	0	174	174		91.4%	0	155	155		91.4%	0	171	171		91.4%	0	330	330	
92.6%	0	166	166		92.6%	0	143	143		92.6%	0	162	162		92.6%	0	327	327	
93.8%	0	130	130		93.8%	0	136	136		93.8%	0	147	147		93.8%	0	321	321	
95.1%	0	127	127		95.1%	0	128	128		95.1%	0	138	138		95.1%	0	281	281	
96.3%	0	124	124		96.3%	0	121	121		96.3%	0	122	122		96.3%	0	224	224	
97.5%	0	120	120		97.5%	0	121	121		97.5%	0	122	122		97.5%	0	131	131	
98.8%	0	120	120		98.8%	0	120	120		98.8%	0	120	120		98.8%	0	122	122	
100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120	

Table OP-09-7b
Sites Reservoir, End of Month Storage
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
1.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
2.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
3.7%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
4.9%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
6.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
7.4%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
8.6%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
9.9%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
11.1%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
12.3%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,807	1,807	
13.6%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
14.8%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
16.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
17.3%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
18.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
19.8%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
21.0%	0	1,806	1,806		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
22.2%	0	1,806	1,806		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
23.5%	0	1,806	1,806		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
24.7%	0	1,803	1,803		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
25.9%	0	1,796	1,796		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
27.2%	0	1,786	1,786		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
28.4%	0	1,780	1,780		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
29.6%	0	1,780	1,780		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
30.9%	0	1,763	1,763		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
32.1%	0	1,761	1,761		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
33.3%	0	1,717	1,717		0	1,810	1,810		0	1,810	1,810		0	1,801	1,801	
34.6%	0	1,697	1,697		0	1,810	1,810		0	1,810	1,810		0	1,774	1,774	
35.8%	0	1,683	1,683		0	1,810	1,810		0	1,810	1,810		0	1,773	1,773	
37.0%	0	1,681	1,681		0	1,806	1,806		0	1,806	1,806		0	1,772	1,772	
38.3%	0	1,672	1,672		0	1,806	1,806		0	1,806	1,806		0	1,772	1,772	
39.5%	0	1,657	1,657		0	1,806	1,806		0	1,795	1,795		0	1,772	1,772	
40.7%	0	1,638	1,638		0	1,779	1,779		0	1,791	1,791		0	1,772	1,772	
42.0%	0	1,625	1,625		0	1,778	1,778		0	1,778	1,778		0	1,768	1,768	
43.2%	0	1,605	1,605		0	1,769	1,769		0	1,778	1,778		0	1,753	1,753	
44.4%	0	1,580	1,580		0	1,757	1,757		0	1,778	1,778		0	1,745	1,745	
45.7%	0	1,526	1,526		0	1,739	1,739		0	1,765	1,765		0	1,740	1,740	
46.9%	0	1,515	1,515		0	1,722	1,722		0	1,757	1,757		0	1,727	1,727	
48.1%	0	1,488	1,488		0	1,700	1,700		0	1,722	1,722		0	1,712	1,712	
49.4%	0	1,473	1,473		0	1,683	1,683		0	1,712	1,712		0	1,710	1,710	
50.6%	0	1,471	1,471		0	1,667	1,667		0	1,668	1,668		0	1,661	1,661	
51.9%	0	1,467	1,467		0	1,666	1,666		0	1,666	1,666		0	1,659	1,659	
53.1%	0	1,448	1,448		0	1,661	1,661		0	1,650	1,650		0	1,589	1,589	
54.3%	0	1,448	1,448		0	1,657	1,657		0	1,594	1,594		0	1,570	1,570	
55.6%	0	1,432	1,432		0	1,627	1,627		0	1,594	1,594		0	1,556	1,556	
56.8%	0	1,420	1,420		0	1,625	1,625		0	1,589	1,589		0	1,552	1,552	
58.0%	0	1,383	1,383		0	1,605	1,605		0	1,573	1,573		0	1,524	1,524	
59.3%	0	1,379	1,379		0	1,566	1,566		0	1,562	1,562		0	1,524	1,524	
60.5%	0	1,375	1,375		0	1,562	1,562		0	1,558	1,558		0	1,520	1,520	
61.7%	0	1,340	1,340		0	1,554	1,554		0	1,530	1,530		0	1,459	1,459	
63.0%	0	1,337	1,337		0	1,531	1,531		0	1,515	1,515		0	1,450	1,450	
64.2%	0	1,336	1,336		0	1,526	1,526		0	1,478	1,478		0	1,433	1,433	
65.4%	0	1,333	1,333		0	1,505	1,505		0	1,470	1,470		0	1,418	1,418	
66.7%	0	1,306	1,306		0	1,464	1,464		0	1,416	1,416		0	1,411	1,411	
67.9%	0	1,240	1,240		0	1,463	1,463		0	1,416	1,416		0	1,411	1,411	
69.1%	0	1,234	1,234		0	1,416	1,416		0	1,416	1,416		0	1,391	1,391	
70.4%	0	1,229	1,229		0	1,416	1,416		0	1,388	1,388		0	1,380	1,380	
71.6%	0	1,209	1,209		0	1,398	1,398		0	1,382	1,382		0	1,373	1,373	
72.8%	0	1,202	1,202		0	1,359	1,359		0	1,370	1,370		0	1,344	1,344	
74.1%	0	1,170	1,170		0	1,337	1,337		0	1,327	1,327		0	1,333	1,333	
75.3%	0	1,162	1,162		0	1,219	1,219		0	1,311	1,311		0	1,291	1,291	
76.5%	0	1,137	1,137		0	1,211	1,211		0	1,274	1,274		0	1,257	1,257	
77.8%	0	914	914		0	1,148	1,148		0	1,262	1,262		0	1,214	1,214	
79.0%	0	891	891		0	1,145	1,145		0	1,248	1,248		0	1,193	1,193	
80.2%	0	866	866		0	1,141	1,141		0	1,211	1,211		0	1,174	1,174	
81.5%	0	859	859		0	1,070	1,070		0	1,033	1,033		0	1,151	1,151	
82.7%	0	781	781		0	1,065	1,065		0	1,032	1,032		0	923	923	
84.0%	0	704	704		0	886	886		0	916	916		0	874	874	
85.2%	0	665	665		0	844	844		0	878	878		0	870	870	
86.4%	0	636	636		0	678	678		0	874	874		0	759	759	
87.7%	0	573	573		0	636	636		0	761	761		0	730	730	
88.9%	0	540	540		0	612	612		0	632	632		0	535	535	
90.1%	0	506	506		0	577	577		0	540	540		0	477	477	
91.4%	0	458	458		0	549	549		0	540	540		0	477	477	
92.6%	0	456	456		0	544	544		0	539	539		0	464	464	
93.8%	0	384	384		0	540	540		0	501	501		0	456	456	
95.1%	0	302	302		0	480	480		0	480	480		0	376	376	
96.3%	0	285	285		0	424	424		0	451	451		0	350	350	
97.5%	0	247	247		0	366	366		0	296	296		0	294	294	
98.8%	0	131	131		0	285	285		0	259	259		0	257	257	
100.0%	0	120	120		0	259	259		0	178	178		0	144	144	

Table OP-09-7b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810	
1.2%	0	1,809	1,809		1.2%	0	1,799	1,799		1.2%	0	1,808	1,808		1.2%	0	1,810	1,810	
2.5%	0	1,803	1,803		2.5%	0	1,799	1,799		2.5%	0	1,794	1,794		2.5%	0	1,772	1,772	
3.7%	0	1,803	1,803		3.7%	0	1,768	1,768		3.7%	0	1,782	1,782		3.7%	0	1,734	1,734	
4.9%	0	1,803	1,803		4.9%	0	1,761	1,761		4.9%	0	1,759	1,759		4.9%	0	1,710	1,710	
6.2%	0	1,803	1,803		6.2%	0	1,749	1,749		6.2%	0	1,759	1,759		6.2%	0	1,690	1,690	
7.4%	0	1,803	1,803		7.4%	0	1,736	1,736		7.4%	0	1,734	1,734		7.4%	0	1,668	1,668	
8.6%	0	1,803	1,803		8.6%	0	1,734	1,734		8.6%	0	1,728	1,728		8.6%	0	1,607	1,607	
9.9%	0	1,801	1,801		9.9%	0	1,729	1,729		9.9%	0	1,689	1,689		9.9%	0	1,591	1,591	
11.1%	0	1,797	1,797		11.1%	0	1,710	1,710		11.1%	0	1,669	1,669		11.1%	0	1,549	1,549	
12.3%	0	1,797	1,797		12.3%	0	1,701	1,701		12.3%	0	1,666	1,666		12.3%	0	1,541	1,541	
13.6%	0	1,797	1,797		13.6%	0	1,689	1,689		13.6%	0	1,661	1,661		13.6%	0	1,540	1,540	
14.8%	0	1,797	1,797		14.8%	0	1,688	1,688		14.8%	0	1,623	1,623		14.8%	0	1,497	1,497	
16.0%	0	1,795	1,795		16.0%	0	1,683	1,683		16.0%	0	1,618	1,618		16.0%	0	1,493	1,493	
17.3%	0	1,791	1,791		17.3%	0	1,680	1,680		17.3%	0	1,600	1,600		17.3%	0	1,481	1,481	
18.5%	0	1,791	1,791		18.5%	0	1,663	1,663		18.5%	0	1,598	1,598		18.5%	0	1,475	1,475	
19.8%	0	1,788	1,788		19.8%	0	1,657	1,657		19.8%	0	1,586	1,586		19.8%	0	1,462	1,462	
21.0%	0	1,786	1,786		21.0%	0	1,645	1,645		21.0%	0	1,578	1,578		21.0%	0	1,459	1,459	
22.2%	0	1,780	1,780		22.2%	0	1,640	1,640		22.2%	0	1,553	1,553		22.2%	0	1,437	1,437	
23.5%	0	1,774	1,774		23.5%	0	1,627	1,627		23.5%	0	1,544	1,544		23.5%	0	1,431	1,431	
24.7%	0	1,772	1,772		24.7%	0	1,596	1,596		24.7%	0	1,542	1,542		24.7%	0	1,430	1,430	
25.9%	0	1,768	1,768		25.9%	0	1,594	1,594		25.9%	0	1,540	1,540		25.9%	0	1,429	1,429	
27.2%	0	1,763	1,763		27.2%	0	1,590	1,590		27.2%	0	1,526	1,526		27.2%	0	1,422	1,422	
28.4%	0	1,744	1,744		28.4%	0	1,586	1,586		28.4%	0	1,524	1,524		28.4%	0	1,418	1,418	
29.6%	0	1,742	1,742		29.6%	0	1,580	1,580		29.6%	0	1,518	1,518		29.6%	0	1,409	1,409	
30.9%	0	1,718	1,718		30.9%	0	1,574	1,574		30.9%	0	1,504	1,504		30.9%	0	1,393	1,393	
32.1%	0	1,700	1,700		32.1%	0	1,570	1,570		32.1%	0	1,454	1,454		32.1%	0	1,382	1,382	
33.3%	0	1,686	1,686		33.3%	0	1,564	1,564		33.3%	0	1,432	1,432		33.3%	0	1,345	1,345	
34.6%	0	1,684	1,684		34.6%	0	1,558	1,558		34.6%	0	1,432	1,432		34.6%	0	1,343	1,343	
35.8%	0	1,684	1,684		35.8%	0	1,554	1,554		35.8%	0	1,426	1,426		35.8%	0	1,339	1,339	
37.0%	0	1,677	1,677		37.0%	0	1,554	1,554		37.0%	0	1,419	1,419		37.0%	0	1,338	1,338	
38.3%	0	1,657	1,657		38.3%	0	1,544	1,544		38.3%	0	1,414	1,414		38.3%	0	1,322	1,322	
39.5%	0	1,655	1,655		39.5%	0	1,507	1,507		39.5%	0	1,411	1,411		39.5%	0	1,320	1,320	
40.7%	0	1,655	1,655		40.7%	0	1,507	1,507		40.7%	0	1,394	1,394		40.7%	0	1,314	1,314	
42.0%	0	1,654	1,654		42.0%	0	1,497	1,497		42.0%	0	1,392	1,392		42.0%	0	1,310	1,310	
43.2%	0	1,650	1,650		43.2%	0	1,472	1,472		43.2%	0	1,380	1,380		43.2%	0	1,283	1,283	
44.4%	0	1,650	1,650		44.4%	0	1,467	1,467		44.4%	0	1,366	1,366		44.4%	0	1,276	1,276	
45.7%	0	1,623	1,623		45.7%	0	1,455	1,455		45.7%	0	1,347	1,347		45.7%	0	1,274	1,274	
46.9%	0	1,617	1,617		46.9%	0	1,454	1,454		46.9%	0	1,320	1,320		46.9%	0	1,274	1,274	
48.1%	0	1,605	1,605		48.1%	0	1,444	1,444		48.1%	0	1,313	1,313		48.1%	0	1,258	1,258	
49.4%	0	1,600	1,600		49.4%	0	1,440	1,440		49.4%	0	1,305	1,305		49.4%	0	1,251	1,251	
50.6%	0	1,600	1,600		50.6%	0	1,437	1,437		50.6%	0	1,300	1,300		50.6%	0	1,233	1,233	
51.9%	0	1,579	1,579		51.9%	0	1,432	1,432		51.9%	0	1,299	1,299		51.9%	0	1,228	1,228	
53.1%	0	1,561	1,561		53.1%	0	1,414	1,414		53.1%	0	1,295	1,295		53.1%	0	1,228	1,228	
54.3%	0	1,541	1,541		54.3%	0	1,401	1,401		54.3%	0	1,293	1,293		54.3%	0	1,226	1,226	
55.6%	0	1,511	1,511		55.6%	0	1,400	1,400		55.6%	0	1,288	1,288		55.6%	0	1,206	1,206	
56.8%	0	1,507	1,507		56.8%	0	1,393	1,393		56.8%	0	1,284	1,284		56.8%	0	1,168	1,168	
58.0%	0	1,442	1,442		58.0%	0	1,387	1,387		58.0%	0	1,283	1,283		58.0%	0	1,165	1,165	
59.3%	0	1,441	1,441		59.3%	0	1,330	1,330		59.3%	0	1,199	1,199		59.3%	0	1,162	1,162	
60.5%	0	1,409	1,409		60.5%	0	1,328	1,328		60.5%	0	1,191	1,191		60.5%	0	1,117	1,117	
61.7%	0	1,402	1,402		61.7%	0	1,315	1,315		61.7%	0	1,173	1,173		61.7%	0	1,112	1,112	
63.0%	0	1,396	1,396		63.0%	0	1,299	1,299		63.0%	0	1,154	1,154		63.0%	0	1,096	1,096	
64.2%	0	1,371	1,371		64.2%	0	1,273	1,273		64.2%	0	1,149	1,149		64.2%	0	1,092	1,092	
65.4%	0	1,350	1,350		65.4%	0	1,240	1,240		65.4%	0	1,146	1,146		65.4%	0	1,079	1,079	
66.7%	0	1,348	1,348		66.7%	0	1,230	1,230		66.7%	0	1,138	1,138		66.7%	0	1,071	1,071	
67.9%	0	1,341	1,341		67.9%	0	1,211	1,211		67.9%	0	1,111	1,111		67.9%	0	1,024	1,024	
69.1%	0	1,337	1,337		69.1%	0	1,197	1,197		69.1%	0	1,097	1,097		69.1%	0	1,020	1,020	
70.4%	0	1,336	1,336		70.4%	0	1,158	1,158		70.4%	0	1,077	1,077		70.4%	0	1,003	1,003	
71.6%	0	1,324	1,324		71.6%	0	1,155	1,155		71.6%	0	1,057	1,057		71.6%	0	990	990	
72.8%	0	1,282	1,282		72.8%	0	1,150	1,150		72.8%	0	1,056	1,056		72.8%	0	971	971	
74.1%	0	1,248	1,248		74.1%	0	1,143	1,143		74.1%	0	1,036	1,036		74.1%	0	962	962	
75.3%	0	1,236	1,236		75.3%	0	1,135	1,135		75.3%	0	1,011	1,011		75.3%	0	942	942	
76.5%	0	1,230	1,230		76.5%	0	1,096	1,096		76.5%	0	974	974		76.5%	0	864	864	
77.8%	0	1,216	1,216		77.8%	0	1,055	1,055		77.8%	0	955	955		77.8%	0	845	845	
79.0%	0	1,205	1,205		79.0%	0	1,050	1,050		79.0%	0	931	931		79.0%	0	842	842	
80.2%	0	1,136	1,136		80.2%	0	1,019	1,019		80.2%	0	894	894		80.2%	0	797	797	
81.5%	0	965	965		81.5%	0	872	872		81.5%	0	834	834		81.5%	0	780	780	
82.7%	0	888	888		82.7%	0	847	847		82.7%	0	748	748		82.7%	0	655	655	
84.0%	0	776	776		84.0%	0	674	674		84.0%	0	576	576		84.0%	0	483	483	
85.2%	0	773	773		85.2%	0	587	587		85.2%	0	490	490		85.2%	0	419	419	
86.4%	0	618	618		86.4%	0	525	525		86.4%	0	428	428		86.4%	0	336	336	
87.7%	0	607	607		87.7%	0	520	520		87.7%	0	423	423		87.7%	0	336	336	
88.9%	0	531	531		88.9%	0	472	472		88.9%	0	375	375		88.9%	0	331	331	
90.1%	0	473	473		90.1%	0	467	467		90.1%	0	371	371		90.1%	0	317	317	
91.4%	0	460	460		91.4%	0	455	455		91.4%	0	358	358		91.4%	0	267	267	
92.6%	0	452	452		92.6%	0	447	447		92.6%	0	351	351		92.6%	0	259	259	
93.8%	0	384	384		93.8%	0	287	287		93.8%	0	191	191		93.8%	0	157	157	
95.1%	0	290	290		95.1%	0	250	250		95.1%	0	155	155		95.1%	0	142	142	
96.3%	0	256	256		96.3%	0	221	221		96.3%	0	132	132		96.3%	0	132	132	
97.5%	0	254	254		97.5%	0	160	160		97.5%	0	129	129		97.5%	0	128	128	
98.8%	0	179	179		98.8%	0	120	120		98.8%	0	126	126		98.8%	0	124	124	
100.0%	0	142	142		100.0%	0	120	120		100.0%	0	120	120		100.0%	0	120	120	

Table OP-10-7a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	454	450	457	470	481	491	491	489	484	475	468	461
Difference	454	450	457	470	481	491	491	489	484	475	468	461
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	492	486	495	503	512	518	519	519	517	508	505	498
Difference	492	486	495	503	512	518	519	519	517	508	505	498
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	478	474	484	472	490	504	509	510	507	497	490	483
Difference	478	474	484	472	490	504	509	510	507	497	490	483
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	461	458	463	465	476	490	494	493	488	480	470	465
Difference	461	458	463	465	476	490	494	493	488	480	470	465
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	431	427	431	460	472	484	482	476	467	457	446	438
Difference	431	427	431	460	472	484	482	476	467	457	446	438
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	379	375	381	418	425	433	425	418	411	404	394	387
Difference	379	375	381	418	425	433	425	418	411	404	394	387
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-10-7b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

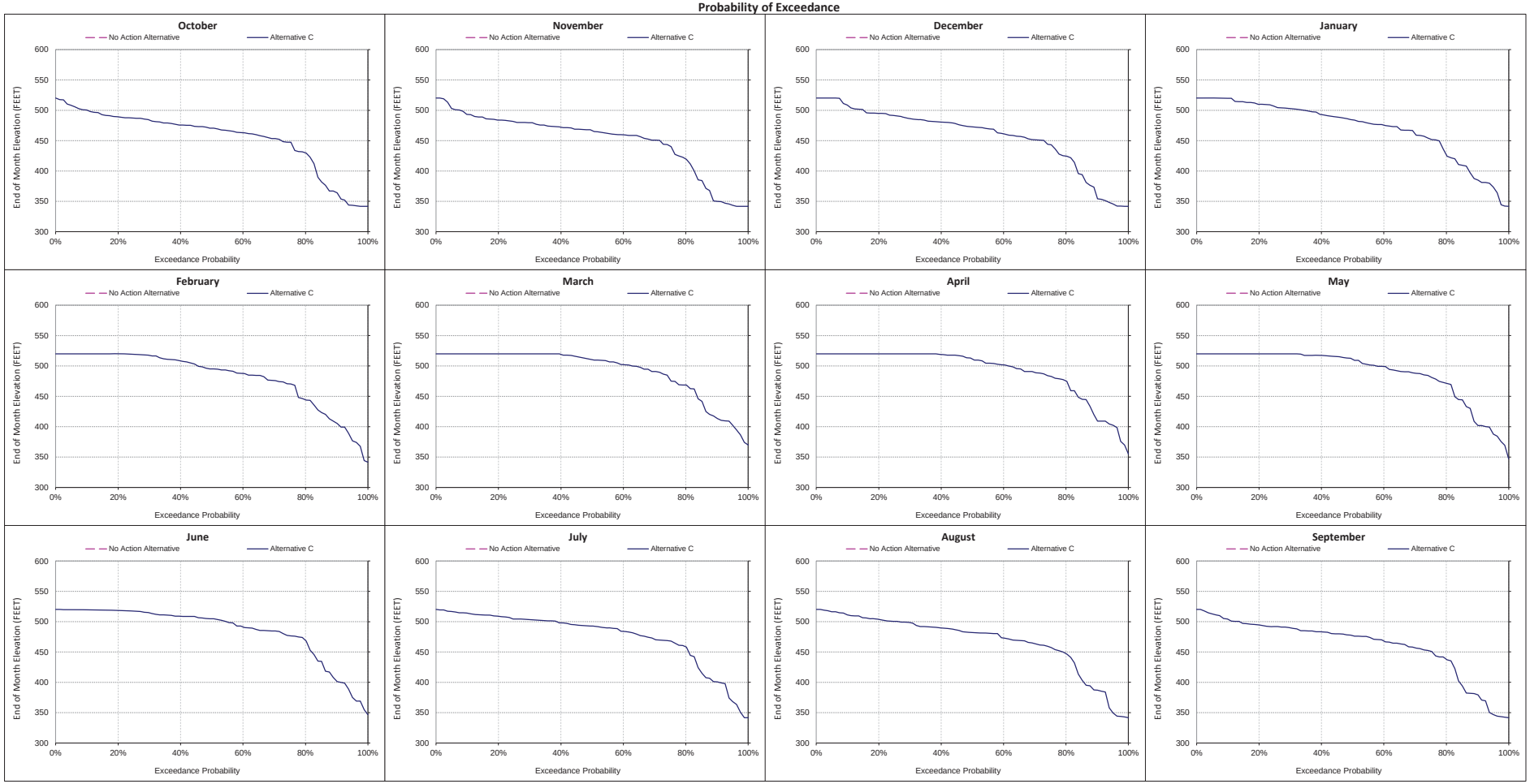

Table OP-10-7b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	October				November				December				January			
	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	518	518		0	520	520		0	520	520		0	520	520	
2.5%	0	517	517		0	519	519		0	520	520		0	520	520	
3.7%	0	510	510		0	514	514		0	520	520		0	520	520	
4.9%	0	508	508		0	503	503		0	520	520		0	520	520	
6.2%	0	506	506		0	501	501		0	520	520		0	520	520	
7.4%	0	503	503		0	500	500		0	520	520		0	520	520	
8.6%	0	501	501		0	498	498		0	511	511		0	520	520	
9.9%	0	501	501		0	493	493		0	509	509		0	520	520	
11.1%	0	498	498		0	493	493		0	504	504		0	520	520	
12.3%	0	497	497		0	490	490		0	502	502		0	515	515	
13.6%	0	496	496		0	489	489		0	502	502		0	514	514	
14.8%	0	493	493		0	489	489		0	502	502		0	514	514	
16.0%	0	492	492		0	486	486		0	496	496		0	513	513	
17.3%	0	491	491		0	485	485		0	495	495		0	513	513	
18.5%	0	490	490		0	485	485		0	495	495		0	512	512	
19.8%	0	489	489		0	484	484		0	495	495		0	510	510	
21.0%	0	489	489		0	484	484		0	495	495		0	510	510	
22.2%	0	488	488		0	483	483		0	495	495		0	509	509	
23.5%	0	488	488		0	483	483		0	492	492		0	509	509	
24.7%	0	487	487		0	482	482		0	492	492		0	507	507	
25.9%	0	487	487		0	480	480		0	491	491		0	504	504	
27.2%	0	487	487		0	480	480		0	490	490		0	504	504	
28.4%	0	486	486		0	480	480		0	488	488		0	504	504	
29.6%	0	485	485		0	479	479		0	487	487		0	503	503	
30.9%	0	482	482		0	479	479		0	486	486		0	502	502	
32.1%	0	481	481		0	477	477		0	485	485		0	502	502	
33.3%	0	481	481		0	476	476		0	485	485		0	501	501	
34.6%	0	479	479		0	476	476		0	484	484		0	500	500	
35.8%	0	479	479		0	474	474		0	482	482		0	499	499	
37.0%	0	478	478		0	474	474		0	482	482		0	497	497	
38.3%	0	477	477		0	473	473		0	481	481		0	497	497	
39.5%	0	476	476		0	473	473		0	481	481		0	493	493	
40.7%	0	476	476		0	472	472		0	480	480		0	492	492	
42.0%	0	475	475		0	472	472		0	480	480		0	491	491	
43.2%	0	475	475		0	471	471		0	480	480		0	490	490	
44.4%	0	473	473		0	469	469		0	478	478		0	489	489	
45.7%	0	473	473		0	469	469		0	476	476		0	489	489	
46.9%	0	473	473		0	468	468		0	475	475		0	488	488	
48.1%	0	472	472		0	468	468		0	473	473		0	486	486	
49.4%	0	471	471		0	468	468		0	473	473		0	485	485	
50.6%	0	470	470		0	465	465		0	472	472		0	484	484	
51.9%	0	469	469		0	464	464		0	472	472		0	482	482	
53.1%	0	467	467		0	463	463		0	471	471		0	481	481	
54.3%	0	467	467		0	463	463		0	470	470		0	480	480	
55.6%	0	466	466		0	461	461		0	469	469		0	478	478	
56.8%	0	465	465		0	461	461		0	469	469		0	477	477	
58.0%	0	464	464		0	460	460		0	463	463		0	477	477	
59.3%	0	463	463		0	460	460		0	462	462		0	476	476	
60.5%	0	463	463		0	459	459		0	461	461		0	475	475	
61.7%	0	461	461		0	459	459		0	459	459		0	474	474	
63.0%	0	461	461		0	459	459		0	459	459		0	473	473	
64.2%	0	460	460		0	459	459		0	457	457		0	473	473	
65.4%	0	458	458		0	456	456		0	457	457		0	468	468	
66.7%	0	457	457		0	454	454		0	456	456		0	467	467	
67.9%	0	455	455		0	453	453		0	453	453		0	467	467	
69.1%	0	454	454		0	451	451		0	452	452		0	467	467	
70.4%	0	454	454		0	451	451		0	451	451		0	459	459	
71.6%	0	452	452		0	450	450		0	451	451		0	459	459	
72.8%	0	448	448		0	444	444		0	451	451		0	457	457	
74.1%	0	447	447		0	444	444		0	444	444		0	454	454	
75.3%	0	447	447		0	440	440		0	443	443		0	452	452	
76.5%	0	434	434		0	427	427		0	436	436		0	451	451	
77.8%	0	432	432		0	425	425		0	428	428		0	450	450	
79.0%	0	432	432		0	423	423		0	425	425		0	436	436	
80.2%	0	430	430		0	419	419		0	424	424		0	424	424	
81.5%	0	423	423		0	412	412		0	422	422		0	422	422	
82.7%	0	412	412		0	400	400		0	414	414		0	420	420	
84.0%	0	390	390		0	385	385		0	396	396		0	411	411	
85.2%	0	382	382		0	384	384		0	394	394		0	409	409	
86.4%	0	376	376		0	371	371		0	381	381		0	408	408	
87.7%	0	367	367		0	368	368		0	376	376		0	397	397	
88.9%	0	367	367		0	351	351		0	373	373		0	388	388	
90.1%	0	364	364		0	350	350		0	354	354		0	385	385	
91.4%	0	354	354		0	350	350		0	353	353		0	381	381	
92.6%	0	352	352		0	347	347		0	351	351		0	381	381	
93.8%	0	344	344		0	345	345		0	348	348		0	380	380	
95.1%	0	343	343		0	344	344		0	346	346		0	373	373	
96.3%	0	343	343		0	342	342		0	342	342		0	364	364	
97.5%	0	342	342		0	342	342		0	342	342		0	344	344	
98.8%	0	342	342		0	342	342		0	342	342		0	342	342	
100.0%	0	342	342		0	342	342		0	342	342		0	342	342	

Table OP-10-7b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	520	520		0	520	520		0	520	520		0	520	520	
2.5%	0	520	520		0	520	520		0	520	520		0	520	520	
3.7%	0	520	520		0	520	520		0	520	520		0	520	520	
4.9%	0	520	520		0	520	520		0	520	520		0	520	520	
6.2%	0	520	520		0	520	520		0	520	520		0	520	520	
7.4%	0	520	520		0	520	520		0	520	520		0	520	520	
8.6%	0	520	520		0	520	520		0	520	520		0	520	520	
9.9%	0	520	520		0	520	520		0	520	520		0	520	520	
11.1%	0	520	520		0	520	520		0	520	520		0	520	520	
12.3%	0	520	520		0	520	520		0	520	520		0	520	520	
13.6%	0	520	520		0	520	520		0	520	520		0	520	520	
14.8%	0	520	520		0	520	520		0	520	520		0	520	520	
16.0%	0	520	520		0	520	520		0	520	520		0	520	520	
17.3%	0	520	520		0	520	520		0	520	520		0	520	520	
18.5%	0	520	520		0	520	520		0	520	520		0	520	520	
19.8%	0	520	520		0	520	520		0	520	520		0	520	520	
21.0%	0	520	520		0	520	520		0	520	520		0	520	520	
22.2%	0	520	520		0	520	520		0	520	520		0	520	520	
23.5%	0	520	520		0	520	520		0	520	520		0	520	520	
24.7%	0	520	520		0	520	520		0	520	520		0	520	520	
25.9%	0	519	519		0	520	520		0	520	520		0	520	520	
27.2%	0	518	518		0	520	520		0	520	520		0	520	520	
28.4%	0	518	518		0	520	520		0	520	520		0	520	520	
29.6%	0	518	518		0	520	520		0	520	520		0	520	520	
30.9%	0	517	517		0	520	520		0	520	520		0	520	520	
32.1%	0	517	517		0	520	520		0	520	520		0	520	520	
33.3%	0	513	513		0	520	520		0	520	520		0	519	519	
34.6%	0	512	512		0	520	520		0	520	520		0	518	518	
35.8%	0	511	511		0	520	520		0	520	520		0	517	517	
37.0%	0	511	511		0	520	520		0	520	520		0	517	517	
38.3%	0	510	510		0	520	520		0	520	520		0	517	517	
39.5%	0	509	509		0	520	520		0	519	519		0	517	517	
40.7%	0	508	508		0	518	518		0	519	519		0	517	517	
42.0%	0	507	507		0	518	518		0	518	518		0	517	517	
43.2%	0	505	505		0	517	517		0	518	518		0	516	516	
44.4%	0	503	503		0	516	516		0	518	518		0	515	515	
45.7%	0	499	499		0	515	515		0	517	517		0	515	515	
46.9%	0	499	499		0	514	514		0	516	516		0	514	514	
48.1%	0	496	496		0	512	512		0	514	514		0	513	513	
49.4%	0	495	495		0	511	511		0	513	513		0	513	513	
50.6%	0	495	495		0	510	510		0	510	510		0	509	509	
51.9%	0	495	495		0	510	510		0	510	510		0	509	509	
53.1%	0	493	493		0	509	509		0	508	508		0	504	504	
54.3%	0	493	493		0	509	509		0	504	504		0	503	503	
55.6%	0	492	492		0	507	507		0	504	504		0	502	502	
56.8%	0	491	491		0	507	507		0	504	504		0	501	501	
58.0%	0	488	488		0	505	505		0	503	503		0	499	499	
59.3%	0	488	488		0	502	502		0	502	502		0	499	499	
60.5%	0	488	488		0	502	502		0	502	502		0	499	499	
61.7%	0	485	485		0	502	502		0	500	500		0	494	494	
63.0%	0	485	485		0	500	500		0	499	499		0	494	494	
64.2%	0	485	485		0	499	499		0	496	496		0	492	492	
65.4%	0	484	484		0	498	498		0	495	495		0	491	491	
66.7%	0	482	482		0	495	495		0	491	491		0	490	490	
67.9%	0	477	477		0	495	495		0	491	491		0	490	490	
69.1%	0	476	476		0	491	491		0	491	491		0	489	489	
70.4%	0	476	476		0	491	491		0	489	489		0	488	488	
71.6%	0	474	474		0	489	489		0	488	488		0	487	487	
72.8%	0	474	474		0	486	486		0	487	487		0	485	485	
74.1%	0	471	471		0	485	485		0	484	484		0	484	484	
75.3%	0	470	470		0	475	475		0	483	483		0	481	481	
76.5%	0	468	468		0	474	474		0	480	480		0	478	478	
77.8%	0	448	448		0	469	469		0	479	479		0	475	475	
79.0%	0	446	446		0	469	469		0	478	478		0	473	473	
80.2%	0	444	444		0	468	468		0	474	474		0	471	471	
81.5%	0	443	443		0	462	462		0	459	459		0	469	469	
82.7%	0	436	436		0	462	462		0	459	459		0	449	449	
84.0%	0	428	428		0	446	446		0	448	448		0	445	445	
85.2%	0	423	423		0	442	442		0	445	445		0	444	444	
86.4%	0	420	420		0	425	425		0	445	445		0	433	433	
87.7%	0	413	413		0	420	420		0	433	433		0	430	430	
88.9%	0	409	409		0	418	418		0	420	420		0	409	409	
90.1%	0	405	405		0	414	414		0	409	409		0	402	402	
91.4%	0	399	399		0	410	410		0	409	409		0	402	402	
92.6%	0	399	399		0	410	410		0	409	409		0	400	400	
93.8%	0	389	389		0	409	409		0	405	405		0	399	399	
95.1%	0	377	377		0	402	402		0	402	402		0	388	388	
96.3%	0	374	374		0	395	395		0	398	398		0	384	384	
97.5%	0	368	368		0	386	386		0	376	376		0	375	375	
98.8%	0	344	344		0	374	374		0	370	370		0	369	369	
100.0%	0	342	342		0	370	370		0	355	355		0	347	347	

Table OP-10-7b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	520	520		0	519	519		0	520	520		0	520	520	
2.5%	0	520	520		0	519	519		0	519	519		0	517	517	
3.7%	0	520	520		0	517	517		0	518	518		0	515	515	
4.9%	0	520	520		0	517	517		0	516	516		0	513	513	
6.2%	0	520	520		0	516	516		0	516	516		0	511	511	
7.4%	0	520	520		0	515	515		0	515	515		0	510	510	
8.6%	0	520	520		0	515	515		0	514	514		0	505	505	
9.9%	0	519	519		0	514	514		0	511	511		0	504	504	
11.1%	0	519	519		0	513	513		0	510	510		0	501	501	
12.3%	0	519	519		0	512	512		0	510	510		0	501	501	
13.6%	0	519	519		0	511	511		0	509	509		0	500	500	
14.8%	0	519	519		0	511	511		0	507	507		0	497	497	
16.0%	0	519	519		0	511	511		0	506	506		0	497	497	
17.3%	0	519	519		0	511	511		0	505	505		0	496	496	
18.5%	0	519	519		0	509	509		0	505	505		0	495	495	
19.8%	0	519	519		0	509	509		0	504	504		0	494	494	
21.0%	0	518	518		0	508	508		0	503	503		0	494	494	
22.2%	0	518	518		0	508	508		0	501	501		0	492	492	
23.5%	0	518	518		0	507	507		0	501	501		0	492	492	
24.7%	0	517	517		0	505	505		0	501	501		0	492	492	
25.9%	0	517	517		0	504	504		0	500	500		0	492	492	
27.2%	0	517	517		0	504	504		0	499	499		0	491	491	
28.4%	0	515	515		0	504	504		0	499	499		0	491	491	
29.6%	0	515	515		0	503	503		0	499	499		0	490	490	
30.9%	0	513	513		0	503	503		0	498	498		0	489	489	
32.1%	0	512	512		0	503	503		0	494	494		0	488	488	
33.3%	0	511	511		0	502	502		0	492	492		0	485	485	
34.6%	0	511	511		0	502	502		0	492	492		0	485	485	
35.8%	0	511	511		0	502	502		0	492	492		0	485	485	
37.0%	0	510	510		0	501	501		0	491	491		0	485	485	
38.3%	0	509	509		0	501	501		0	491	491		0	483	483	
39.5%	0	509	509		0	498	498		0	490	490		0	483	483	
40.7%	0	509	509		0	498	498		0	489	489		0	483	483	
42.0%	0	509	509		0	497	497		0	489	489		0	483	483	
43.2%	0	509	509		0	495	495		0	488	488		0	480	480	
44.4%	0	508	508		0	495	495		0	487	487		0	480	480	
45.7%	0	507	507		0	494	494		0	485	485		0	480	480	
46.9%	0	506	506		0	494	494		0	483	483		0	480	480	
48.1%	0	505	505		0	493	493		0	483	483		0	478	478	
49.4%	0	505	505		0	493	493		0	482	482		0	478	478	
50.6%	0	505	505		0	493	493		0	482	482		0	476	476	
51.9%	0	503	503		0	492	492		0	482	482		0	476	476	
53.1%	0	502	502		0	491	491		0	481	481		0	476	476	
54.3%	0	501	501		0	490	490		0	481	481		0	476	476	
55.6%	0	498	498		0	490	490		0	481	481		0	474	474	
56.8%	0	498	498		0	489	489		0	481	481		0	471	471	
58.0%	0	493	493		0	489	489		0	480	480		0	471	471	
59.3%	0	493	493		0	484	484		0	473	473		0	470	470	
60.5%	0	490	490		0	484	484		0	473	473		0	467	467	
61.7%	0	490	490		0	483	483		0	471	471		0	466	466	
63.0%	0	489	489		0	482	482		0	470	470		0	465	465	
64.2%	0	487	487		0	480	480		0	469	469		0	464	464	
65.4%	0	486	486		0	477	477		0	469	469		0	463	463	
66.7%	0	486	486		0	476	476		0	468	468		0	463	463	
67.9%	0	485	485		0	474	474		0	466	466		0	459	459	
69.1%	0	485	485		0	473	473		0	465	465		0	458	458	
70.4%	0	485	485		0	470	470		0	463	463		0	457	457	
71.6%	0	484	484		0	470	470		0	461	461		0	455	455	
72.8%	0	480	480		0	469	469		0	461	461		0	454	454	
74.1%	0	478	478		0	469	469		0	460	460		0	453	453	
75.3%	0	477	477		0	468	468		0	457	457		0	451	451	
76.5%	0	476	476		0	465	465		0	454	454		0	444	444	
77.8%	0	475	475		0	461	461		0	452	452		0	442	442	
79.0%	0	474	474		0	461	461		0	450	450		0	442	442	
80.2%	0	468	468		0	458	458		0	446	446		0	437	437	
81.5%	0	453	453		0	444	444		0	441	441		0	435	435	
82.7%	0	446	446		0	442	442		0	432	432		0	422	422	
84.0%	0	435	435		0	424	424		0	413	413		0	403	403	
85.2%	0	435	435		0	415	415		0	403	403		0	394	394	
86.4%	0	418	418		0	407	407		0	395	395		0	382	382	
87.7%	0	417	417		0	407	407		0	394	394		0	382	382	
88.9%	0	408	408		0	401	401		0	388	388		0	381	381	
90.1%	0	401	401		0	401	401		0	387	387		0	379	379	
91.4%	0	400	400		0	399	399		0	385	385		0	371	371	
92.6%	0	399	399		0	398	398		0	384	384		0	370	370	
93.8%	0	389	389		0	374	374		0	358	358		0	350	350	
95.1%	0	375	375		0	368	368		0	350	350		0	347	347	
96.3%	0	369	369		0	363	363		0	344	344		0	344	344	
97.5%	0	369	369		0	351	351		0	344	344		0	343	343	
98.8%	0	355	355		0	342	342		0	343	343		0	343	343	
100.0%	0	347	347		0	342	342		0	342	342		0	342	342	

Table OP-11-7a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	10,811	10,585	10,942	11,605	12,172	12,694	12,699	12,572	12,336	11,889	11,489	11,141
Difference	10,811	10,585	10,942	11,605	12,172	12,694	12,699	12,572	12,336	11,889	11,489	11,141
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	12,848	12,606	13,003	13,341	13,782	14,024	14,082	14,088	14,008	13,595	13,457	13,128
Difference	12,848	12,606	13,003	13,341	13,782	14,024	14,082	14,088	14,008	13,595	13,457	13,128
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	12,189	11,974	12,478	11,765	12,662	13,396	13,615	13,678	13,552	13,122	12,792	12,445
Difference	12,189	11,974	12,478	11,765	12,662	13,396	13,615	13,678	13,552	13,122	12,792	12,445
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	11,317	11,139	11,370	11,404	11,999	12,699	12,909	12,884	12,674	12,240	11,760	11,525
Difference	11,317	11,139	11,370	11,404	11,999	12,699	12,909	12,884	12,674	12,240	11,760	11,525
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	9,527	9,310	9,543	11,107	11,731	12,347	12,296	11,960	11,526	10,994	10,380	9,972
Difference	9,527	9,310	9,543	11,107	11,731	12,347	12,296	11,960	11,526	10,994	10,380	9,972
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	6,355	6,085	6,541	8,663	9,059	9,626	9,146	8,737	8,321	7,893	7,266	6,841
Difference	6,355	6,085	6,541	8,663	9,059	9,626	9,146	8,737	8,321	7,893	7,266	6,841
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-7b
Sites Reservoir, End of Month Area
Probability of Exceedance

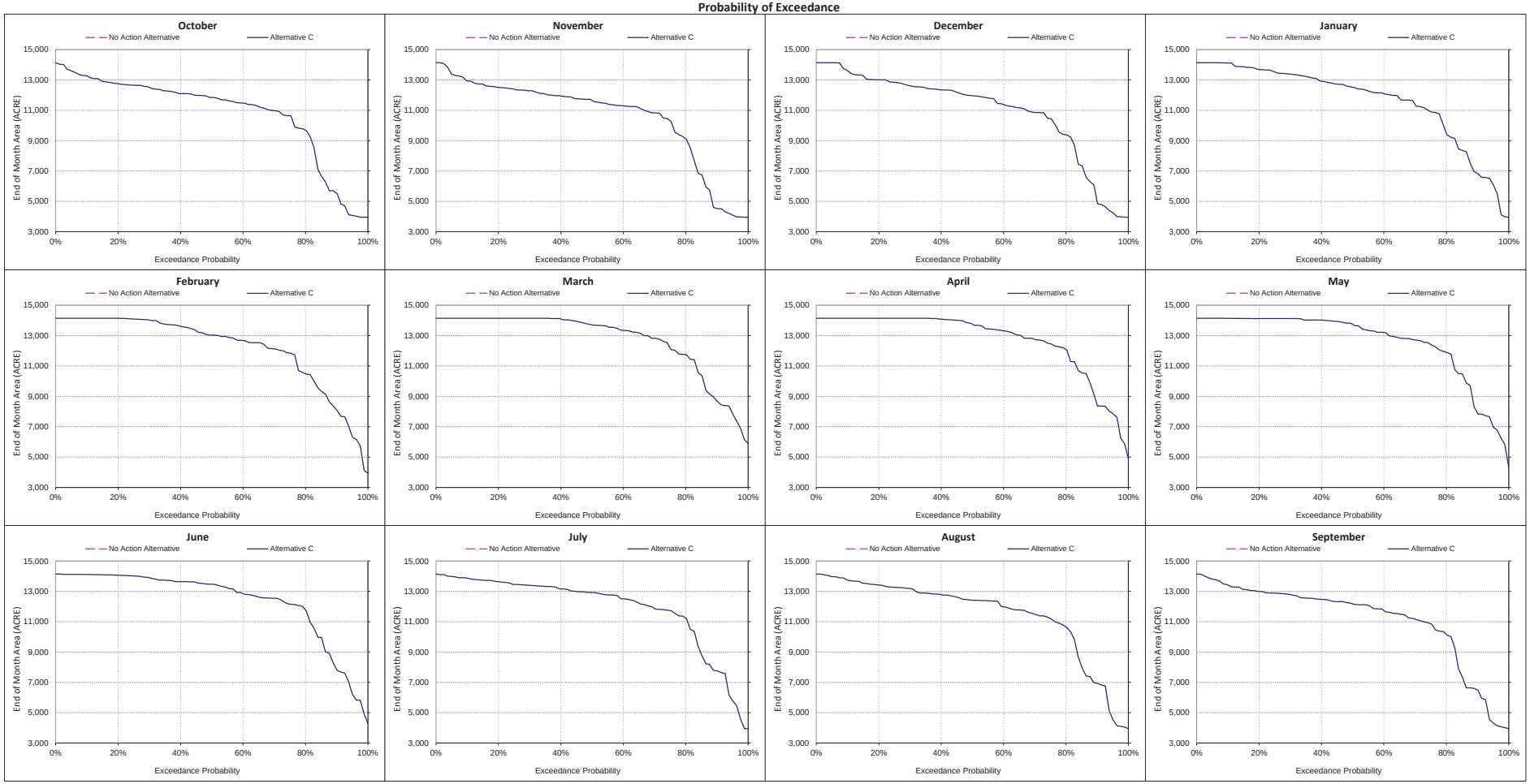

Table OP-11-7b

Sites Reservoir, End of Month Area
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137	
1.2%	0	14,030	14,030		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137	
2.5%	0	14,016	14,016		2.5%	0	14,092	14,092		2.5%	0	14,137	14,137		2.5%	0	14,137	14,137	
3.7%	0	13,710	13,710		3.7%	0	13,846	13,846		3.7%	0	14,137	14,137		3.7%	0	14,137	14,137	
4.9%	0	13,615	13,615		4.9%	0	13,388	13,388		4.9%	0	14,137	14,137		4.9%	0	14,137	14,137	
6.2%	0	13,499	13,499		6.2%	0	13,292	13,292		6.2%	0	14,136	14,136		6.2%	0	14,137	14,137	
7.4%	0	13,364	13,364		7.4%	0	13,270	13,270		7.4%	0	14,126	14,126		7.4%	0	14,136	14,136	
8.6%	0	13,296	13,296		8.6%	0	13,174	13,174		8.6%	0	13,754	13,754		8.6%	0	14,127	14,127	
9.9%	0	13,285	13,285		9.9%	0	12,945	12,945		9.9%	0	13,632	13,632		9.9%	0	14,127	14,127	
11.1%	0	13,153	13,153		11.1%	0	12,923	12,923		11.1%	0	13,434	13,434		11.1%	0	14,126	14,126	
12.3%	0	13,094	13,094		12.3%	0	12,790	12,790		12.3%	0	13,356	13,356		12.3%	0	13,905	13,905	
13.6%	0	13,086	13,086		13.6%	0	12,736	12,736		13.6%	0	13,331	13,331		13.6%	0	13,875	13,875	
14.8%	0	12,919	12,919		14.8%	0	12,733	12,733		14.8%	0	13,319	13,319		14.8%	0	13,875	13,875	
16.0%	0	12,868	12,868		16.0%	0	12,612	12,612		16.0%	0	13,062	13,062		16.0%	0	13,826	13,826	
17.3%	0	12,842	12,842		17.3%	0	12,577	12,577		17.3%	0	13,031	13,031		17.3%	0	13,822	13,822	
18.5%	0	12,782	12,782		18.5%	0	12,557	12,557		18.5%	0	13,029	13,029		18.5%	0	13,777	13,777	
19.8%	0	12,759	12,759		19.8%	0	12,505	12,505		19.8%	0	13,014	13,014		19.8%	0	13,687	13,687	
21.0%	0	12,728	12,728		21.0%	0	12,502	12,502		21.0%	0	13,010	13,010		21.0%	0	13,681	13,681	
22.2%	0	12,690	12,690		22.2%	0	12,481	12,481		22.2%	0	13,006	13,006		22.2%	0	13,667	13,667	
23.5%	0	12,680	12,680		23.5%	0	12,448	12,448		23.5%	0	12,876	12,876		23.5%	0	13,652	13,652	
24.7%	0	12,656	12,656		24.7%	0	12,413	12,413		24.7%	0	12,860	12,860		24.7%	0	13,554	13,554	
25.9%	0	12,651	12,651		25.9%	0	12,336	12,336		25.9%	0	12,829	12,829		25.9%	0	13,446	13,446	
27.2%	0	12,643	12,643		27.2%	0	12,335	12,335		27.2%	0	12,779	12,779		27.2%	0	13,441	13,441	
28.4%	0	12,584	12,584		28.4%	0	12,322	12,322		28.4%	0	12,692	12,692		28.4%	0	13,416	13,416	
29.6%	0	12,554	12,554		29.6%	0	12,297	12,297		29.6%	0	12,638	12,638		29.6%	0	13,395	13,395	
30.9%	0	12,429	12,429		30.9%	0	12,296	12,296		30.9%	0	12,585	12,585		30.9%	0	13,360	13,360	
32.1%	0	12,390	12,390		32.1%	0	12,181	12,181		32.1%	0	12,548	12,548		32.1%	0	13,328	13,328	
33.3%	0	12,367	12,367		33.3%	0	12,114	12,114		33.3%	0	12,542	12,542		33.3%	0	13,285	13,285	
34.6%	0	12,294	12,294		34.6%	0	12,108	12,108		34.6%	0	12,514	12,514		34.6%	0	13,262	13,262	
35.8%	0	12,278	12,278		35.8%	0	12,018	12,018		35.8%	0	12,431	12,431		35.8%	0	13,198	13,198	
37.0%	0	12,235	12,235		37.0%	0	12,002	12,002		37.0%	0	12,407	12,407		37.0%	0	13,135	13,135	
38.3%	0	12,179	12,179		38.3%	0	11,972	11,972		38.3%	0	12,394	12,394		38.3%	0	13,110	13,110	
39.5%	0	12,107	12,107		39.5%	0	11,956	11,956		39.5%	0	12,365	12,365		39.5%	0	12,931	12,931	
40.7%	0	12,103	12,103		40.7%	0	11,905	11,905		40.7%	0	12,340	12,340		40.7%	0	12,903	12,903	
42.0%	0	12,097	12,097		42.0%	0	11,904	11,904		42.0%	0	12,336	12,336		42.0%	0	12,845	12,845	
43.2%	0	12,082	12,082		43.2%	0	11,875	11,875		43.2%	0	12,315	12,315		43.2%	0	12,804	12,804	
44.4%	0	11,995	11,995		44.4%	0	11,774	11,774		44.4%	0	12,236	12,236		44.4%	0	12,735	12,735	
45.7%	0	11,977	11,977		45.7%	0	11,763	11,763		45.7%	0	12,129	12,129		45.7%	0	12,719	12,719	
46.9%	0	11,976	11,976		46.9%	0	11,735	11,735		46.9%	0	12,064	12,064		46.9%	0	12,692	12,692	
48.1%	0	11,948	11,948		48.1%	0	11,724	11,724		48.1%	0	11,993	11,993		48.1%	0	12,604	12,604	
49.4%	0	11,848	11,848		49.4%	0	11,721	11,721		49.4%	0	11,982	11,982		49.4%	0	12,542	12,542	
50.6%	0	11,846	11,846		50.6%	0	11,576	11,576		50.6%	0	11,946	11,946		50.6%	0	12,500	12,500	
51.9%	0	11,792	11,792		51.9%	0	11,540	11,540		51.9%	0	11,924	11,924		51.9%	0	12,407	12,407	
53.1%	0	11,694	11,694		53.1%	0	11,492	11,492		53.1%	0	11,885	11,885		53.1%	0	12,394	12,394	
54.3%	0	11,682	11,682		54.3%	0	11,473	11,473		54.3%	0	11,839	11,839		54.3%	0	12,315	12,315	
55.6%	0	11,626	11,626		55.6%	0	11,377	11,377		55.6%	0	11,794	11,794		55.6%	0	12,240	12,240	
56.8%	0	11,591	11,591		56.8%	0	11,365	11,365		56.8%	0	11,776	11,776		56.8%	0	12,170	12,170	
58.0%	0	11,504	11,504		58.0%	0	11,319	11,319		58.0%	0	11,458	11,458		58.0%	0	12,153	12,153	
59.3%	0	11,482	11,482		59.3%	0	11,309	11,309		59.3%	0	11,431	11,431		59.3%	0	12,145	12,145	
60.5%	0	11,463	11,463		60.5%	0	11,286	11,286		60.5%	0	11,356	11,356		60.5%	0	12,062	12,062	
61.7%	0	11,389	11,389		61.7%	0	11,255	11,255		61.7%	0	11,273	11,273		61.7%	0	12,026	12,026	
63.0%	0	11,387	11,387		63.0%	0	11,251	11,251		63.0%	0	11,251	11,251		63.0%	0	11,989	11,989	
64.2%	0	11,312	11,312		64.2%	0	11,247	11,247		64.2%	0	11,184	11,184		64.2%	0	11,982	11,982	
65.4%	0	11,213	11,213		65.4%	0	11,133	11,133		65.4%	0	11,155	11,155		65.4%	0	11,698	11,698	
66.7%	0	11,145	11,145		66.7%	0	10,999	10,999		66.7%	0	11,088	11,088		66.7%	0	11,673	11,673	
67.9%	0	11,053	11,053		67.9%	0	10,923	10,923		67.9%	0	10,944	10,944		67.9%	0	11,670	11,670	
69.1%	0	10,981	10,981		69.1%	0	10,835	10,835		69.1%	0	10,893	10,893		69.1%	0	11,653	11,653	
70.4%	0	10,978	10,978		70.4%	0	10,827	10,827		70.4%	0	10,856	10,856		70.4%	0	11,273	11,273	
71.6%	0	10,912	10,912		71.6%	0	10,804	10,804		71.6%	0	10,849	10,849		71.6%	0	11,251	11,251	
72.8%	0	10,701	10,701		72.8%	0	10,486	10,486		72.8%	0	10,826	10,826		72.8%	0	11,184	11,184	
74.1%	0	10,649	10,649		74.1%	0	10,456	10,456		74.1%	0	10,477	10,477		74.1%	0	11,011	11,011	
75.3%	0	10,648	10,648		75.3%	0	10,274	10,274		75.3%	0	10,433	10,433		75.3%	0	10,893	10,893	
76.5%	0	9,909	9,909		76.5%	0	9,545	9,545		76.5%	0	10,048	10,048		76.5%	0	10,856	10,856	
77.8%	0	9,818	9,818		77.8%	0	9,397	9,397		77.8%	0	9,568	9,568		77.8%	0	10,765	10,765	
79.0%	0	9,794	9,794		79.0%	0	9,276	9,276		79.0%	0	9,410	9,410		79.0%	0	10,048	10,048	
80.2%	0	9,671	9,671		80.2%	0	9,081	9,081		80.2%	0	9,379	9,379		80.2%	0	9,379	9,379	
81.5%	0	9,280	9,280		81.5%	0	8,522	8,522		81.5%	0	9,229	9,229		81.5%	0	9,229	9,229	
82.7%	0	8,537	8,537		82.7%	0	7,687	7,687		82.7%	0	8,692	8,692		82.7%	0	9,138	9,138	
84.0%	0	7,099	7,099		84.0%	0	6,840	6,840		84.0%	0	7,442	7,442		84.0%	0	8,454	8,454	
85.2%	0	6,642	6,642		85.2%	0	6,749	6,749		85.2%	0	7,335	7,335		85.2%	0	8,358	8,358	
86.4%	0	6,277	6,277		86.4%	0	5,954	5,954		86.4%	0	6,593	6,593		86.4%	0	8,264	8,264	
87.7%	0	5,705	5,705		87.7%	0	5,754	5,754		87.7%	0	6,294	6,294		87.7%	0	7,516	7,516	
88.9%	0	5,701	5,701		88.9%	0	4,603	4,603		88.9%	0	6,093	6,093		88.9%	0	6,962	6,962	
90.1%	0	5,508	5,508		90.1%	0	4,521	4,521		90.1%	0	4,848	4,848		90.1%	0	6,811	6,811	
91.4%	0	4,824	4,824		91.4%	0	4,515	4,515		91.4%	0	4,782	4,782		91.4%	0	6,593	6,593	
92.6%	0	4,696	4,696		92.6%	0	4,317	4,317		92.6%	0	4,633	4,633		92.6%	0	6,569	6,569	
93.8%	0	4,117	4,117		93.8%	0	4,215	4,215		93.8%	0	4,395	4,395		93.8%	0	6,514	6,514	
95.1%	0	4,068	4,068		95.1%	0	4,081	4,081		95.1%	0	4,242	4,242		95.1%	0	6,093	6,093	
96.3%	0	4,013	4,013		96.3%	0	3,964	3,964		96.3%	0	3,978	3,978		96.3%	0	5,501	5,501	
97.5%	0	3,950	3,950		97.5%	0	3,963	3,963		97.5%	0	3,978	3,978		97.5%	0	4,121	4,121	
98.8%	0	3,950	3,950		98.8%	0	3,950	3,950		98.8%	0	3,950	3,950		98.8%	0	3,978	3,978	
100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950		100.0%	0	3,950	3,950	

Table OP-11-7b

Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
1.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
2.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
3.7%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
4.9%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
6.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
7.4%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
8.6%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
9.9%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
11.1%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
12.3%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,127	14,127	
13.6%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
14.8%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
16.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
17.3%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
18.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
19.8%	0	14,136	14,136		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
21.0%	0	14,127	14,127		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
22.2%	0	14,126	14,126		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
23.5%	0	14,126	14,126		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
24.7%	0	14,115	14,115		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
25.9%	0	14,094	14,094		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
27.2%	0	14,061	14,061		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
28.4%	0	14,041	14,041		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
29.6%	0	14,041	14,041		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
30.9%	0	13,986	13,986		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
32.1%	0	13,982	13,982		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
33.3%	0	13,839	13,839		0	14,137	14,137		0	14,137	14,137		0	14,108	14,108	
34.6%	0	13,775	13,775		0	14,137	14,137		0	14,137	14,137		0	14,023	14,023	
35.8%	0	13,731	13,731		0	14,136	14,136		0	14,137	14,137		0	14,020	14,020	
37.0%	0	13,724	13,724		0	14,127	14,127		0	14,127	14,127		0	14,017	14,017	
38.3%	0	13,694	13,694		0	14,126	14,126		0	14,126	14,126		0	14,017	14,017	
39.5%	0	13,646	13,646		0	14,126	14,126		0	14,088	14,088		0	14,017	14,017	
40.7%	0	13,586	13,586		0	14,039	14,039		0	14,077	14,077		0	14,017	14,017	
42.0%	0	13,544	13,544		0	14,035	14,035		0	14,035	14,035		0	14,004	14,004	
43.2%	0	13,479	13,479		0	14,008	14,008		0	14,035	14,035		0	13,956	13,956	
44.4%	0	13,398	13,398		0	13,968	13,968		0	14,034	14,034		0	13,931	13,931	
45.7%	0	13,222	13,222		0	13,910	13,910		0	13,993	13,993		0	13,914	13,914	
46.9%	0	13,183	13,183		0	13,856	13,856		0	13,967	13,967		0	13,872	13,872	
48.1%	0	13,085	13,085		0	13,786	13,786		0	13,856	13,856		0	13,824	13,824	
49.4%	0	13,033	13,033		0	13,731	13,731		0	13,823	13,823		0	13,816	13,816	
50.6%	0	13,025	13,025		0	13,678	13,678		0	13,682	13,682		0	13,660	13,660	
51.9%	0	13,010	13,010		0	13,677	13,677		0	13,677	13,677		0	13,653	13,653	
53.1%	0	12,943	12,943		0	13,658	13,658		0	13,624	13,624		0	13,427	13,427	
54.3%	0	12,942	12,942		0	13,647	13,647		0	13,445	13,445		0	13,368	13,368	
55.6%	0	12,885	12,885		0	13,550	13,550		0	13,444	13,444		0	13,324	13,324	
56.8%	0	12,842	12,842		0	13,544	13,544		0	13,429	13,429		0	13,310	13,310	
58.0%	0	12,709	12,709		0	13,479	13,479		0	13,377	13,377		0	13,216	13,216	
59.3%	0	12,692	12,692		0	13,355	13,355		0	13,341	13,341		0	13,215	13,215	
60.5%	0	12,679	12,679		0	13,341	13,341		0	13,328	13,328		0	13,203	13,203	
61.7%	0	12,555	12,555		0	13,318	13,318		0	13,238	13,238		0	12,981	12,981	
63.0%	0	12,542	12,542		0	13,240	13,240		0	13,185	13,185		0	12,951	12,951	
64.2%	0	12,537	12,537		0	13,222	13,222		0	13,050	13,050		0	12,889	12,889	
65.4%	0	12,529	12,529		0	13,148	13,148		0	13,023	13,023		0	12,834	12,834	
66.7%	0	12,432	12,432		0	13,001	13,001		0	12,827	12,827		0	12,809	12,809	
67.9%	0	12,170	12,170		0	12,998	12,998		0	12,827	12,827		0	12,808	12,808	
69.1%	0	12,141	12,141		0	12,827	12,827		0	12,826	12,826		0	12,737	12,737	
70.4%	0	12,123	12,123		0	12,827	12,827		0	12,726	12,726		0	12,698	12,698	
71.6%	0	12,035	12,035		0	12,763	12,763		0	12,703	12,703		0	12,671	12,671	
72.8%	0	12,008	12,008		0	12,621	12,621		0	12,661	12,661		0	12,569	12,569	
74.1%	0	11,869	11,869		0	12,542	12,542		0	12,506	12,506		0	12,527	12,527	
75.3%	0	11,835	11,835		0	12,079	12,079		0	12,448	12,448		0	12,375	12,375	
76.5%	0	11,732	11,732		0	12,045	12,045		0	12,313	12,313		0	12,240	12,240	
77.8%	0	10,699	10,699		0	11,777	11,777		0	12,261	12,261		0	12,056	12,056	
79.0%	0	10,591	10,591		0	11,762	11,762		0	12,201	12,201		0	11,970	11,970	
80.2%	0	10,468	10,468		0	11,746	11,746		0	12,045	12,045		0	11,888	11,888	
81.5%	0	10,434	10,434		0	11,443	11,443		0	11,282	11,282		0	11,787	11,787	
82.7%	0	10,009	10,009		0	11,422	11,422		0	11,278	11,278		0	10,748	10,748	
84.0%	0	9,553	9,553		0	10,566	10,566		0	10,711	10,711		0	10,505	10,505	
85.2%	0	9,320	9,320		0	10,362	10,362		0	10,526	10,526		0	10,486	10,486	
86.4%	0	9,147	9,147		0	9,397	9,397		0	10,507	10,507		0	9,875	9,875	
87.7%	0	8,629	8,629		0	9,147	9,147		0	9,891	9,891		0	9,709	9,709	
88.9%	0	8,358	8,358		0	8,958	8,958		0	9,125	9,125		0	8,314	8,314	
90.1%	0	8,071	8,071		0	8,662	8,662		0	8,358	8,358		0	7,825	7,825	
91.4%	0	7,671	7,671		0	8,428	8,428		0	8,352	8,352		0	7,824	7,824	
92.6%	0	7,653	7,653		0	8,385	8,385		0	8,342	8,342		0	7,720	7,720	
93.8%	0	7,048	7,048		0	8,358	8,358		0	8,025	8,025		0	7,652	7,652	
95.1%	0	6,313	6,313		0	7,850	7,850		0	7,850	7,850		0	6,976	6,976	
96.3%	0	6,145	6,145		0	7,383	7,383		0	7,612	7,612		0	6,761	6,761	
97.5%	0	5,742	5,742		0	6,896	6,896		0	6,255	6,255		0	6,229	6,229	
98.8%	0	4,121	4,121		0	6,145	6,145		0	5,870	5,870		0	5,846	5,846	
100.0%	0	3,950	3,950		0	5,870	5,870		0	4,892	4,892		0	4,340	4,340	

Table OP-11-7b

Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
1.2%	0	14,134	14,134		0	14,103	14,103		0	14,132	14,132		0	14,137	14,137	
2.5%	0	14,115	14,115		0	14,103	14,103		0	14,086	14,086		0	14,017	14,017	
3.7%	0	14,115	14,115		0	14,003	14,003		0	14,047	14,047		0	13,894	13,894	
4.9%	0	14,115	14,115		0	13,981	13,981		0	13,973	13,973		0	13,817	13,817	
6.2%	0	14,115	14,115		0	13,942	13,942		0	13,973	13,973		0	13,752	13,752	
7.4%	0	14,115	14,115		0	13,902	13,902		0	13,893	13,893		0	13,681	13,681	
8.6%	0	14,115	14,115		0	13,894	13,894		0	13,873	13,873		0	13,486	13,486	
9.9%	0	14,108	14,108		0	13,878	13,878		0	13,748	13,748		0	13,434	13,434	
11.1%	0	14,097	14,097		0	13,816	13,816		0	13,686	13,686		0	13,300	13,300	
12.3%	0	14,097	14,097		0	13,787	13,787		0	13,677	13,677		0	13,275	13,275	
13.6%	0	14,097	14,097		0	13,748	13,748		0	13,660	13,660		0	13,272	13,272	
14.8%	0	14,097	14,097		0	13,748	13,748		0	13,538	13,538		0	13,119	13,119	
16.0%	0	14,090	14,090		0	13,729	13,729		0	13,523	13,523		0	13,104	13,104	
17.3%	0	14,078	14,078		0	13,721	13,721		0	13,465	13,465		0	13,060	13,060	
18.5%	0	14,077	14,077		0	13,668	13,668		0	13,459	13,459		0	13,040	13,040	
19.8%	0	14,068	14,068		0	13,648	13,648		0	13,420	13,420		0	12,991	12,991	
21.0%	0	14,061	14,061		0	13,608	13,608		0	13,392	13,392		0	12,982	12,982	
22.2%	0	14,041	14,041		0	13,592	13,592		0	13,314	13,314		0	12,903	12,903	
23.5%	0	14,024	14,024		0	13,550	13,550		0	13,285	13,285		0	12,882	12,882	
24.7%	0	14,017	14,017		0	13,450	13,450		0	13,278	13,278		0	12,879	12,879	
25.9%	0	14,004	14,004		0	13,446	13,446		0	13,270	13,270		0	12,875	12,875	
27.2%	0	13,987	13,987		0	13,433	13,433		0	13,224	13,224		0	12,848	12,848	
28.4%	0	13,926	13,926		0	13,420	13,420		0	13,217	13,217		0	12,835	12,835	
29.6%	0	13,920	13,920		0	13,399	13,399		0	13,195	13,195		0	12,801	12,801	
30.9%	0	13,842	13,842		0	13,380	13,380		0	13,143	13,143		0	12,746	12,746	
32.1%	0	13,786	13,786		0	13,367	13,367		0	12,964	12,964		0	12,704	12,704	
33.3%	0	13,740	13,740		0	13,349	13,349		0	12,886	12,886		0	12,571	12,571	
34.6%	0	13,734	13,734		0	13,330	13,330		0	12,884	12,884		0	12,565	12,565	
35.8%	0	13,733	13,733		0	13,318	13,318		0	12,864	12,864		0	12,551	12,551	
37.0%	0	13,711	13,711		0	13,316	13,316		0	12,838	12,838		0	12,545	12,545	
38.3%	0	13,646	13,646		0	13,283	13,283		0	12,821	12,821		0	12,487	12,487	
39.5%	0	13,641	13,641		0	13,154	13,154		0	12,808	12,808		0	12,480	12,480	
40.7%	0	13,639	13,639		0	13,154	13,154		0	12,747	12,747		0	12,459	12,459	
42.0%	0	13,638	13,638		0	13,120	13,120		0	12,742	12,742		0	12,447	12,447	
43.2%	0	13,625	13,625		0	13,030	13,030		0	12,699	12,699		0	12,348	12,348	
44.4%	0	13,623	13,623		0	13,010	13,010		0	12,646	12,646		0	12,321	12,321	
45.7%	0	13,537	13,537		0	12,969	12,969		0	12,580	12,580		0	12,316	12,316	
46.9%	0	13,520	13,520		0	12,965	12,965		0	12,481	12,481		0	12,313	12,313	
48.1%	0	13,481	13,481		0	12,929	12,929		0	12,456	12,456		0	12,247	12,247	
49.4%	0	13,464	13,464		0	12,914	12,914		0	12,427	12,427		0	12,214	12,214	
50.6%	0	13,464	13,464		0	12,904	12,904		0	12,411	12,411		0	12,137	12,137	
51.9%	0	13,398	13,398		0	12,886	12,886		0	12,407	12,407		0	12,119	12,119	
53.1%	0	13,339	13,339		0	12,819	12,819		0	12,393	12,393		0	12,118	12,118	
54.3%	0	13,274	13,274		0	12,774	12,774		0	12,382	12,382		0	12,109	12,109	
55.6%	0	13,171	13,171		0	12,771	12,771		0	12,366	12,366		0	12,025	12,025	
56.8%	0	13,154	13,154		0	12,743	12,743		0	12,353	12,353		0	11,864	11,864	
58.0%	0	12,920	12,920		0	12,723	12,723		0	12,349	12,349		0	11,848	11,848	
59.3%	0	12,919	12,919		0	12,518	12,518		0	11,995	11,995		0	11,837	11,837	
60.5%	0	12,802	12,802		0	12,509	12,509		0	11,958	11,958		0	11,646	11,646	
61.7%	0	12,776	12,776		0	12,464	12,464		0	11,885	11,885		0	11,624	11,624	
63.0%	0	12,756	12,756		0	12,406	12,406		0	11,803	11,803		0	11,556	11,556	
64.2%	0	12,666	12,666		0	12,310	12,310		0	11,781	11,781		0	11,539	11,539	
65.4%	0	12,588	12,588		0	12,167	12,167		0	11,766	11,766		0	11,484	11,484	
66.7%	0	12,581	12,581		0	12,126	12,126		0	11,736	11,736		0	11,446	11,446	
67.9%	0	12,557	12,557		0	12,044	12,044		0	11,619	11,619		0	11,240	11,240	
69.1%	0	12,541	12,541		0	11,983	11,983		0	11,559	11,559		0	11,219	11,219	
70.4%	0	12,538	12,538		0	11,817	11,817		0	11,473	11,473		0	11,134	11,134	
71.6%	0	12,496	12,496		0	11,808	11,808		0	11,387	11,387		0	11,074	11,074	
72.8%	0	12,345	12,345		0	11,783	11,783		0	11,384	11,384		0	10,979	10,979	
74.1%	0	12,204	12,204		0	11,757	11,757		0	11,295	11,295		0	10,934	10,934	
75.3%	0	12,153	12,153		0	11,722	11,722		0	11,173	11,173		0	10,836	10,836	
76.5%	0	12,128	12,128		0	11,554	11,554		0	10,994	10,994		0	10,459	10,459	
77.8%	0	12,066	12,066		0	11,379	11,379		0	10,901	10,901		0	10,366	10,366	
79.0%	0	12,020	12,020		0	11,357	11,357		0	10,786	10,786		0	10,351	10,351	
80.2%	0	11,725	11,725		0	11,215	11,215		0	10,604	10,604		0	10,106	10,106	
81.5%	0	10,949	10,949		0	10,497	10,497		0	10,310	10,310		0	10,005	10,005	
82.7%	0	10,574	10,574		0	10,375	10,375		0	9,815	9,815		0	9,261	9,261	
84.0%	0	9,977	9,977		0	9,372	9,372		0	8,656	8,656		0	7,880	7,880	
85.2%	0	9,958	9,958		0	8,749	8,749		0	7,933	7,933		0	7,340	7,340	
86.4%	0	9,010	9,010		0	8,231	8,231		0	7,418	7,418		0	6,644	6,644	
87.7%	0	8,921	8,921		0	8,186	8,186		0	7,372	7,372		0	6,640	6,640	
88.9%	0	8,280	8,280		0	7,784	7,784		0	6,971	6,971		0	6,599	6,599	
90.1%	0	7,791	7,791		0	7,745	7,745		0	6,933	6,933		0	6,478	6,478	
91.4%	0	7,687	7,687		0	7,642	7,642		0	6,830	6,830		0	5,948	5,948	
92.6%	0	7,620	7,620		0	7,575	7,575		0	6,764	6,764		0	5,865	5,865	
93.8%	0	7,044	7,044		0	6,161	6,161		0	5,109	5,109		0	4,556	4,556	
95.1%	0	6,196	6,196		0	5,773	5,773		0	4,510	4,510		0	4,302	4,302	
96.3%	0	5,840	5,840		0	5,472	5,472		0	4,140	4,140		0	4,140	4,140	
97.5%	0	5,815	5,815		0	4,605	4,605		0	4,101	4,101		0	4,074	4,074	
98.8%	0	4,905	4,905		0	3,950	3,950		0	4,046	4,046		0	4,020	4,020	
100.0%	0	4,305	4,305		0	3,950	3,950		0	3,950	3,950		0	3,950	3,950	

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Alternative D Compared to No Action Alternative

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Table OP-01-9a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative D	125	112	745	1,268	1,316	1,019	376	478	675	687	655	102
Difference	15	105	745	1,268	1,313	1,006	243	65	-74	-124	-6	-47
Percent Difference[3]	13.4%							15.7%	-9.9%	-15.3%	-0.9%	-31.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative D	119	118	1,021	1,412	1,154	713	325	686	972	1,023	1,001	98
Difference	-28	111	1,021	1,412	1,154	703	185	81	-110	-188	41	-130
Percent Difference	-18.9%						131.8%	13.4%	-10.2%	-15.5%	4.3%	-57.1%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative D	282	186	1,014	1,887	2,022	1,244	786	757	887	802	781	176
Difference	168	183	1,014	1,887	2,022	1,236	617	173	-165	-320	-94	-26
Percent Difference	147.7%							29.6%	-15.6%	-28.5%	-10.8%	-12.8%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative D	98	85	606	1,519	1,355	1,388	472	439	642	595	503	89
Difference	-6	81	606	1,519	1,354	1,365	325	77	-4	-109	-52	-14
Percent Difference	-5.9%							21.2%	-0.6%	-15.5%	-9.4%	-13.7%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative D	92	119	471	946	1,356	1,310	298	243	425	420	369	87
Difference	-4	113	471	946	1,351	1,299	171	-9	-69	-55	-19	-6
Percent Difference	-4.1%						134.3%	-3.5%	-14.0%	-11.6%	-4.8%	-6.1%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative D	64	45	448	530	853	591	81	144	234	353	383	76
Difference	5	33	448	530	846	577	10	19	5	92	51	10
Percent Difference	9.3%						14.5%	14.8%	2.3%	35.0%	15.4%	14.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-9b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

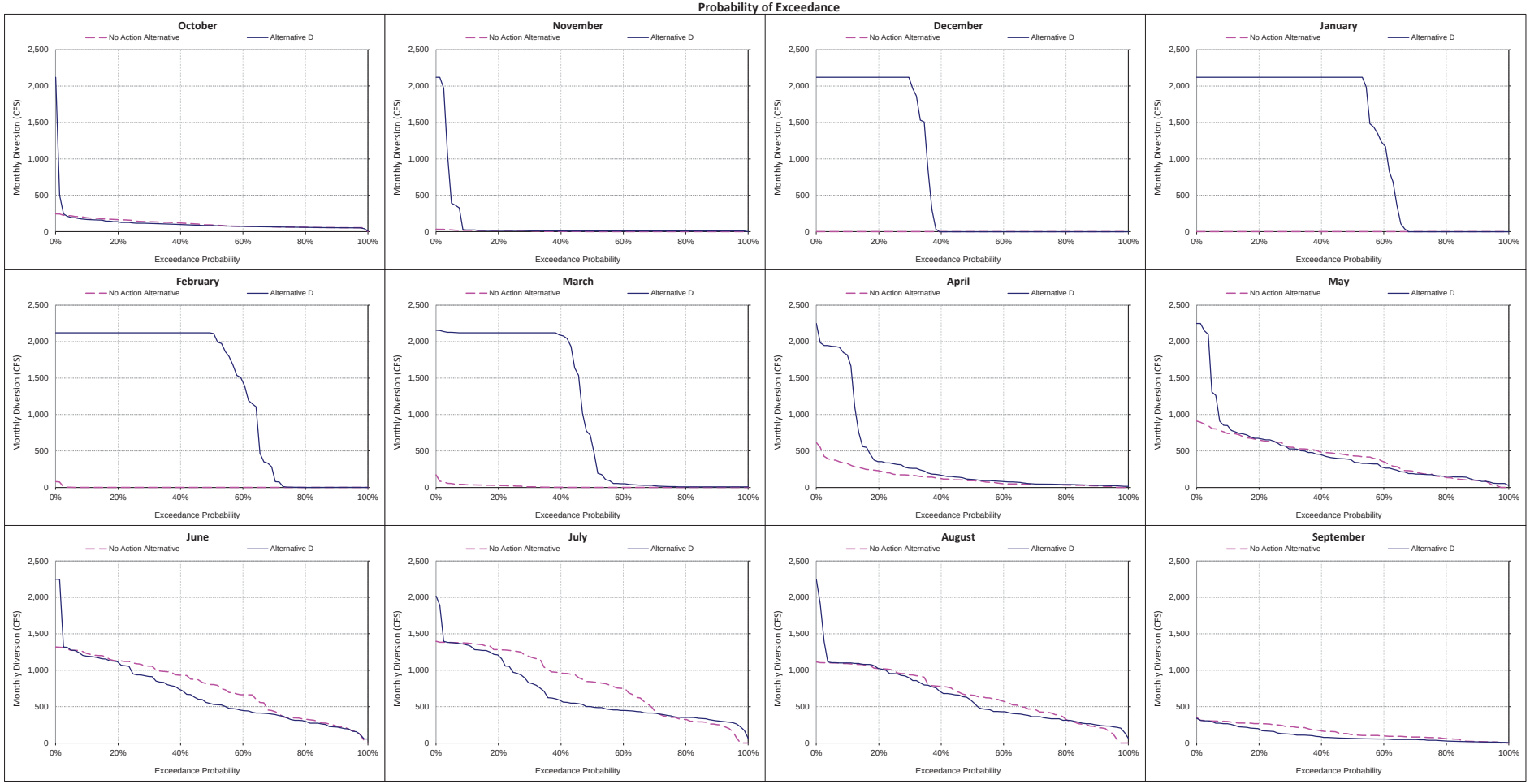

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	2,121	1,877	769.4%	0.0%	33	2,121	2,088		0.0%	0	2,121	2,121		0.0%	0	2,121	2,121	
1.2%	243	501	258	105.9%	1.2%	32	2,121	2,089		1.2%	0	2,121	2,121		1.2%	0	2,121	2,121	
2.5%	225	243	18	8.2%	2.5%	31	1,971	1,940		2.5%	0	2,121	2,121		2.5%	0	2,121	2,121	
3.7%	220	211	-9	-4.2%	3.7%	26	1,051	1,025		3.7%	0	2,121	2,121		3.7%	0	2,121	2,121	
4.9%	218	194	-24	-10.8%	4.9%	25	390	365		4.9%	0	2,121	2,121		4.9%	0	2,121	2,121	
6.2%	208	193	-15	-7.2%	6.2%	19	363	344		6.2%	0	2,121	2,121		6.2%	0	2,121	2,121	
7.4%	207	180	-27	-12.8%	7.4%	18	328	310		7.4%	0	2,121	2,121		7.4%	0	2,121	2,121	
8.6%	202	169	-33	-16.2%	8.6%	18	26	8	46.3%	8.6%	0	2,121	2,121		8.6%	0	2,121	2,121	
9.9%	192	168	-24	-12.3%	9.9%	18	24	7	38.4%	9.9%	0	2,121	2,121		9.9%	0	2,121	2,121	
11.1%	187	167	-19	-10.4%	11.1%	17	23	6	33.9%	11.1%	0	2,121	2,121		11.1%	0	2,121	2,121	
12.3%	185	164	-21	-11.5%	12.3%	17	23	6	33.7%	12.3%	0	2,121	2,121		12.3%	0	2,121	2,121	
13.6%	184	160	-24	-12.8%	13.6%	17	18	1	5.1%	13.6%	0	2,121	2,121		13.6%	0	2,121	2,121	
14.8%	176	159	-16	-9.2%	14.8%	17	18	1	5.0%	14.8%	0	2,121	2,121		14.8%	0	2,121	2,121	
16.0%	174	144	-30	-17.2%	16.0%	17	18	1	4.9%	16.0%	0	2,121	2,121		16.0%	0	2,121	2,121	
17.3%	172	144	-28	-16.4%	17.3%	17	18	1	3.6%	17.3%	0	2,121	2,121		17.3%	0	2,121	2,121	
18.5%	169	138	-32	-18.7%	18.5%	17	17	0	1.0%	18.5%	0	2,121	2,121		18.5%	0	2,121	2,121	
19.8%	165	136	-29	-17.8%	19.8%	17	17	0	0.0%	19.8%	0	2,121	2,121		19.8%	0	2,121	2,121	
21.0%	163	127	-36	-22.0%	21.0%	17	17	0	0.0%	21.0%	0	2,121	2,121		21.0%	0	2,121	2,121	
22.2%	161	127	-34	-21.1%	22.2%	17	17	0	0.0%	22.2%	0	2,121	2,121		22.2%	0	2,121	2,121	
23.5%	159	126	-33	-20.9%	23.5%	17	17	0	0.0%	23.5%	0	2,121	2,121		23.5%	0	2,121	2,121	
24.7%	154	119	-36	-23.0%	24.7%	17	17	0	0.0%	24.7%	0	2,121	2,121		24.7%	0	2,121	2,121	
25.9%	144	116	-28	-19.6%	25.9%	17	17	0	-0.1%	25.9%	0	2,121	2,121		25.9%	0	2,121	2,121	
27.2%	140	116	-24	-17.5%	27.2%	17	17	0	-0.2%	27.2%	0	2,121	2,121		27.2%	0	2,121	2,121	
28.4%	138	116	-22	-16.3%	28.4%	17	16	-1	-7.1%	28.4%	0	2,121	2,121		28.4%	0	2,121	2,121	
29.6%	136	115	-21	-15.3%	29.6%	17	14	-3	-17.0%	29.6%	0	2,121	2,121		29.6%	0	2,121	2,121	
30.9%	136	113	-23	-16.9%	30.9%	9	12	4	43.7%	30.9%	0	1,962	1,962		30.9%	0	2,121	2,121	
32.1%	134	109	-25	-18.6%	32.1%	7	12	5	77.1%	32.1%	0	1,864	1,864		32.1%	0	2,121	2,121	
33.3%	130	109	-21	-16.2%	33.3%	7	12	6	84.0%	33.3%	0	1,532	1,532		33.3%	0	2,121	2,121	
34.6%	129	107	-22	-17.0%	34.6%	4	12	8	214.6%	34.6%	0	1,508	1,508		34.6%	0	2,121	2,121	
35.8%	129	104	-24	-18.8%	35.8%	4	12	8	226.7%	35.8%	0	836	836		35.8%	0	2,121	2,121	
37.0%	126	102	-24	-19.3%	37.0%	3	12	8	250.9%	37.0%	0	298	298		37.0%	0	2,121	2,121	
38.3%	124	101	-23	-18.7%	38.3%	3	11	8	283.5%	38.3%	0	35	35		38.3%	0	2,121	2,121	
39.5%	122	98	-24	-19.4%	39.5%	3	10	8	311.8%	39.5%	0	0	0		39.5%	0	2,121	2,121	
40.7%	117	97	-20	-16.8%	40.7%	2	10	8	353.5%	40.7%	0	0	0		40.7%	0	2,121	2,121	
42.0%	114	95	-20	-17.1%	42.0%	2	10	8	432.9%	42.0%	0	0	0		42.0%	0	2,121	2,121	
43.2%	111	94	-17	-15.7%	43.2%	2	10	8	418.0%	43.2%	0	0	0		43.2%	0	2,121	2,121	
44.4%	108	87	-21	-19.2%	44.4%	1	10	8	561.2%	44.4%	0	0	0		44.4%	0	2,121	2,121	
45.7%	104	87	-18	-16.9%	45.7%	1	9	8	647.3%	45.7%	0	0	0		45.7%	0	2,121	2,121	
46.9%	97	86	-11	-10.9%	46.9%	0	8	8		46.9%	0	0	0		46.9%	0	2,121	2,121	
48.1%	94	86	-9	-9.0%	48.1%	0	8	8		48.1%	0	0	0		48.1%	0	2,121	2,121	
49.4%	94	84	-10	-10.5%	49.4%	0	8	8		49.4%	0	0	0		49.4%	0	2,121	2,121	
50.6%	91	83	-8	-8.8%	50.6%	0	8	8		50.6%	0	0	0		50.6%	0	2,121	2,121	
51.9%	88	81	-7	-7.7%	51.9%	0	8	8		51.9%	0	0	0		51.9%	0	2,121	2,121	
53.1%	86	79	-7	-8.0%	53.1%	0	8	8		53.1%	0	0	0		53.1%	0	2,121	2,121	
54.3%	79	79	0	-0.5%	54.3%	0	8	8		54.3%	0	0	0		54.3%	0	1,984	1,984	
55.6%	78	78	-1	-0.7%	55.6%	0	8	8		55.6%	0	0	0		55.6%	0	1,482	1,482	
56.8%	76	76	0	-0.6%	56.8%	0	8	8		56.8%	0	0	0		56.8%	0	1,435	1,435	
58.0%	75	75	0	0.5%	58.0%	0	8	8		58.0%	0	0	0		58.0%	0	1,346	1,346	
59.3%	75	75	0	0.4%	59.3%	0	8	8		59.3%	0	0	0		59.3%	0	1,231	1,231	
60.5%	74	72	-3	-3.8%	60.5%	0	8	8		60.5%	0	0	0		60.5%	0	1,169	1,169	
61.7%	74	71	-3	-3.7%	61.7%	0	8	8		61.7%	0	0	0		61.7%	0	824	824	
63.0%	74	71	-3	-3.7%	63.0%	0	8	8		63.0%	0	0	0		63.0%	0	684	684	
64.2%	72	70	-2	-3.0%	64.2%	0	8	8		64.2%	0	0	0		64.2%	0	361	361	
65.4%	71	69	-2	-3.2%	65.4%	0	8	8		65.4%	0	0	0		65.4%	0	109	109	
66.7%	71	66	-5	-7.4%	66.7%	0	8	8		66.7%	0	0	0		66.7%	0	36	36	
67.9%	69	66	-3	-3.9%	67.9%	0	8	8		67.9%	0	0	0		67.9%	0	0	0	
69.1%	67	65	-1	-1.8%	69.1%	0	8	8		69.1%	0	0	0		69.1%	0	0	0	
70.4%	65	63	-2	-3.3%	70.4%	0	8	8		70.4%	0	0	0		70.4%	0	0	0	
71.6%	64	63	-1	-1.4%	71.6%	0	8	8		71.6%	0	0	0		71.6%	0	0	0	
72.8%	63	62	-2	-2.6%	72.8%	0	8	8		72.8%	0	0	0		72.8%	0	0	0	
74.1%	63	62	-2	-2.4%	74.1%	0	8	8		74.1%	0	0	0		74.1%	0	0	0	
75.3%	62	61	-1	-1.8%	75.3%	0	8	8		75.3%	0	0	0		75.3%	0	0	0	
76.5%	62	61	-1	-2.2%	76.5%	0	8	8		76.5%	0	0	0		76.5%	0	0	0	
77.8%	62	60	-1	-2.3%	77.8%	0	8	8		77.8%	0	0	0		77.8%	0	0	0	
79.0%	61	59	-2	-2.7%	79.0%	0	8	8		79.0%	0	0	0		79.0%	0	0	0	
80.2%	59	59	-1	-1.6%	80.2%	0	8	8		80.2%	0	0	0		80.2%	0	0	0	
81.5%	59	57	-2	-3.2%	81.5%	0	8	8		81.5%	0	0	0		81.5%	0	0	0	
82.7%	57	57	-1	-1.4%	82.7%	0	8	8		82.7%	0	0	0		82.7%	0	0	0	
84.0%	57	57	-1	-1.3%	84.0%	0	8	8		84.0%	0	0	0		84.0%	0	0	0	
85.2%	56	56	0	-0.6%	85.2%	0	8	8		85.2%	0	0	0		85.2%	0	0	0	
86.4%	56	56	0	-0.6%	86.4%	0	8	8		86.4%	0	0	0		86.4%	0	0	0	
87.7%	56	56	0	-0.6%	87.7%	0	8	8		87.7%	0	0	0		87.7%	0	0	0	
88.9%	56	56	0	0.0%	88.9%	0	8	8		88.9%	0	0	0		88.9%	0	0	0	
90.1%	55	55	0	0.4%	90.1%	0	8	8		90.1%	0	0	0		90.1%	0	0	0	
91.4%	54	54	0	0.0%	91.4%	0	8	8		91.4%	0	0	0		91.4%	0	0	0	
92.6%	54	54	0	0.0%	92.6%	0	8	8		92.6%	0	0	0		92.6%	0	0	0	
93.8%	54	54	0	0.0%	93.8%	0	8	8		93.8%	0	0	0		93.8%	0	0	0	
95.1%	54	54	0	0.0%	95.1%	0	8	8		95.1%	0	0	0		95.1%	0	0	0	
96.3%	54	54	0	0.0%	96.3%	0	8	8		96.3%	0	0	0		96.3%	0	0	0	
97.5%	54	51	-4	-6.6%	97.5%	0	8	8		97.5%	0	0	0		97.5%	0	0	0	
98.8%	54	41	-14	-25.1%	98.8%	0	8	8		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	9	9		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,121	2,042	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,111	2,111	
51.9%	0	1,993	1,993	
53.1%	0	1,976	1,976	
54.3%	0	1,862	1,862	
55.6%	0	1,799	1,799	
56.8%	0	1,682	1,682	
58.0%	0	1,539	1,539	
59.3%	0	1,510	1,510	
60.5%	0	1,394	1,394	
61.7%	0	1,190	1,190	
63.0%	0	1,147	1,147	
64.2%	0	1,105	1,105	
65.4%	0	468	468	
66.7%	0	349	349	
67.9%	0	330	330	
69.1%	0	283	283	
70.4%	0	79	79	
71.6%	0	75	75	
72.8%	0	12	12	
74.1%	0	3	3	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,159	1,987	
1.2%	85	2,153	2,069	
2.5%	76	2,140	2,064	
3.7%	56	2,130	2,074	
4.9%	52	2,129	2,076	
6.2%	44	2,124	2,080	
7.4%	42	2,123	2,081	
8.6%	41	2,122	2,081	
9.9%	35	2,122	2,087	
11.1%	35	2,122	2,087	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,121	2,113	
30.9%	8	2,121	2,113	
32.1%	7	2,121	2,114	
33.3%	4	2,121	2,117	
34.6%	3	2,121	2,118	
35.8%	3	2,121	2,119	
37.0%	2	2,121	2,119	
38.3%	2	2,121	2,119	
39.5%	1	2,094	2,093	
40.7%	1	2,081	2,080	
42.0%	1	2,044	2,043	
43.2%	1	1,932	1,931	
44.4%	1	1,642	1,641	
45.7%	1	1,538	1,537	
46.9%	0	1,021	1,021	
48.1%	0	773	773	
49.4%	0	717	717	
50.6%	0	468	468	
51.9%	0	192	192	
53.1%	0	175	175	
54.3%	0	107	107	
55.6%	0	93	93	
56.8%	0	54	54	
58.0%	0	53	53	
59.3%	0	51	51	
60.5%	0	50	50	
61.7%	0	43	43	
63.0%	0	35	35	
64.2%	0	34	34	
65.4%	0	34	34	
66.7%	0	29	29	
67.9%	0	29	29	
69.1%	0	28	28	
70.4%	0	18	18	
71.6%	0	17	17	
72.8%	0	15	15	
74.1%	0	11	11	
75.3%	0	10	10	
76.5%	0	9	9	
77.8%	0	9	9	
79.0%	0	9	9	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,988	1,437	260.9%
2.5%	428	1,947	1,519	355.1%
3.7%	393	1,947	1,554	395.8%
4.9%	376	1,935	1,559	414.7%
6.2%	374	1,933	1,560	417.5%
7.4%	351	1,924	1,573	448.3%
8.6%	335	1,850	1,515	453.0%
9.9%	328	1,818	1,491	455.0%
11.1%	303	1,664	1,362	449.6%
12.3%	280	1,099	819	291.9%
13.6%	274	756	482	175.5%
14.8%	260	560	300	115.6%
16.0%	246	549	303	123.2%
17.3%	242	456	213	88.0%
18.5%	236	374	137	58.1%
19.8%	230	354	124	54.1%
21.0%	218	353	135	62.0%
22.2%	201	336	135	67.3%
23.5%	200	335	135	67.5%
24.7%	181	327	146	80.8%
25.9%	174	313	139	80.0%
27.2%	172	311	139	80.8%
28.4%	172	274	103	59.8%
29.6%	169	263	94	56.0%
30.9%	167	261	95	56.8%
32.1%	158	259	101	63.6%
33.3%	150	239	90	59.8%
34.6%	147	224	77	52.2%
35.8%	141	196	54	38.6%
37.0%	141	183	42	29.6%
38.3%	131	178	47	36.0%
39.5%	127	172	45	35.7%
40.7%	115	160	46	39.8%
42.0%	114	151	36	31.6%
43.2%	110	150	40	36.3%
44.4%	103	143	40	38.8%
45.7%	103	141	38	37.3%
46.9%	102	131	29	28.5%
48.1%	93	116	23	24.4%
49.4%	93	112	19	20.3%
50.6%	93	106	13	14.5%
51.9%	85	100	15	18.0%
53.1%	85	94	9	11.2%
54.3%	74	93	19	26.4%
55.6%	71	93	22	31.0%
56.8%	70	90	20	28.5%
58.0%	59	84	25	42.2%
59.3%	54	84	30	55.6%
60.5%	48	80	32	66.9%
61.7%	47	75	28	58.1%
63.0%	47	74	27	57.0%
64.2%	47	70	23	48.5%
65.4%	46	67	21	45.1%
66.7%	46	58	12	26.3%
67.9%	45	55	10	23.4%
69.1%	43	48	5	11.4%
70.4%	40	47	7	18.1%
71.6%	40	47	7	18.3%
72.8%	40	46	6	16.1%
74.1%	37	45	7	19.4%
75.3%	37	44	7	17.6%
76.5%	36	41	5	13.9%
77.8%	36	41	5	14.6%
79.0%	35	40	6	16.2%
80.2%	33	40	7	20.4%
81.5%	32	38	6	18.2%
82.7%	29	37	8	28.6%
84.0%	29	36	7	25.1%
85.2%	29	36	7	25.0%
86.4%	24	33	9	35.3%
87.7%	23	29	6	24.7%
88.9%	23	29	6	26.6%
90.1%	22	27	5	23.6%
91.4%	21	27	6	29.1%
92.6%	16	27	11	72.3%
93.8%	15	23	8	55.7%
95.1%	14	22	8	62.0%
96.3%	0	21	21	
97.5%	0	19	19	
98.8%	0	16	16	
100.0%	0	16	16	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	2,250	1,356	151.6%
2.5%	868	2,151	1,283	147.7%
3.7%	848	2,099	1,251	147.4%
4.9%	805	1,310	505	62.8%
6.2%	803	1,262	459	57.2%
7.4%	780	911	131	16.8%
8.6%	763	852	90	11.8%
9.9%	741	848	108	14.5%
11.1%	739	780	41	5.5%
12.3%	736	763	27	3.7%
13.6%	722	741	18	2.6%
14.8%	697	736	39	5.6%
16.0%	681	722	42	6.1%
17.3%	675	693	18	2.7%
18.5%	665	676	11	1.7%
19.8%	652	675	23	3.6%
21.0%	642	665	22	3.5%
22.2%	635	652	17	2.7%
23.5%	627	652	24	3.8%
24.7%	626	635	9	1.4%
25.9%	621	606	-16	-2.5%
27.2%	617	575	-42	-6.8%
28.4%	575	566	-9	-1.6%
29.6%	552	529	-23	-4.2%
30.9%	550	529	-21	-3.9%
32.1%	529	524	-4	-0.8%
33.3%	529	504	-25	-4.7%
34.6%	528	498	-30	-5.6%
35.8%	522	478	-44	-8.5%
37.0%	519	477	-43	-8.2%
38.3%	508	458	-50	-9.8%
39.5%	488	454	-34	-7.0%
40.7%	477	434	-43	-9.0%
42.0%	475	416	-59	-12.5%
43.2%	472	407	-64	-13.7%
44.4%	464	404	-61	-13.0%
45.7%	461	394	-68	-14.6%
46.9%	454	391	-63	-13.9%
48.1%	445	388	-57	-12.9%
49.4%	436	380	-55	-12.7%
50.6%	431	342	-88	-20.5%
51.9%	428	341	-88	-20.5%
53.1%	420	328	-92	-22.0%
54.3%	418	327	-91	-21.8%
55.6%	416	326	-90	-21.7%
56.8%	397	323	-74	-18.6%
58.0%	391	321	-70	-17.9%
59.3%	362	280	-82	-22.7%
60.5%	341	264	-78	-22.8%
61.7%	309	263	-46	-14.9%
63.0%	290	251	-39	-13.4%
64.2%	284	235	-49	-17.1%
65.4%	252	213	-39	-15.4%
66.7%	231	210	-21	-9.1%
67.9%	229	189	-40	-17.4%
69.1%	224	188	-36	-16.2%
70.4%	207	182	-26	-12.3%
71.6%	194	181	-13	-6.5%
72.8%	184	180	-4	-2.2%
74.1%	180	177	-4	-2.0%
75.3%	180	176	-4	-2.5%
76.5%	156	162	6	3.8%
77.8%	151	156	4	2.9%
79.0%	148	152	4	2.7%
80.2%	135	152	18	13.1%
81.5%	132	150	18	13.3%
82.7%	118	143	25	21.5%
84.0%	113	142	29	25.5%
85.2%	108	141	34	31.5%
86.4%	103	141	38	37.4%
87.7%	100	119	19	19.1%
88.9%	99	100	0	0.2%
90.1%	95	95	0	0.0%
91.4%	95	84	-11	-11.9%
92.6%	88	81	-6	-7.2%
93.8%	56	76	20	35.3%
95.1%	22	58	36	168.1%
96.3%	20	53	32	
97.5%	0	52	52	
98.8%	0	52	52	
100.0%	0	25	25	

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	1,319	8	0.6%
3.7%	1,290	1,314	23	1.8%
4.9%	1,274	1,274	0	0.0%
6.2%	1,272	1,271	-1	-0.1%
7.4%	1,272	1,242	-30	-2.4%
8.6%	1,257	1,202	-55	-4.4%
9.9%	1,230	1,193	-37	-3.0%
11.1%	1,218	1,188	-30	-2.4%
12.3%	1,205	1,182	-23	-1.9%
13.6%	1,202	1,172	-30	-2.5%
14.8%	1,200	1,158	-42	-3.5%
16.0%	1,182	1,153	-29	-2.5%
17.3%	1,148	1,130	-19	-1.6%
18.5%	1,134	1,127	-7	-0.7%
19.8%	1,127	1,116	-10	-0.9%
21.0%	1,127	1,068	-59	-5.2%
22.2%	1,121	1,062	-59	-5.3%
23.5%	1,121	1,055	-66	-5.9%
24.7%	1,100	950	-150	-13.6%
25.9%	1,089	938	-151	-13.9%
27.2%	1,084	935	-149	-13.7%
28.4%	1,060	925	-135	-12.7%
29.6%	1,057	915	-142	-13.4%
30.9%	1,055	912	-143	-13.5%
32.1%	1,006	852	-154	-15.3%
33.3%	989	835	-153	-15.5%
34.6%	983	831	-152	-15.4%
35.8%	979	799	-180	-18.4%
37.0%	975	785	-190	-19.5%
38.3%	938	774	-164	-17.5%
39.5%	932	738	-193	-20.8%
40.7%	931	715	-216	-23.2%
42.0%	926	668	-258	-27.8%
43.2%	877	666	-212	-24.1%
44.4%	874	629	-244	-28.0%
45.7%	869	600	-269	-30.9%
46.9%	833	597	-236	-28.4%
48.1%	815	556	-259	-31.7%
49.4%	803	545	-258	-32.1%
50.6%	801	531	-271	-33.8%
51.9%	791	525	-266	-33.6%
53.1%	747	523	-224	-30.0%
54.3%	731	501	-230	-31.5%
55.6%	693	475	-218	-31.5%
56.8%	692	471	-222	-32.0%
58.0%	673	467	-206	-30.6%
59.3%	663	451	-212	-32.0%
60.5%	663	443	-220	-33.2%
61.7%	662	439	-223	-33.7%
63.0%	661	424	-237	-35.9%
64.2%	599	411	-188	-31.4%
65.4%	556	410	-146	-26.3%
66.7%	553	407	-146	-26.4%
67.9%	453	403	-50	-11.1%
69.1%	446	399	-47	-10.6%
70.4%	430	391	-39	-9.0%
71.6%	399	377	-21	-5.3%
72.8%	355	370	15	4.2%
74.1%	350	345	-5	-1.6%
75.3%	346	323	-23	-6.6%
76.5%	345	312	-33	-9.4%
77.8%	343	310	-33	-9.6%
79.0%	331	310	-22	-6.6%
80.2%	326	295	-31	-9.4%
81.5%	319	273	-45	-14.2%
82.7%	312	272	-40	-12.7%
84.0%	299	271	-28	-9.3%
85.2%	274	263	-12	-4.2%
86.4%	273	253	-19	-7.1%
87.7%	261	226	-35	-13.5%
88.9%	247	221	-26	-10.5%
90.1%	228	218	-11	-4.7%
91.4%	221	209	-12	-5.6%
92.6%	219	198	-22	-9.9%
93.8%	188	195	7	3.6%
95.1%	167	161	-6	-3.7%
96.3%	161	154	-8	-4.8%
97.5%	114	114	0	-0.1%
98.8%	34	54	20	
100.0%	0	54	54	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	2,015	618	44.3%
1.2%	1,384	1,891	507	36.6%
2.5%	1,383	1,397	14	1.0%
3.7%	1,382	1,380	-2	-0.1%
4.9%	1,380	1,379	-2	-0.1%
6.2%	1,379	1,375	-3	-0.2%
7.4%	1,378	1,367	-11	-0.8%
8.6%	1,375	1,356	-19	-1.4%
9.9%	1,373	1,350	-23	-1.7%
11.1%	1,367	1,330	-37	-2.7%
12.3%	1,361	1,283	-78	-5.7%
13.6%	1,356	1,278	-78	-5.7%
14.8%	1,350	1,273	-77	-5.7%
16.0%	1,331	1,271	-60	-4.5%
17.3%	1,330	1,249	-81	-6.1%
18.5%	1,283	1,216	-66	-5.2%
19.8%	1,282	1,210	-73	-5.7%
21.0%	1,278	1,158	-121	-9.4%
22.2%	1,278	1,059	-219	-17.1%
23.5%	1,273	1,053	-220	-17.2%
24.7%	1,265	973	-293	-23.1%
25.9%	1,259	958	-302	-24.0%
27.2%	1,249	938	-311	-24.9%
28.4%	1,210	893	-316	-26.1%
29.6%	1,193	828	-365	-30.6%
30.9%	1,174	816	-358	-30.5%
32.1%	1,158	795	-363	-31.4%
33.3%	1,150	752	-398	-34.6%
34.6%	1,043	712	-331	-31.7%
35.8%	1,012	622	-390	-38.5%
37.0%	976	618	-358	-36.7%
38.3%	973	609	-364	-37.4%
39.5%	968	589	-378	-39.1%
40.7%	956	562	-394	-41.2%
42.0%	955	558	-397	-41.6%
43.2%	945	548	-397	-42.0%
44.4%	940	548	-392	-41.7%
45.7%	897	540	-357	-39.8%
46.9%	875	531	-344	-39.3%
48.1%	844	501	-342	-40.6%
49.4%	843	501	-342	-40.6%
50.6%	836	491	-345	-41.2%
51.9%	831	487	-344	-41.4%
53.1%	822	486	-337	-41.0%
54.3%	815	468	-346	-42.5%
55.6%	796	462	-334	-41.9%
56.8%	776	453	-323	-41.7%
58.0%	756	453	-303	-40.1%
59.3%	752	449	-304	-40.4%
60.5%	749	447	-302	-40.4%
61.7%	688	444	-243	-35.4%
63.0%	666	441	-225	-33.8%
64.2%	627	433	-194	-30.9%
65.4%	618	430	-189	-30.5%
66.7%	569	414	-154	-27.2%
67.9%	534	412	-122	-22.8%
69.1%	492	411	-81	-16.4%
70.4%	422	409	-14	-3.3%
71.6%	395	399	3	0.9%
72.8%	372	392	19	5.2%
74.1%	360	380	20	5.7%
75.3%	353	372	18	5.2%
76.5%	353	359	6	1.7%
77.8%	333	356	22	6.8%
79.0%	324	353	29	8.8%
80.2%	323	352	29	8.9%
81.5%	299	351	52	17.4%
82.7%	299	351	53	17.7%
84.0%	291	339	48	16.6%
85.2%	290	337	46	16.0%
86.4%	285	334	49	17.3%
87.7%	261	318	56	21.6%
88.9%	260	313	53	20.3%
90.1%	252	304	53	21.0%
91.4%	249	296	48	19.2%
92.6%	222	291	69	31.1%
93.8%	201	287	87	43.2%
95.1%	158	278	120	75.8%
96.3%	69	262	193	278.7%
97.5%	0	222	222	
98.8%	0	172	172	
100.0%	0	62	62	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,250	1,136	102.0%
1.2%	1,103	1,909	806	73.0%
2.5%	1,103	1,392	289	26.2%
3.7%	1,102	1,114	12	1.1%
4.9%	1,101	1,103	2	0.2%
6.2%	1,100	1,103	3	0.2%
7.4%	1,100	1,102	2	0.2%
8.6%	1,092	1,101	9	0.9%
9.9%	1,091	1,100	9	0.8%
11.1%	1,086	1,100	13	1.2%
12.3%	1,083	1,092	9	0.8%
13.6%	1,080	1,091	11	1.1%
14.8%	1,078	1,083	4	0.4%
16.0%	1,064	1,080	16	1.5%
17.3%	1,062	1,078	16	1.5%
18.5%	1,028	1,062	34	3.3%
19.8%	1,024	1,024	0	0.0%
21.0%	1,021	1,015	-6	-0.6%
22.2%	1,017	1,000	-17	-1.7%
23.5%	1,012	955	-57	-5.6%
24.7%	1,000	954	-47	-4.7%
25.9%	963	949	-14	-1.4%
27.2%	954	928	-25	-2.6%
28.4%	953	923	-29	-3.1%
29.6%	937	897	-41	-4.3%
30.9%	935	856	-79	-8.4%
32.1%	923	856	-67	-7.3%
33.3%	918	825	-93	-10.1%
34.6%	904	796	-108	-12.0%
35.8%	805	795	-10	-1.3%
37.0%	788	774	-15	-1.8%
38.3%	782	759	-23	-2.9%
39.5%	779	712	-68	-8.7%
40.7%	776	681	-95	-12.3%
42.0%	768	680	-87	-11.4%
43.2%	754	671	-83	-11.0%
44.4%	713	660	-54	-7.5%
45.7%	698	658	-40	-5.7%
46.9%	672	638	-34	-5.0%
48.1%	660	630	-30	-4.5%
49.4%	659	593	-66	-10.0%
50.6%	654	542	-112	-17.2%
51.9%	635	494	-141	-22.2%
53.1%	635	469	-167	-26.3%
54.3%	622	464	-158	-25.4%
55.6%	619	457	-162	-26.1%
56.8%	603	434	-169	-28.0%
58.0%	599	432	-167	-27.9%
59.3%	581	431	-150	-25.9%
60.5%	567	429	-137	-24.2%
61.7%	548	417	-131	-23.9%
63.0%	523	403	-120	-22.9%
64.2%	522	403	-119	-22.8%
65.4%	494	398	-97	-19.6%
66.7%	494	388	-106	-21.4%
67.9%	467	378	-89	-19.0%
69.1%	467	362	-105	-22.5%
70.4%	455	362	-93	-20.4%
71.6%	426	361	-65	-15.3%
72.8%	424	349	-75	-17.6%
74.1%	423	341	-82	-19.4%
75.3%	412	334	-78	-18.9%
76.5%	390	333	-56	-14.5%
77.8%	386	331	-54	-14.1%
79.0%	362	313	-48	-13.4%
80.2%	316	313	-3	-0.9%
81.5%	298	310	13	4.2%
82.7%	287	296	9	3.1%
84.0%	266	288	22	8.4%
85.2%	258	272	15	5.6%
86.4%	257	267	10	4.0%
87.7%	232	267	34	14.8%
88.9%	230	257	27	11.8%
90.1%	209	245	36	17.3%
91.4%	208	238	30	14.7%
92.6%	198	237	39	19.6%
93.8%	156	233	77	49.4%
95.1%	126	223	97	76.5%
96.3%	51	216	165	326.2%
97.5%	0	204	204	
98.8%	0	142	142	
100.0%	0	62	62	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	339	-13	-3.6%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	273	-26	-8.7%
8.6%	298	266	-32	-10.8%
9.9%	296	264	-33	-11.0%
11.1%	288	256	-33	-11.3%
12.3%	280	241	-39	-13.9%
13.6%	275	221	-54	-19.7%
14.8%	275	221	-54	-19.7%
16.0%	273	214	-59	-21.5%
17.3%	273	205	-68	-24.8%
18.5%	267	201	-66	-24.6%
19.8%	266	196	-70	-26.4%
21.0%	265	169	-96	-36.3%
22.2%	264	167	-96	-36.6%
23.5%	260	162	-98	-37.6%
24.7%	251	159	-92	-36.5%
25.9%	248	137	-112	-45.0%
27.2%	243	130	-113	-46.4%
28.4%	228	127	-101	-44.2%
29.6%	225	121	-104	-46.2%
30.9%	225	119	-106	-47.0%
32.1%	214	109	-105	-49.1%
33.3%	212	109	-103	-48.7%
34.6%	212	108	-104	-48.9%
35.8%	196	106	-90	-45.8%
37.0%	181	101	-79	-43.8%
38.3%	180	91	-89	-49.6%
39.5%	172	88	-84	-49.0%
40.7%	160	78	-82	-51.3%
42.0%	160	78	-82	-51.2%
43.2%	158	73	-85	-54.0%
44.4%	155	72	-83	-53.5%
45.7%	135	70	-65	-48.1%
46.9%	131	68	-63	-47.9%
48.1%	130	62	-68	-52.3%
49.4%	117	62	-55	-46.9%
50.6%	111	59	-51	-46.4%
51.9%	108	58	-49	-45.8%
53.1%	104	58	-47	-44.7%
54.3%	104	57	-47	-44.8%
55.6%	104	57	-47	-44.9%
56.8%	104	57	-47	-45.2%
58.0%	104	55	-48	-46.6%
59.3%	97	54	-43	-44.6%
60.5%	96	53	-42	-44.2%
61.7%	92	51	-41	-44.2%
63.0%	91	49	-43	-46.6%
64.2%	91	48	-43	-46.9%
65.4%	91	48	-43	-46.8%
66.7%	88	48	-40	-45.5%
67.9%	83	47	-36	-43.4%
69.1%	82	47	-36	-43.3%
70.4%	82	46	-36	-43.6%
71.6%	82	44	-38	-46.4%
72.8%	79	44	-36	-45.1%
74.1%	76	39	-37	-49.1%
75.3%	73	37	-36	-49.2%
76.5%	72	37	-35	-48.2%
77.8%	71	33	-39	-53.9%
79.0%	63	30	-34	-53.0%
80.2%	57	26	-31	-54.6%
81.5%	56	24	-31	-56.2%
82.7%	54	22	-32	-59.4%
84.0%	51	21	-29	-57.9%
85.2%	32	20	-11	-36.4%
86.4%	23	20	-4	-15.5%
87.7%	22	18	-3	-15.9%
88.9%	21	16	-6	-26.8%
90.1%	20	15	-6	-27.8%
91.4%	18	14	-4	-20.3%
92.6%	16	14	-3	-16.6%
93.8%	16	12	-4	-24.0%
95.1%	15	12	-3	-19.4%
96.3%	12	12	0	-2.2%
97.5%	0	9	9	
98.8%	0	7	7	
100.0%	0	6	6	

Table OP-02-9a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative D	714	425	586	240	277	573	2,310	2,088	2,451	2,253	1,956	472
Difference	-39	-20	376	157	209	533	120	3	-453	-545	-110	-76
Percent Difference[3]	-5.2%	-4.5%					5.5%	0.1%	-15.6%	-19.5%	-5.3%	-13.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative D	675	369	684	258	267	317	2,116	2,253	2,826	2,297	2,287	462
Difference	-118	-91	455	177	200	286	94	131	-143	-574	148	-114
Percent Difference	-14.9%	-19.8%					4.6%	6.2%	-4.8%	-20.0%	6.9%	-19.8%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative D	875	516	797	326	352	859	2,542	2,341	2,495	2,293	1,948	508
Difference	96	64	590	253	288	833	382	264	-488	-595	-198	-65
Percent Difference	12.3%	14.1%					17.7%	12.7%	-16.3%	-20.6%	-9.2%	-11.3%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative D	709	432	612	281	289	748	2,724	2,241	2,517	2,288	1,839	477
Difference	-71	-30	416	191	221	703	422	62	-435	-598	-319	-87
Percent Difference	-9.1%	-6.5%					18.3%	2.9%	-14.7%	-20.7%	-14.8%	-15.4%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative D	733	464	463	179	294	791	2,316	1,878	1,987	2,256	1,841	493
Difference	-51	36	240	92	225	748	-1	-268	-971	-585	-268	-50
Percent Difference	-6.5%	8.5%	107.5%				0.0%	-12.5%	-32.8%	-20.6%	-12.7%	-9.2%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative D	618	390	316	160	182	310	2,007	1,613	2,210	2,071	1,554	421
Difference	52	-22	146	71	114	245	-258	-198	-331	-313	-103	-35
Percent Difference	9.1%	-5.4%	85.9%				-11.4%	-10.9%	-13.0%	-13.1%	-6.2%	-7.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-9b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

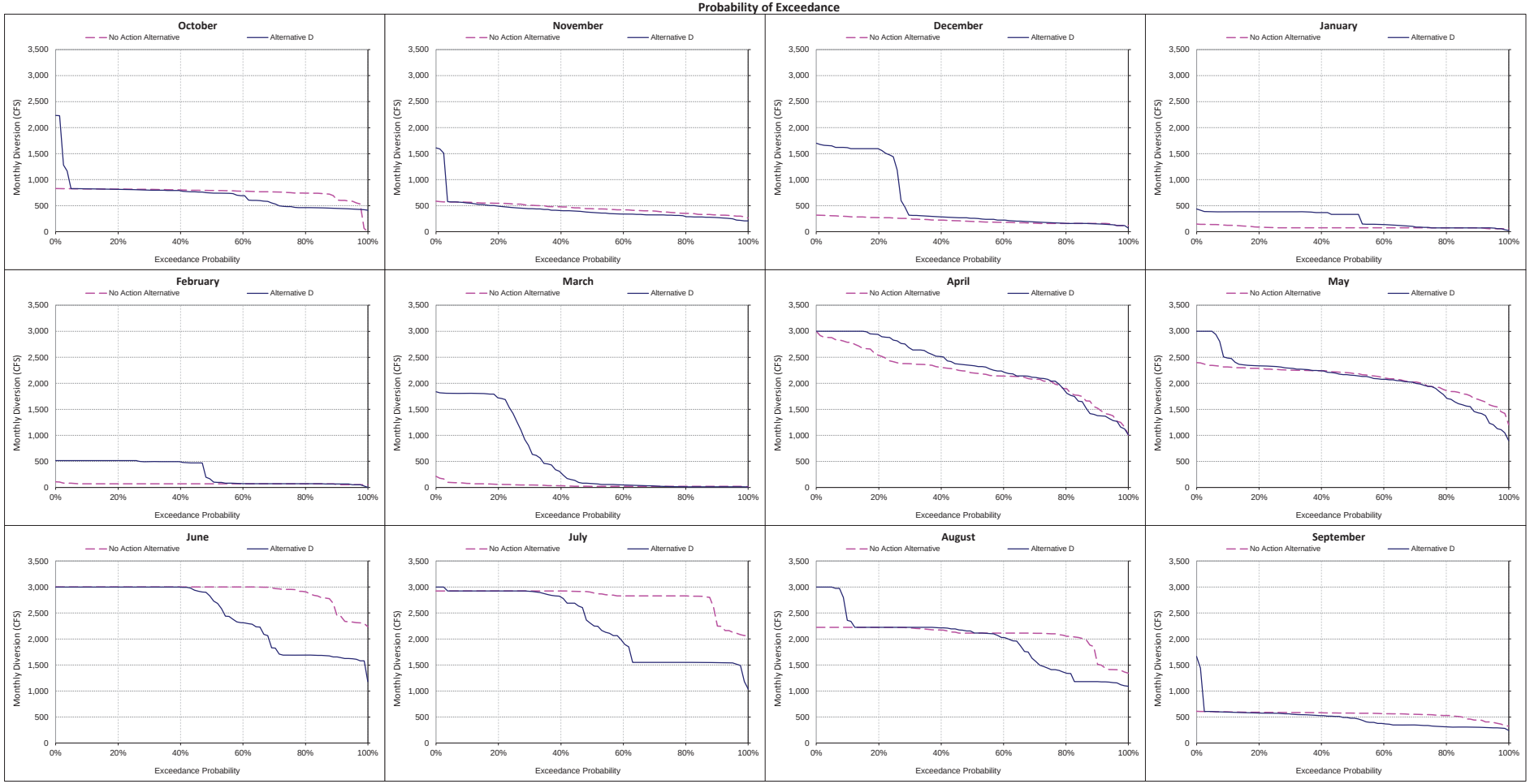

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	1,280	454	54.9%
3.7%	825	1,167	341	41.4%
4.9%	825	828	2	0.3%
6.2%	823	825	2	0.2%
7.4%	823	825	2	0.2%
8.6%	823	823	0	0.0%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	822	0	0.0%
13.6%	821	821	-1	-0.1%
14.8%	821	820	-1	-0.2%
16.0%	821	819	-2	-0.2%
17.3%	820	818	-2	-0.3%
18.5%	819	815	-4	-0.5%
19.8%	819	815	-5	-0.6%
21.0%	819	813	-6	-0.8%
22.2%	818	812	-6	-0.7%
23.5%	816	809	-6	-0.8%
24.7%	816	807	-8	-1.0%
25.9%	815	805	-10	-1.3%
27.2%	815	803	-12	-1.5%
28.4%	814	802	-13	-1.6%
29.6%	813	799	-14	-1.7%
30.9%	812	796	-16	-1.9%
32.1%	811	796	-15	-1.9%
33.3%	809	795	-15	-1.8%
34.6%	809	794	-14	-1.8%
35.8%	807	793	-14	-1.7%
37.0%	806	791	-15	-1.8%
38.3%	805	791	-14	-1.8%
39.5%	803	790	-12	-1.5%
40.7%	802	779	-23	-2.8%
42.0%	799	773	-25	-3.2%
43.2%	796	767	-29	-3.7%
44.4%	796	765	-31	-3.9%
45.7%	795	761	-34	-4.2%
46.9%	794	760	-34	-4.3%
48.1%	793	754	-39	-5.0%
49.4%	792	743	-49	-6.1%
50.6%	791	742	-49	-6.2%
51.9%	791	741	-49	-6.2%
53.1%	790	741	-49	-6.2%
54.3%	787	739	-49	-6.2%
55.6%	787	738	-49	-6.2%
56.8%	787	734	-53	-6.8%
58.0%	781	702	-79	-10.2%
59.3%	779	693	-86	-11.0%
60.5%	778	691	-86	-11.1%
61.7%	777	607	-170	-21.9%
63.0%	773	602	-172	-22.2%
64.2%	772	601	-170	-22.1%
65.4%	768	596	-172	-22.4%
66.7%	767	587	-180	-23.5%
67.9%	767	584	-183	-23.9%
69.1%	765	553	-212	-27.7%
70.4%	764	532	-232	-30.4%
71.6%	761	496	-265	-34.8%
72.8%	760	486	-274	-36.1%
74.1%	754	480	-274	-36.3%
75.3%	749	480	-270	-36.0%
76.5%	743	465	-278	-37.4%
77.8%	743	464	-279	-37.6%
79.0%	742	462	-280	-37.8%
80.2%	741	462	-280	-37.7%
81.5%	741	460	-281	-37.9%
82.7%	739	459	-279	-37.8%
84.0%	738	459	-279	-37.8%
85.2%	734	458	-275	-37.5%
86.4%	727	458	-269	-37.0%
87.7%	722	456	-267	-36.9%
88.9%	693	454	-239	-34.5%
90.1%	607	448	-159	-26.2%
91.4%	602	441	-160	-26.6%
92.6%	601	441	-160	-26.6%
93.8%	587	439	-148	-25.2%
95.1%	584	439	-145	-24.8%
96.3%	553	434	-119	-21.4%
97.5%	532	426	-106	-19.9%
98.8%	63	424	361	573.9%
100.0%	0	413	413	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	562	-7	-1.2%
9.9%	566	552	-14	-2.5%
11.1%	564	546	-18	-3.2%
12.3%	560	537	-23	-4.1%
13.6%	555	524	-31	-5.6%
14.8%	551	524	-26	-4.8%
16.0%	550	514	-36	-6.5%
17.3%	548	501	-48	-8.7%
18.5%	546	500	-47	-8.5%
19.8%	546	494	-51	-9.4%
21.0%	545	489	-56	-10.4%
22.2%	544	473	-72	-13.1%
23.5%	539	466	-73	-13.5%
24.7%	533	465	-67	-12.6%
25.9%	529	456	-73	-13.7%
27.2%	529	450	-79	-14.9%
28.4%	516	450	-66	-12.8%
29.6%	508	444	-64	-12.6%
30.9%	507	442	-64	-12.7%
32.1%	502	437	-66	-13.1%
33.3%	501	435	-66	-13.1%
34.6%	501	428	-73	-14.5%
35.8%	482	426	-56	-11.7%
37.0%	482	412	-69	-14.4%
38.3%	481	412	-69	-14.4%
39.5%	479	405	-74	-15.4%
40.7%	475	402	-72	-15.3%
42.0%	474	401	-73	-15.5%
43.2%	465	400	-65	-13.9%
44.4%	457	400	-58	-12.6%
45.7%	457	390	-67	-14.7%
46.9%	450	387	-63	-14.0%
48.1%	443	378	-66	-14.8%
49.4%	442	370	-72	-16.2%
50.6%	438	368	-71	-16.1%
51.9%	438	361	-77	-17.6%
53.1%	436	357	-79	-18.1%
54.3%	435	356	-79	-18.2%
55.6%	428	347	-81	-19.0%
56.8%	426	344	-81	-19.1%
58.0%	421	341	-80	-18.9%
59.3%	420	341	-79	-18.8%
60.5%	420	338	-82	-19.6%
61.7%	417	338	-80	-19.1%
63.0%	411	335	-75	-18.4%
64.2%	408	331	-77	-18.9%
65.4%	405	330	-75	-18.4%
66.7%	401	325	-76	-18.9%
67.9%	400	325	-75	-18.9%
69.1%	398	323	-75	-18.8%
70.4%	396	323	-72	-18.3%
71.6%	386	323	-63	-16.4%
72.8%	379	322	-57	-15.0%
74.1%	376	319	-57	-15.1%
75.3%	369	316	-53	-14.5%
76.5%	364	313	-51	-14.0%
77.8%	357	312	-45	-12.6%
79.0%	353	305	-48	-13.6%
80.2%	351	289	-61	-17.5%
81.5%	349	288	-61	-17.3%
82.7%	346	284	-62	-17.8%
84.0%	333	283	-50	-15.1%
85.2%	331	281	-50	-15.1%
86.4%	330	279	-51	-15.5%
87.7%	330	279	-51	-15.4%
88.9%	323	277	-46	-14.2%
90.1%	322	268	-54	-16.8%
91.4%	318	266	-53	-16.5%
92.6%	318	259	-59	-18.6%
93.8%	312	256	-56	-18.1%
95.1%	306	248	-58	-18.9%
96.3%	299	222	-77	-25.8%
97.5%	298	216	-82	-27.6%
98.8%	285	209	-76	-26.7%
100.0%	263	205	-57	-21.8%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,674	1,358	429.8%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,558	1,290	480.7%
22.2%	268	1,505	1,237	461.5%
23.5%	268	1,476	1,208	451.0%
24.7%	263	1,439	1,176	447.0%
25.9%	259	1,187	928	358.0%
27.2%	255	596	341	133.5%
28.4%	254	473	219	86.0%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	306	69	29.1%
34.6%	235	304	69	29.1%
35.8%	231	298	66	28.6%
37.0%	225	296	72	31.9%
38.3%	224	292	69	30.6%
39.5%	222	284	62	27.9%
40.7%	222	282	61	27.3%
42.0%	216	277	61	28.0%
43.2%	212	272	60	28.3%
44.4%	212	271	59	28.0%
45.7%	209	268	59	28.1%
46.9%	204	268	64	31.2%
48.1%	201	268	67	33.0%
49.4%	197	259	62	31.5%
50.6%	194	255	61	31.6%
51.9%	193	254	61	31.5%
53.1%	189	240	51	26.9%
54.3%	185	239	55	29.5%
55.6%	184	239	55	29.9%
56.8%	183	237	54	29.7%
58.0%	181	225	44	24.4%
59.3%	180	222	42	23.4%
60.5%	179	222	42	23.7%
61.7%	179	212	34	18.9%
63.0%	175	210	35	19.8%
64.2%	172	204	33	19.0%
65.4%	171	201	30	17.5%
66.7%	171	197	26	15.0%
67.9%	166	194	27	16.5%
69.1%	161	193	32	19.8%
70.4%	161	185	24	14.7%
71.6%	159	183	24	15.1%
72.8%	158	180	22	14.2%
74.1%	158	172	14	8.8%
75.3%	158	171	14	8.6%
76.5%	158	171	14	8.6%
77.8%	158	161	4	2.4%
79.0%	158	161	3	2.0%
80.2%	158	159	1	0.5%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	158	0	0.0%
85.2%	158	158	0	0.0%
86.4%	158	158	0	0.0%
87.7%	158	158	0	0.0%
88.9%	158	157	0	-0.3%
90.1%	158	152	-6	-3.7%
91.4%	158	141	-17	-10.6%
92.6%	158	139	-19	-11.9%
93.8%	152	139	-13	-8.4%
95.1%	138	131	-7	-5.3%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	119	0	0.0%
100.0%	119	66	-53	-44.6%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	384	309	413.0%
37.0%	75	373	298	398.8%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	365	291	388.4%
43.2%	75	332	258	344.2%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	332	258	344.2%
53.1%	75	147	72	95.9%
54.3%	75	144	69	92.7%
55.6%	75	141	66	87.9%
56.8%	75	141	66	87.9%
58.0%	75	139	65	86.2%
59.3%	75	137	63	83.6%
60.5%	75	137	62	82.5%
61.7%	75	133	59	78.2%
63.0%	75	122	47	63.2%
64.2%	75	122	47	63.2%
65.4%	75	120	45	60.0%
66.7%	75	114	39	52.5%
67.9%	75	108	33	44.5%
69.1%	75	101	26	34.5%
70.4%	75	87	12	16.6%
71.6%	75	87	12	16.1%
72.8%	75	82	7	10.0%
74.1%	75	80	6	7.5%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	37	-19	-33.8%
100.0%	56	23	-33	-58.8%

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	496	428	625.5%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	479	411	600.5%
42.0%	68	474	405	592.2%
43.2%	68	471	402	587.8%
44.4%	68	471	402	587.8%
45.7%	68	471	402	587.8%
46.9%	68	471	402	587.8%
48.1%	68	194	126	183.7%
49.4%	68	164	96	139.7%
50.6%	68	100	32	46.7%
51.9%	68	97	29	41.7%
53.1%	68	93	25	35.9%
54.3%	68	83	14	20.7%
55.6%	68	80	12	16.9%
56.8%	68	80	11	16.5%
58.0%	68	77	9	13.2%
59.3%	68	74	6	8.7%
60.5%	68	68	0	0.0%
61.7%	68	68	0	0.0%
63.0%	68	68	0	0.0%
64.2%	68	68	0	0.0%
65.4%	68	68	0	0.0%
66.7%	68	68	0	0.0%
67.9%	68	68	0	0.0%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	66	0	0.0%
87.7%	66	66	0	0.0%
88.9%	66	66	0	0.0%
90.1%	52	66	14	27.8%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	52	0	0.0%
96.3%	52	52	0	0.0%
97.5%	52	52	0	0.0%
98.8%	50	26	-24	-48.5%
100.0%	50	0	-50	-100.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,819	1,643	935.0%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,802	1,733	
16.0%	66	1,797	1,731	
17.3%	66	1,793	1,727	
18.5%	61	1,793	1,731	
19.8%	58	1,724	1,665	
21.0%	58	1,709	1,651	
22.2%	56	1,689	1,633	
23.5%	56	1,540	1,484	
24.7%	50	1,418	1,368	
25.9%	48	1,257	1,209	
27.2%	47	1,104	1,058	
28.4%	46	920	874	
29.6%	46	812	766	
30.9%	45	633	588	
32.1%	44	616	572	
33.3%	41	565	524	
34.6%	40	460	419	
35.8%	33	448	416	
37.0%	32	432	399	
38.3%	32	342	310	961.3%
39.5%	30	310	279	916.5%
40.7%	30	235	204	676.2%
42.0%	25	171	146	589.9%
43.2%	25	150	125	506.1%
44.4%	22	136	114	515.0%
45.7%	22	94	72	325.5%
46.9%	22	82	60	272.0%
48.1%	22	78	57	260.2%
49.4%	20	74	54	277.9%
50.6%	20	71	52	266.1%
51.9%	20	67	47	242.5%
53.1%	20	55	36	183.6%
54.3%	20	54	35	177.2%
55.6%	20	53	34	171.8%
56.8%	20	53	34	171.8%
58.0%	20	51	31	160.0%
59.3%	20	47	27	138.8%
60.5%	20	46	27	136.4%
61.7%	20	45	25	128.9%
63.0%	20	39	20	101.0%
64.2%	20	37	17	89.2%
65.4%	20	35	15	77.4%
66.7%	20	33	14	70.3%
67.9%	20	33	13	66.9%
69.1%	20	32	13	65.7%
70.4%	20	28	8	42.3%
71.6%	20	22	3	14.5%
72.8%	20	22	3	13.2%
74.1%	20	16	-3	-16.9%
75.3%	20	14	-6	-28.8%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.8%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	2,993	327	12.3%
17.3%	2,660	2,953	292	11.0%
18.5%	2,585	2,945	360	13.9%
19.8%	2,543	2,943	400	15.7%
21.0%	2,518	2,897	379	15.0%
22.2%	2,484	2,885	401	16.2%
23.5%	2,433	2,883	450	18.5%
24.7%	2,414	2,832	417	17.3%
25.9%	2,395	2,818	423	17.7%
27.2%	2,380	2,768	388	16.3%
28.4%	2,379	2,755	376	15.8%
29.6%	2,377	2,688	311	13.1%
30.9%	2,374	2,643	269	11.3%
32.1%	2,366	2,643	277	11.7%
33.3%	2,364	2,641	278	11.8%
34.6%	2,363	2,630	266	11.3%
35.8%	2,353	2,585	233	9.9%
37.0%	2,347	2,555	208	8.9%
38.3%	2,323	2,521	198	8.5%
39.5%	2,310	2,518	209	9.0%
40.7%	2,299	2,506	207	9.0%
42.0%	2,291	2,429	138	6.0%
43.2%	2,283	2,414	131	5.7%
44.4%	2,267	2,379	112	4.9%
45.7%	2,248	2,366	118	5.3%
46.9%	2,239	2,364	124	5.5%
48.1%	2,235	2,352	117	5.2%
49.4%	2,205	2,346	141	6.4%
50.6%	2,197	2,339	142	6.5%
51.9%	2,189	2,323	134	6.1%
53.1%	2,181	2,323	142	6.5%
54.3%	2,173	2,311	137	6.3%
55.6%	2,151	2,277	126	5.9%
56.8%	2,144	2,250	106	5.0%
58.0%	2,142	2,239	97	4.5%
59.3%	2,141	2,238	98	4.6%
60.5%	2,139	2,207	68	3.2%
61.7%	2,136	2,189	54	2.5%
63.0%	2,135	2,181	46	2.1%
64.2%	2,130	2,144	13	0.6%
65.4%	2,130	2,142	12	0.5%
66.7%	2,116	2,141	24	1.2%
67.9%	2,090	2,135	45	2.1%
69.1%	2,080	2,116	37	1.8%
70.4%	2,077	2,112	35	1.7%
71.6%	2,077	2,099	22	1.1%
72.8%	2,042	2,090	48	2.4%
74.1%	2,042	2,077	35	1.7%
75.3%	2,034	2,042	8	0.4%
76.5%	1,983	2,042	59	3.0%
77.8%	1,967	1,983	16	0.8%
79.0%	1,903	1,903	0	0.0%
80.2%	1,895	1,809	-86	-4.5%
81.5%	1,809	1,768	-41	-2.3%
82.7%	1,777	1,747	-29	-1.7%
84.0%	1,768	1,659	-109	-6.1%
85.2%	1,747	1,649	-98	-5.6%
86.4%	1,662	1,522	-139	-8.4%
87.7%	1,659	1,418	-241	-14.5%
88.9%	1,555	1,402	-153	-9.8%
90.1%	1,522	1,376	-146	-9.6%
91.4%	1,466	1,375	-91	-6.2%
92.6%	1,418	1,367	-51	-3.6%
93.8%	1,402	1,325	-77	-5.5%
95.1%	1,375	1,285	-90	-6.5%
96.3%	1,271	1,271	0	0.0%
97.5%	1,249	1,158	-91	-7.3%
98.8%	1,158	1,126	-33	-2.8%
100.0%	1,002	1,009	6	0.6%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	2,943	604	25.8%
7.4%	2,331	2,806	475	20.4%
8.6%	2,315	2,507	192	8.3%
9.9%	2,315	2,485	170	7.3%
11.1%	2,310	2,477	167	7.2%
12.3%	2,299	2,405	105	4.6%
13.6%	2,299	2,368	69	3.0%
14.8%	2,299	2,358	59	2.6%
16.0%	2,296	2,346	49	2.1%
17.3%	2,289	2,343	54	2.3%
18.5%	2,289	2,339	51	2.2%
19.8%	2,289	2,338	49	2.1%
21.0%	2,284	2,332	49	2.1%
22.2%	2,274	2,331	57	2.5%
23.5%	2,274	2,330	57	2.5%
24.7%	2,266	2,325	59	2.6%
25.9%	2,266	2,315	49	2.2%
27.2%	2,261	2,310	49	2.2%
28.4%	2,258	2,296	38	1.7%
29.6%	2,255	2,291	36	1.6%
30.9%	2,252	2,289	36	1.6%
32.1%	2,250	2,274	23	1.0%
33.3%	2,250	2,274	24	1.1%
34.6%	2,248	2,266	18	0.8%
35.8%	2,247	2,261	13	0.6%
37.0%	2,245	2,247	2	0.1%
38.3%	2,245	2,245	0	0.0%
39.5%	2,242	2,242	0	0.0%
40.7%	2,242	2,237	-5	-0.2%
42.0%	2,237	2,213	-24	-1.1%
43.2%	2,222	2,206	-16	-0.7%
44.4%	2,219	2,198	-21	-0.9%
45.7%	2,213	2,178	-36	-1.6%
46.9%	2,211	2,167	-44	-2.0%
48.1%	2,206	2,165	-41	-1.9%
49.4%	2,198	2,155	-43	-2.0%
50.6%	2,185	2,154	-31	-1.4%
51.9%	2,185	2,141	-44	-2.0%
53.1%	2,165	2,133	-32	-1.5%
54.3%	2,162	2,130	-32	-1.5%
55.6%	2,147	2,118	-29	-1.3%
56.8%	2,141	2,093	-49	-2.3%
58.0%	2,133	2,086	-47	-2.2%
59.3%	2,118	2,078	-40	-1.9%
60.5%	2,100	2,076	-24	-1.1%
61.7%	2,086	2,068	-18	-0.9%
63.0%	2,086	2,066	-20	-1.0%
64.2%	2,076	2,054	-22	-1.1%
65.4%	2,066	2,047	-19	-0.9%
66.7%	2,045	2,031	-14	-0.7%
67.9%	2,032	2,028	-4	-0.2%
69.1%	2,025	2,025	0	0.0%
70.4%	2,024	1,999	-25	-1.2%
71.6%	2,007	1,987	-19	-1.0%
72.8%	1,990	1,961	-29	-1.5%
74.1%	1,944	1,944	0	0.0%
75.3%	1,937	1,938	2	0.1%
76.5%	1,926	1,901	-24	-1.3%
77.8%	1,921	1,843	-78	-4.1%
79.0%	1,882	1,790	-92	-4.9%
80.2%	1,856	1,709	-147	-7.9%
81.5%	1,843	1,692	-150	-8.2%
82.7%	1,840	1,642	-199	-10.8%
84.0%	1,825	1,607	-217	-11.9%
85.2%	1,797	1,586	-211	-11.7%
86.4%	1,790	1,562	-227	-12.7%
87.7%	1,762	1,552	-209	-11.9%
88.9%	1,709	1,456	-253	-14.8%
90.1%	1,692	1,433	-259	-15.3%
91.4%	1,667	1,418	-249	-14.9%
92.6%	1,642	1,377	-265	-16.1%
93.8%	1,586	1,231	-355	-22.4%
95.1%	1,562	1,202	-360	-23.0%
96.3%	1,547	1,128	-419	-27.1%
97.5%	1,456	1,110	-347	-23.8%
98.8%	1,422	1,049	-373	-26.2%
100.0%	1,202	901	-301	-25.0%

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%	0.0%	2,923	3,000	77	2.6%	0.0%	2,224	3,000	776	34.9%	0.0%	609	1,665	1,055	173.2%
1.2%	3,000	3,000	0	0.0%	1.2%	2,923	3,000	77	2.6%	1.2%	2,224	3,000	776	34.9%	1.2%	607	1,442	835	137.6%
2.5%	3,000	3,000	0	0.0%	2.5%	2,923	3,000	77	2.6%	2.5%	2,224	3,000	776	34.9%	2.5%	607	607	0	0.0%
3.7%	3,000	3,000	0	0.0%	3.7%	2,923	2,923	0	0.0%	3.7%	2,224	3,000	776	34.9%	3.7%	605	606	1	0.1%
4.9%	3,000	3,000	0	0.0%	4.9%	2,923	2,923	0	0.0%	4.9%	2,224	3,000	776	34.9%	4.9%	604	605	1	0.2%
6.2%	3,000	3,000	0	0.0%	6.2%	2,923	2,923	0	0.0%	6.2%	2,224	2,974	750	33.7%	6.2%	601	600	0	-0.1%
7.4%	3,000	3,000	0	0.0%	7.4%	2,923	2,923	0	0.0%	7.4%	2,224	2,971	747	33.6%	7.4%	600	599	-1	-0.1%
8.6%	3,000	3,000	0	0.0%	8.6%	2,923	2,923	0	0.0%	8.6%	2,224	2,799	575	25.9%	8.6%	599	596	-3	-0.5%
9.9%	3,000	3,000	0	0.0%	9.9%	2,923	2,923	0	0.0%	9.9%	2,224	2,358	134	6.0%	9.9%	599	595	-4	-0.7%
11.1%	3,000	3,000	0	0.0%	11.1%	2,923	2,923	0	0.0%	11.1%	2,224	2,339	115	5.2%	11.1%	597	590	-7	-1.1%
12.3%	3,000	3,000	0	0.0%	12.3%	2,923	2,923	0	0.0%	12.3%	2,224	2,224	0	0.0%	12.3%	597	588	-9	-1.6%
13.6%	3,000	3,000	0	0.0%	13.6%	2,923	2,923	0	0.0%	13.6%	2,224	2,224	0	0.0%	13.6%	595	587	-8	-1.3%
14.8%	3,000	3,000	0	0.0%	14.8%	2,923	2,923	0	0.0%	14.8%	2,224	2,224	0	0.0%	14.8%	592	586	-6	-1.0%
16.0%	3,000	3,000	0	0.0%	16.0%	2,923	2,923	0	0.0%	16.0%	2,224	2,224	0	0.0%	16.0%	591	583	-8	-1.3%
17.3%	3,000	3,000	0	0.0%	17.3%	2,923	2,923	0	0.0%	17.3%	2,224	2,224	0	0.0%	17.3%	591	582	-9	-1.5%
18.5%	3,000	3,000	0	0.0%	18.5%	2,923	2,923	0	0.0%	18.5%	2,224	2,224	0	0.0%	18.5%	590	578	-12	-2.1%
19.8%	3,000	3,000	0	0.0%	19.8%	2,923	2,923	0	0.0%	19.8%	2,224	2,224	0	0.0%	19.8%	590	578	-13	-2.1%
21.0%	3,000	3,000	0	0.0%	21.0%	2,923	2,923	0	0.0%	21.0%	2,224	2,224	0	0.0%	21.0%	590	577	-13	-2.3%
22.2%	3,000	3,000	0	0.0%	22.2%	2,923	2,923	0	0.0%	22.2%	2,224	2,224	0	0.0%	22.2%	590	576	-14	-2.3%
23.5%	3,000	3,000	0	0.0%	23.5%	2,923	2,923	0	0.0%	23.5%	2,224	2,224	0	0.0%	23.5%	590	572	-17	-2.9%
24.7%	3,000	3,000	0	0.0%	24.7%	2,923	2,923	0	0.0%	24.7%	2,224	2,224	0	0.0%	24.7%	589	571	-17	-2.9%
25.9%	3,000	3,000	0	0.0%	25.9%	2,923	2,923	0	0.0%	25.9%	2,221	2,224	3	0.1%	25.9%	588	570	-19	-3.2%
27.2%	3,000	3,000	0	0.0%	27.2%	2,923	2,923	0	0.0%	27.2%	2,221	2,224	3	0.1%	27.2%	588	568	-20	-3.3%
28.4%	3,000	3,000	0	0.0%	28.4%	2,923	2,923	0	0.0%	28.4%	2,219	2,224	5	0.2%	28.4%	588	561	-27	-4.5%
29.6%	3,000	3,000	0	0.0%	29.6%	2,923	2,918	-5	-0.2%	29.6%	2,214	2,224	10	0.5%	29.6%	587	561	-26	-4.4%
30.9%	3,000	3,000	0	0.0%	30.9%	2,923	2,915	-8	-0.3%	30.9%	2,210	2,224	14	0.6%	30.9%	586	550	-36	-6.2%
32.1%	3,000	3,000	0	0.0%	32.1%	2,923	2,902	-21	-0.7%	32.1%	2,203	2,224	21	0.9%	32.1%	586	546	-40	-6.8%
33.3%	3,000	3,000	0	0.0%	33.3%	2,923	2,895	-29	-1.0%	33.3%	2,198	2,224	26	1.2%	33.3%	585	546	-40	-6.8%
34.6%	3,000	3,000	0	0.0%	34.6%	2,923	2,874	-49	-1.7%	34.6%	2,194	2,224	30	1.4%	34.6%	585	543	-42	-7.2%
35.8%	3,000	3,000	0	0.0%	35.8%	2,923	2,852	-71	-2.4%	35.8%	2,186	2,224	38	1.8%	35.8%	585	541	-44	-7.5%
37.0%	3,000	3,000	0	0.0%	37.0%	2,923	2,838	-85	-2.9%	37.0%	2,177	2,224	47	2.1%	37.0%	584	535	-49	-8.4%
38.3%	3,000	2,998	-2	-0.1%	38.3%	2,923	2,828	-95	-3.3%	38.3%	2,175	2,221	47	2.1%	38.3%	583	533	-50	-8.6%
39.5%	3,000	2,997	-3	-0.1%	39.5%	2,923	2,823	-100	-3.4%	39.5%	2,173	2,214	41	1.9%	39.5%	583	528	-55	-9.4%
40.7%	3,000	2,996	-4	-0.1%	40.7%	2,923	2,781	-143	-4.9%	40.7%	2,170	2,214	44	2.0%	40.7%	580	527	-53	-9.2%
42.0%	3,000	2,992	-8	-0.3%	42.0%	2,923	2,688	-236	-8.1%	42.0%	2,156	2,211	55	2.6%	42.0%	578	516	-62	-10.7%
43.2%	3,000	2,978	-22	-0.7%	43.2%	2,918	2,688	-230	-7.9%	43.2%	2,134	2,196	61	2.9%	43.2%	578	516	-62	-10.7%
44.4%	3,000	2,940	-60	-2.0%	44.4%	2,915	2,687	-228	-7.8%	44.4%	2,132	2,195	64	3.0%	44.4%	578	512	-66	-11.4%
45.7%	3,000	2,918	-82	-2.7%	45.7%	2,915	2,635	-279	-9.6%	45.7%	2,114	2,175	61	2.9%	45.7%	577	510	-67	-11.6%
46.9%	3,000	2,905	-95	-3.2%	46.9%	2,913	2,606	-307	-10.5%	46.9%	2,114	2,167	54	2.5%	46.9%	577	489	-87	-15.1%
48.1%	3,000	2,900	-100	-3.3%	48.1%	2,912	2,364	-549	-18.8%	48.1%	2,114	2,153	39	1.9%	48.1%	576	489	-86	-15.0%
49.4%	3,000	2,829	-171	-5.7%	49.4%	2,902	2,303	-599	-20.7%	49.4%	2,114	2,153	39	1.9%	49.4%	575	479	-97	-16.8%
50.6%	3,000	2,730	-270	-9.0%	50.6%	2,885	2,247	-637	-22.1%	50.6%	2,114	2,114	0	0.0%	50.6%	575	476	-98	-17.1%
51.9%	3,000	2,685	-315	-10.5%	51.9%	2,868	2,244	-623	-21.7%	51.9%	2,114	2,114	0	0.0%	51.9%	572	460	-113	-19.7%
53.1%	3,000	2,584	-416	-13.9%	53.1%	2,866	2,162	-704	-24.6%	53.1%	2,114	2,112	-2	-0.1%	53.1%	572	436	-135	-23.7%
54.3%	3,000	2,439	-561	-18.7%	54.3%	2,851	2,128	-722	-25.3%	54.3%	2,114	2,109	-5	-0.2%	54.3%	571	405	-167	-29.2%
55.6%	3,000	2,434	-566	-18.9%	55.6%	2,845	2,110	-735	-25.8%	55.6%	2,114	2,103	-10	-0.5%	55.6%	571	398	-174	-30.4%
56.8%	3,000	2,377	-623	-20.8%	56.8%	2,844	2,067	-778	-27.3%	56.8%	2,114	2,100	-14	-0.7%	56.8%	570	396	-173	-30.4%
58.0%	3,000	2,330	-670	-22.3%	58.0%	2,828	2,064	-764	-27.0%	58.0%	2,114	2,072	-42	-2.0%	58.0%	568	378	-190	-33.5%
59.3%	3,000	2,315	-685	-22.8%	59.3%	2,828	1,990	-838	-29.6%	59.3%	2,114	2,030	-84	-4.0%	59.3%	564	378	-186	-33.0%
60.5%	3,000	2,310	-690	-23.0%	60.5%	2,828	1,893	-935	-33.1%	60.5%	2,114	2,024	-90	-4.2%	60.5%	563	367	-197	-34.9%
61.7%	3,000	2,296	-704	-23.5%	61.7%	2,828	1,848	-980	-34.6%	61.7%	2,114	1,993	-120	-5.7%	61.7%	563	363	-199	-35.4%
63.0%	3,000	2,283	-717	-23.9%	63.0%	2,828	1,548	-1,280	-45.3%	63.0%	2,114	1,965	-149	-7.0%	63.0%	561	348	-213	-38.1%
64.2%	2,998	2,236	-762	-25.4%	64.2%	2,828	1,548	-1,280	-45.3%	64.2%	2,114	1,958	-155	-7.3%	64.2%	561	348	-213	-38.0%
65.4%	2,998	2,228	-770	-25.7%	65.4%	2,828	1,548	-1,280	-45.3%	65.4%	2,114	1,863	-251	-11.9%	65.4%	560	348	-213	-38.0%
66.7%	2,996	2,091	-905	-30.2%	66.7%	2,828	1,548	-1,280	-45.3%	66.7%	2,114	1,758	-356	-16.8%	66.7%	559	348	-212	-37.9%
67.9%	2,996	2,066	-929	-31.0%	67.9%	2,828	1,548	-1,280	-45.3%	67.9%	2,114	1,752	-362	-17.1%	67.9%	554	346	-208	-37.5%
69.1%	2,985	1,831	-1,154	-38.7%	69.1%	2,828	1,548	-1,280	-45.3%	69.1%	2,111	1,632	-479	-22.7%	69.1%	553	345	-209	-37.7%
70.4%	2,969	1,823	-1,146	-38.6%	70.4%	2,828	1,548	-1,280	-45.3%	70.4%	2,109	1,567	-541	-25.7%	70.4%	551	345	-206	-37.4%
71.6%	2,964	1,711	-1,252	-42.3%	71.6%	2,828	1,548	-1,280	-45.3%	71.6%	2,109	1,496	-612	-29.0%	71.6%	550	339	-211	-38.3%
72.8%	2,953	1,692	-1,261	-42.7%	72.8%	2,828	1,548	-1,280	-45.3%	72.8%	2,109	1,471	-637	-30.2%	72.8%	546	337	-208	-38.2%
74.1%	2,953	1,692	-1,261	-42.7%	74.1%	2,828	1,548	-1,280	-45.3%	74.1%	2,103	1,440	-663	-31.5%	74.1%	545	335	-210	-38.6%
75.3%	2,953	1,692	-1,261	-42.7%	75.3%	2,828	1,548	-1,280	-45.3%	75.3%	2,101	1,413	-688	-32.8%	75.3%	543	327	-216	-39.8%
76.5%	2,950	1,692	-1,259	-42.7%	76.5%	2,828	1,548	-1,280	-45.3%	76.5%	2,101	1,411	-690	-32.8%	76.5%	535	324	-211	-39.5%
77.8%	2,918	1,692	-1,226	-42.0%	77.8%	2,828	1,548	-1,280	-45.3%	77.8%	2,083	1,397	-685	-32.9%	77.8%	535	319	-216	-40.4%
79.0%	2,915	1,692	-1,224	-42.0%	79.0%	2,828	1,548	-1,280	-45.3%	79.0%	2,074	1,364	-709	-34.2%	79.0%	528	317	-212	-40.1%
80.2%	2,905	1,692	-1,213	-41.8%	80.2%	2,828	1,548	-1,280	-45.3%	80.2%	2,053	1,342	-711	-34.6%	80.2%	528	308	-220	-41.7%
81.5%	2,865	1,691	-1,173	-41.0%	81.5%	2,823	1,548	-1,275	-45.2%	81.5%	2,048	1,336	-712	-34.8%	81.5%	528	308	-220	-41.6%
82.7%	2,840	1,689	-1,151	-40.5%	82.7%	2,823	1,548	-1,275	-45.2%	82.7%	2,039	1,179	-860	-42.2%	82.7%	514	305	-209	-40.7%
84.0%	2,827	1,686	-1,141	-40.4%	84.0%	2,823	1,548	-1,275	-45.2%	84.0%	2,030	1,179	-851	-41.9%	84.0%	509	305	-204	-40.1%
85.2%	2,792	1,684	-1,109	-39.7%	85.2%	2,820	1,548	-1,272	-45.1%	85.2%	2,010	1,179	-831	-41.3%	85.2%	498	305	-193	-38.7%
86.4%	2,787	1,678	-1,109	-39.8%	86.4%	2,810	1,547	-1,262	-44.9%	86.4%	1,989	1,179	-810	-40.7%	86.4%	461	305	-156	-33.9%
87.7%	2,776	1,673	-1,103	-39.7%	87.7%	2,799	1,547	-1,252	-44.7%	87.7%	1,883	1,179	-704	-37.4%	87.7%	460	305	-155	-33.6%
88.9%	2,685	1,657	-1,028	-38.3%	88.9%	2,610	1,546	-1,064	-40.8%	88.9%	1,854	1,179	-676	-36.4%	88.9%	442	302	-139	-31.6%
90.1%	2,439	1,654	-785	-32.2%	90.1%	2,247	1,546	-702	-31.2%	90.1%	1,511	1,179	-332	-22.0%	90.1%	441	302	-138	-31.4%
91.4%	2,434	1,641	-793	-32.6%	91.4%	2,244	1,543	-701	-31.3%	91.4%	1,496	1,176	-320	-21.4%	91.4%	437	302	-134	-30.7%
92.6%	2,338	1,625	-713	-30.5%	92.6%	2,163	1,543	-620	-28.7%	92.6%	1,440	1,176	-264	-18.3%	92.6%	406	300	-106	-26.1%
93.8%	2,330	1,624	-706	-30.3%	93.8%	2,162	1,543	-619	-28.6%	93.8%	1,413	1,169	-244	-17.3%	93.8%	404	292	-112	-27.7%
95.1%	2,326	1,622	-704	-30.3%	95.1%	2,128	1,538	-590	-27.7%	95.1%	1,411	1,162	-249	-17.6%	95.1%	396	291	-105	-26.6%
96.3%	2,315	1,609	-706	-30.5%	96.3%	2,110	1,517	-592	-28.1%	96.3%	1,410	1,156	-254	-18.0%	96.3%	378	290	-88	-23.3%
97.5%	2,310	1,582	-729	-31.5%	97.5%	2,082	1,493	-590	-28.3%	97.5%	1,397	1,119	-278	-19.9%	97.5%	363	285	-78	-21.5%
98.8%	2,296	1,582	-714	-31.1%	98.8%	2,067	1,183	-884	-42.8%	98.8%	1,364	1,101	-263	-19.3%	98.8%	336	282	-53	-15.9%
100.0%	2,236	1,180	-1,056	-47.2%	100.0%	2,064	1,035	-1,029	-49.9%	100.0%	1,342	1,088	-254	-18.9%	100.0%	325	240	-85	-26.2%

Table OP-03-9a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	16	57	369	793	735	384	0	0	36	15	23	9
Difference	16	57	369	793	735	384	0	0	36	15	23	9
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	29	65	511	955	745	232	0	0	8	22	58	0
Difference	29	65	511	955	745	232	0	0	8	22	58	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	47	167	504	1,186	987	671	0	0	160	0	0	0
Difference	47	167	504	1,186	987	671	0	0	160	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	14	368	1,012	755	391	0	0	60	0	0	0
Difference	0	14	368	1,012	755	391	0	0	60	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	33	226	480	797	468	0	0	0	0	0	29
Difference	0	33	226	480	797	468	0	0	0	0	0	29
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	17	141	261	342	295	0	0	0	53	35	16
Difference	0	17	141	261	342	295	0	0	0	53	35	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

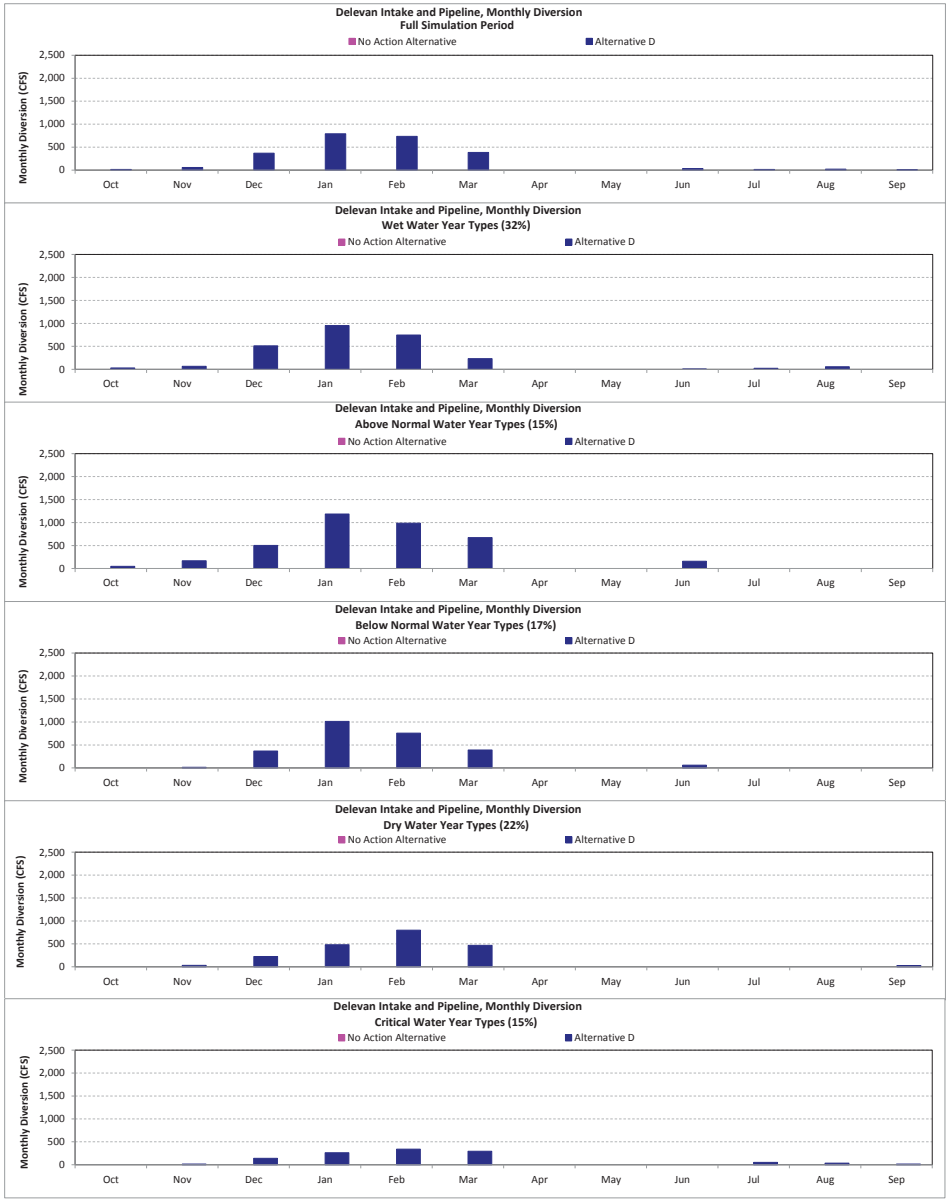

Figure OP-03-9b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

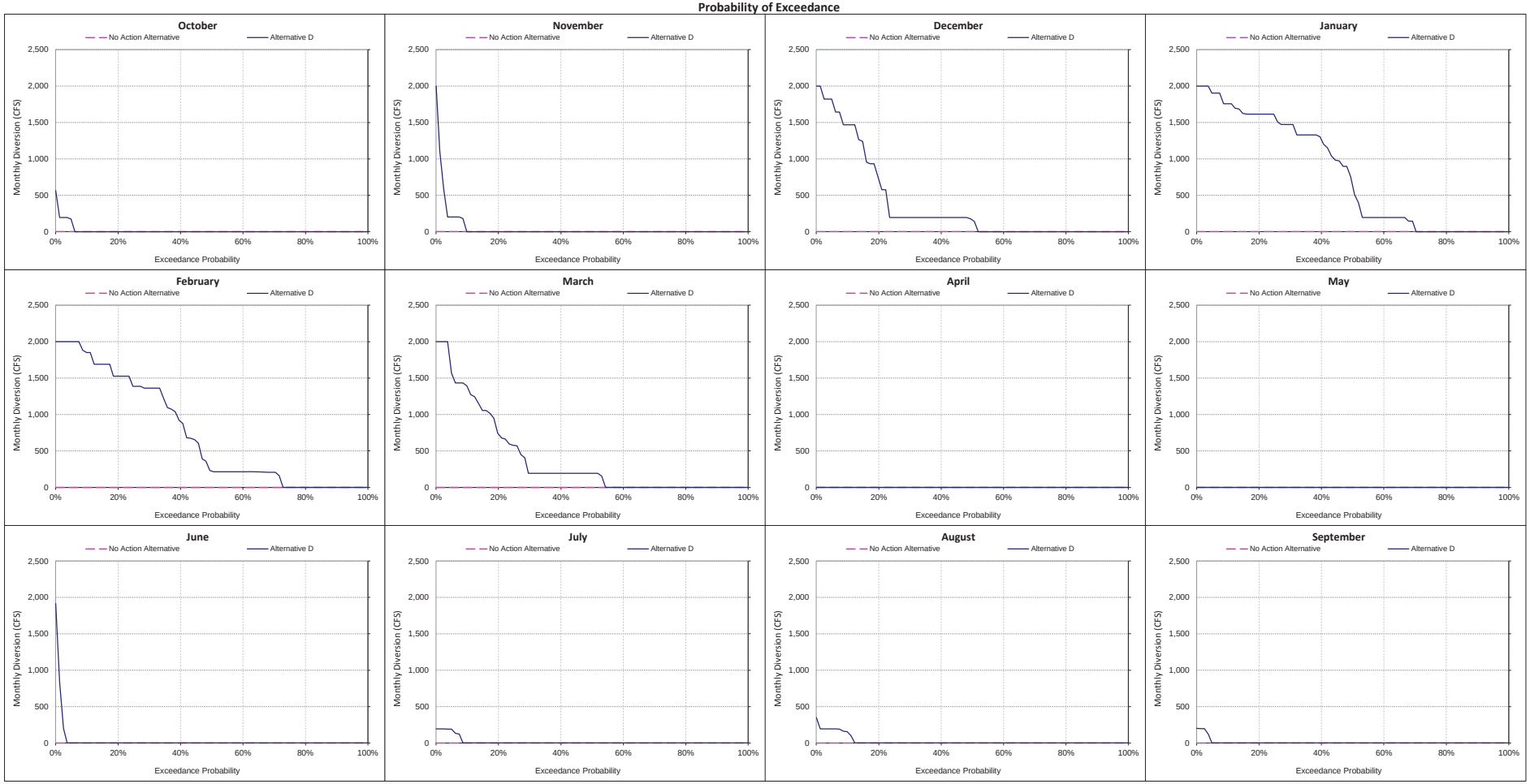

Table OP-03-9b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	October				November				December				January			
	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	566	566		0	2,000	2,000		0	2,000	2,000		0	2,000	2,000	
1.2%	0	194	194		0	1,106	1,106		0	2,000	2,000		0	2,000	2,000	
2.5%	0	194	194		0	587	587		0	1,822	1,822		0	2,000	2,000	
3.7%	0	194	194		0	200	200		0	1,822	1,822		0	2,000	2,000	
4.9%	0	174	174		0	200	200		0	1,822	1,822		0	1,902	1,902	
6.2%	0	0	0		0	200	200		0	1,644	1,644		0	1,902	1,902	
7.4%	0	0	0		0	200	200		0	1,644	1,644		0	1,902	1,902	
8.6%	0	0	0		0	179	179		0	1,467	1,467		0	1,758	1,758	
9.9%	0	0	0		0	0	0		0	1,467	1,467		0	1,758	1,758	
11.1%	0	0	0		0	0	0		0	1,467	1,467		0	1,758	1,758	
12.3%	0	0	0		0	0	0		0	1,467	1,467		0	1,697	1,697	
13.6%	0	0	0		0	0	0		0	1,263	1,263		0	1,685	1,685	
14.8%	0	0	0		0	0	0		0	1,241	1,241		0	1,625	1,625	
16.0%	0	0	0		0	0	0		0	955	955		0	1,615	1,615	
17.3%	0	0	0		0	0	0		0	933	933		0	1,615	1,615	
18.5%	0	0	0		0	0	0		0	933	933		0	1,615	1,615	
19.8%	0	0	0		0	0	0		0	756	756		0	1,615	1,615	
21.0%	0	0	0		0	0	0		0	578	578		0	1,615	1,615	
22.2%	0	0	0		0	0	0		0	578	578		0	1,615	1,615	
23.5%	0	0	0		0	0	0		0	194	194		0	1,615	1,615	
24.7%	0	0	0		0	0	0		0	194	194		0	1,615	1,615	
25.9%	0	0	0		0	0	0		0	194	194		0	1,507	1,507	
27.2%	0	0	0		0	0	0		0	194	194		0	1,471	1,471	
28.4%	0	0	0		0	0	0		0	194	194		0	1,471	1,471	
29.6%	0	0	0		0	0	0		0	194	194		0	1,471	1,471	
30.9%	0	0	0		0	0	0		0	194	194		0	1,471	1,471	
32.1%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
33.3%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
34.6%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
35.8%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
37.0%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
38.3%	0	0	0		0	0	0		0	194	194		0	1,328	1,328	
39.5%	0	0	0		0	0	0		0	194	194		0	1,303	1,303	
40.7%	0	0	0		0	0	0		0	194	194		0	1,201	1,201	
42.0%	0	0	0		0	0	0		0	194	194		0	1,151	1,151	
43.2%	0	0	0		0	0	0		0	194	194		0	1,041	1,041	
44.4%	0	0	0		0	0	0		0	194	194		0	982	982	
45.7%	0	0	0		0	0	0		0	194	194		0	972	972	
46.9%	0	0	0		0	0	0		0	194	194		0	898	898	
48.1%	0	0	0		0	0	0		0	194	194		0	898	898	
49.4%	0	0	0		0	0	0		0	178	178		0	754	754	
50.6%	0	0	0		0	0	0		0	141	141		0	510	510	
51.9%	0	0	0		0	0	0		0	0	0		0	398	398	
53.1%	0	0	0		0	0	0		0	0	0		0	194	194	
54.3%	0	0	0		0	0	0		0	0	0		0	194	194	
55.6%	0	0	0		0	0	0		0	0	0		0	194	194	
56.8%	0	0	0		0	0	0		0	0	0		0	194	194	
58.0%	0	0	0		0	0	0		0	0	0		0	194	194	
59.3%	0	0	0		0	0	0		0	0	0		0	194	194	
60.5%	0	0	0		0	0	0		0	0	0		0	194	194	
61.7%	0	0	0		0	0	0		0	0	0		0	194	194	
63.0%	0	0	0		0	0	0		0	0	0		0	194	194	
64.2%	0	0	0		0	0	0		0	0	0		0	194	194	
65.4%	0	0	0		0	0	0		0	0	0		0	194	194	
66.7%	0	0	0		0	0	0		0	0	0		0	194	194	
67.9%	0	0	0		0	0	0		0	0	0		0	143	143	
69.1%	0	0	0		0	0	0		0	0	0		0	143	143	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

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Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000		0.0%	0	2,000	2,000		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	2,000	2,000		1.2%	0	2,000	2,000		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	2,000	2,000		2.5%	0	2,000	2,000		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	2,000	2,000		3.7%	0	2,000	2,000		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	2,000	2,000		4.9%	0	1,568	1,568		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	2,000	2,000		6.2%	0	1,434	1,434		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	2,000	2,000		7.4%	0	1,434	1,434		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	1,882	1,882		8.6%	0	1,434	1,434		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	1,852	1,852		9.9%	0	1,394	1,394		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	1,852	1,852		11.1%	0	1,274	1,274		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	1,689	1,689		12.3%	0	1,245	1,245		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,689	1,689		13.6%	0	1,153	1,153		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,689	1,689		14.8%	0	1,056	1,056		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,689	1,689		16.0%	0	1,056	1,056		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,689	1,689		17.3%	0	1,018	1,018		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,527	1,527		18.5%	0	949	949		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,527	1,527		19.8%	0	741	741		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,527	1,527		21.0%	0	679	679		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,527	1,527		22.2%	0	665	665		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,527	1,527		23.5%	0	596	596		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,388	1,388		24.7%	0	576	576		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,388	1,388		25.9%	0	570	570		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,388	1,388		27.2%	0	449	449		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,364	1,364		28.4%	0	406	406		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,364	1,364		29.6%	0	194	194		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,364	1,364		30.9%	0	194	194		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,364	1,364		32.1%	0	194	194		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,364	1,364		33.3%	0	194	194		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,225	1,225		34.6%	0	194	194		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,096	1,096		35.8%	0	194	194		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,075	1,075		37.0%	0	194	194		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	1,039	1,039		38.3%	0	194	194		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	922	922		39.5%	0	194	194		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	877	877		40.7%	0	194	194		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	680	680		42.0%	0	194	194		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	675	675		43.2%	0	194	194		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	657	657		44.4%	0	194	194		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	606	606		45.7%	0	194	194		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	389	389		46.9%	0	194	194		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	359	359		48.1%	0	194	194		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	233	233		49.4%	0	194	194		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	214	214		50.6%	0	194	194		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	214	214		51.9%	0	194	194		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	214	214		53.1%	0	153	153		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	214	214		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	214	214		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	214	214		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	214	214		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	214	214		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	214	214		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	214	214		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	214	214		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	214	214		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	214	214		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	207	207		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	207	207		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	207	207		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	207	207		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	163	163		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,918	1,918		0	194	194		0	350	350		0	200	200	
1.2%	0	838	838		0	194	194		0	194	194		0	197	197	
2.5%	0	200	200		0	194	194		0	194	194		0	197	197	
3.7%	0	0	0		0	190	190		0	194	194		0	122	122	
4.9%	0	0	0		0	190	190		0	194	194		0	0	0	
6.2%	0	0	0		0	133	133		0	194	194		0	0	0	
7.4%	0	0	0		0	124	124		0	190	190		0	0	0	
8.6%	0	0	0		0	0	0		0	163	163		0	0	0	
9.9%	0	0	0		0	0	0		0	155	155		0	0	0	
11.1%	0	0	0		0	0	0		0	100	100		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-04-9a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	88	204	1,486	2,208	2,245	1,906	476	189	96	41	128	32
Difference	88	204	1,486	2,208	2,245	1,906	476	189	96	41	128	32
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	125	220	1,999	2,530	2,088	1,209	347	239	25	80	371	67
Difference	125	220	1,999	2,530	2,088	1,209	347	239	25	80	371	67
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	329	447	2,094	3,306	3,277	2,714	975	500	304	0	10	0
Difference	329	447	2,094	3,306	3,277	2,714	975	500	304	0	10	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	88	1,371	2,710	2,313	2,440	824	234	207	3	0	0
Difference	0	88	1,371	2,710	2,313	2,440	824	234	207	3	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	211	927	1,518	2,361	2,491	375	0	36	4	1	36
Difference	0	211	927	1,518	2,361	2,491	375	0	36	4	1	36
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	48	740	861	1,299	1,109	0	0	0	96	56	16
Difference	0	48	740	861	1,299	1,109	0	0	0	96	56	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

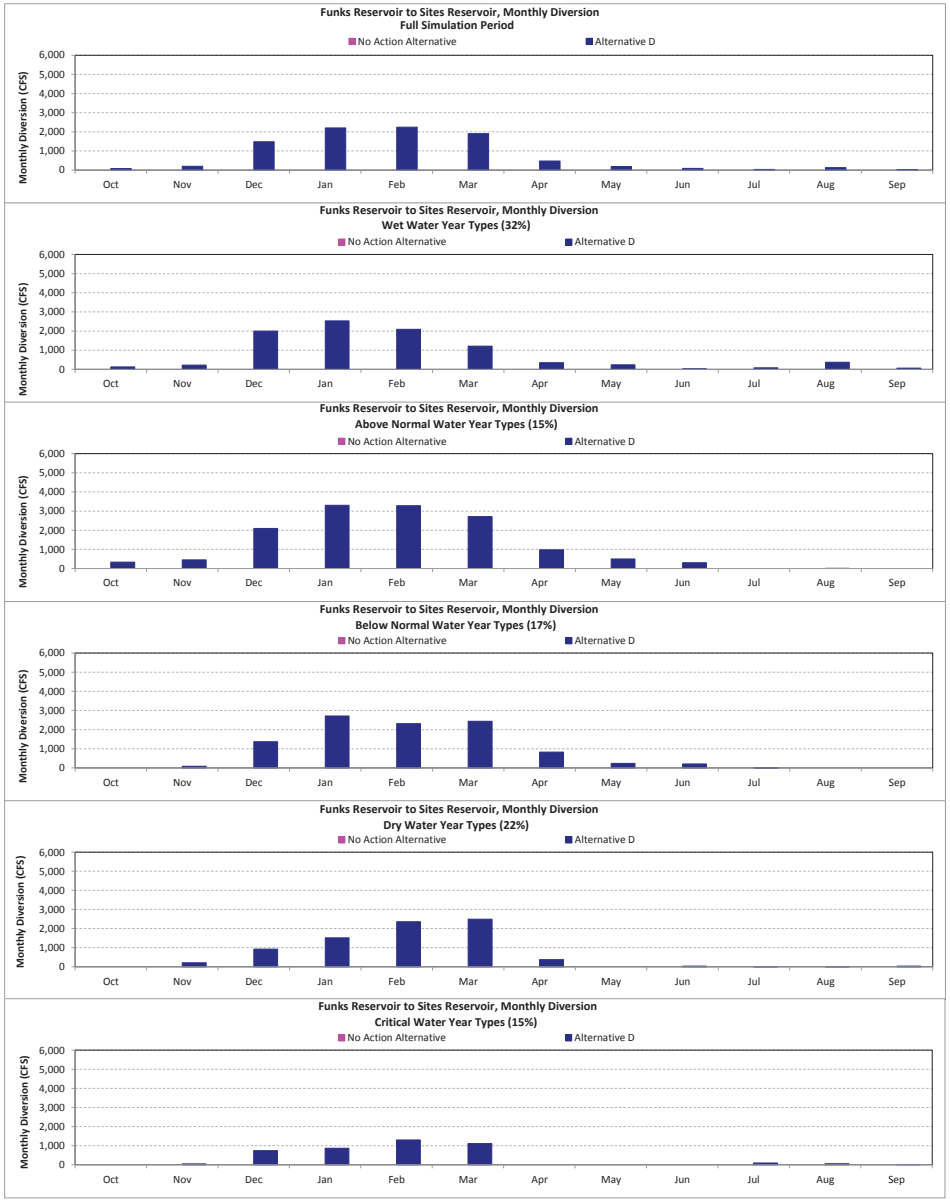

Figure OP-04-9b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

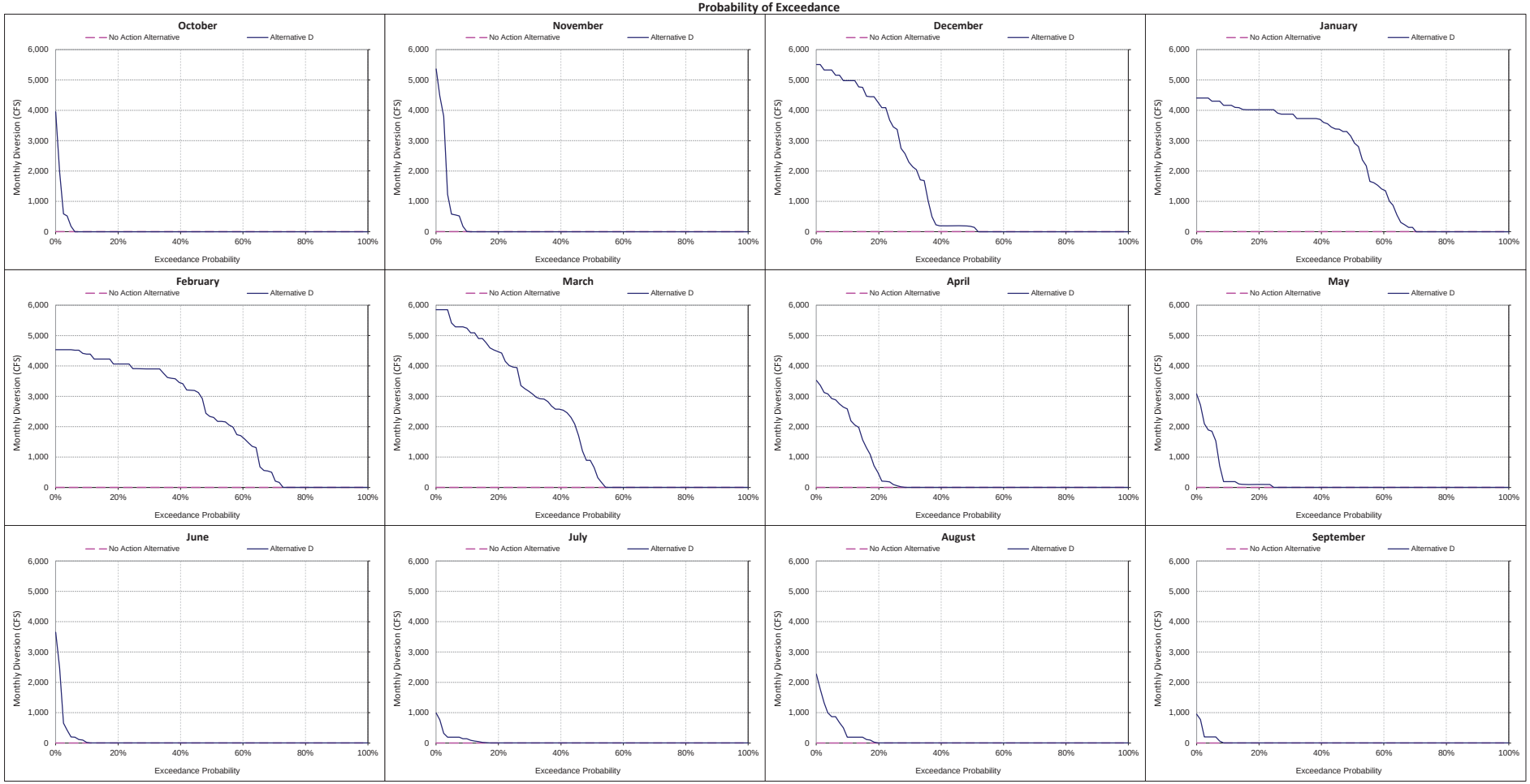

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,953	3,953		0.0%	0	5,366	5,366		0.0%	0	5,511	5,511		0.0%	0	4,403	4,403	
1.2%	0	1,977	1,977		1.2%	0	4,472	4,472		1.2%	0	5,511	5,511		1.2%	0	4,403	4,403	
2.5%	0	588	588		2.5%	0	3,805	3,805		2.5%	0	5,333	5,333		2.5%	0	4,403	4,403	
3.7%	0	521	521		3.7%	0	1,232	1,232		3.7%	0	5,333	5,333		3.7%	0	4,403	4,403	
4.9%	0	174	174		4.9%	0	578	578		4.9%	0	5,333	5,333		4.9%	0	4,305	4,305	
6.2%	0	0	0		6.2%	0	551	551		6.2%	0	5,155	5,155		6.2%	0	4,305	4,305	
7.4%	0	0	0		7.4%	0	516	516		7.4%	0	5,155	5,155		7.4%	0	4,305	4,305	
8.6%	0	0	0		8.6%	0	179	179		8.6%	0	4,978	4,978		8.6%	0	4,161	4,161	
9.9%	0	0	0		9.9%	0	1	1		9.9%	0	4,978	4,978		9.9%	0	4,161	4,161	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	4,978	4,978		11.1%	0	4,161	4,161	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	4,978	4,978		12.3%	0	4,100	4,100	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	4,774	4,774		13.6%	0	4,088	4,088	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	4,752	4,752		14.8%	0	4,028	4,028	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	4,466	4,466		16.0%	0	4,018	4,018	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	4,444	4,444		17.3%	0	4,018	4,018	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	4,444	4,444		18.5%	0	4,018	4,018	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	4,267	4,267		19.8%	0	4,018	4,018	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	4,089	4,089		21.0%	0	4,018	4,018	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	4,089	4,089		22.2%	0	4,018	4,018	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	3,677	3,677		23.5%	0	4,018	4,018	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	3,457	3,457		24.7%	0	4,018	4,018	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	3,372	3,372		25.9%	0	3,910	3,910	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	2,742	2,742		27.2%	0	3,874	3,874	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	2,572	2,572		28.4%	0	3,874	3,874	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	2,294	2,294		29.6%	0	3,874	3,874	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	2,136	2,136		30.9%	0	3,874	3,874	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	2,038	2,038		32.1%	0	3,731	3,731	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	1,710	1,710		33.3%	0	3,731	3,731	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	1,687	1,687		34.6%	0	3,731	3,731	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	1,021	1,021		35.8%	0	3,731	3,731	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	489	489		37.0%	0	3,731	3,731	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	228	228		38.3%	0	3,730	3,730	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	194	194		39.5%	0	3,705	3,705	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	194	194		40.7%	0	3,604	3,604	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	194	194		42.0%	0	3,554	3,554	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	194	194		43.2%	0	3,444	3,444	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	194	194		44.4%	0	3,385	3,385	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	194	194		45.7%	0	3,375	3,375	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	194	194		46.9%	0	3,300	3,300	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	194	194		48.1%	0	3,300	3,300	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	178	178		49.4%	0	3,157	3,157	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	141	141		50.6%	0	2,913	2,913	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	2,801	2,801	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	2,369	2,369	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	2,169	2,169	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	1,661	1,661	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	1,614	1,614	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	1,526	1,526	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	1,412	1,412	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	1,351	1,351	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	1,009	1,009	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	871	871	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	551	551	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	301	301	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	229	229	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	143	143	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	143	143	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536		0.0%	0	5,852	5,852		0.0%	0	3,527	3,527		0.0%	0	3,083	3,083	
1.2%	0	4,536	4,536		1.2%	0	5,852	5,852		1.2%	0	3,362	3,362		1.2%	0	2,717	2,717	
2.5%	0	4,536	4,536		2.5%	0	5,852	5,852		2.5%	0	3,128	3,128		2.5%	0	2,093	2,093	
3.7%	0	4,536	4,536		3.7%	0	5,852	5,852		3.7%	0	3,078	3,078		3.7%	0	1,893	1,893	
4.9%	0	4,536	4,536		4.9%	0	5,420	5,420		4.9%	0	2,931	2,931		4.9%	0	1,846	1,846	
6.2%	0	4,521	4,521		6.2%	0	5,286	5,286		6.2%	0	2,883	2,883		6.2%	0	1,530	1,530	
7.4%	0	4,521	4,521		7.4%	0	5,286	5,286		7.4%	0	2,748	2,748		7.4%	0	710	710	
8.6%	0	4,418	4,418		8.6%	0	5,286	5,286		8.6%	0	2,649	2,649		8.6%	0	190	190	
9.9%	0	4,388	4,388		9.9%	0	5,246	5,246		9.9%	0	2,582	2,582		9.9%	0	190	190	
11.1%	0	4,388	4,388		11.1%	0	5,097	5,097		11.1%	0	2,188	2,188		11.1%	0	190	190	
12.3%	0	4,225	4,225		12.3%	0	5,097	5,097		12.3%	0	2,052	2,052		12.3%	0	190	190	
13.6%	0	4,225	4,225		13.6%	0	4,908	4,908		13.6%	0	1,973	1,973		13.6%	0	114	114	
14.8%	0	4,225	4,225		14.8%	0	4,908	4,908		14.8%	0	1,569	1,569		14.8%	0	92	92	
16.0%	0	4,225	4,225		16.0%	0	4,768	4,768		16.0%	0	1,300	1,300		16.0%	0	92	92	
17.3%	0	4,225	4,225		17.3%	0	4,593	4,593		17.3%	0	1,084	1,084		17.3%	0	92	92	
18.5%	0	4,063	4,063		18.5%	0	4,531	4,531		18.5%	0	711	711		18.5%	0	92	92	
19.8%	0	4,063	4,063		19.8%	0	4,480	4,480		19.8%	0	485	485		19.8%	0	92	92	
21.0%	0	4,063	4,063		21.0%	0	4,422	4,422		21.0%	0	210	210		21.0%	0	92	92	
22.2%	0	4,063	4,063		22.2%	0	4,148	4,148		22.2%	0	197	197		22.2%	0	92	92	
23.5%	0	4,063	4,063		23.5%	0	4,010	4,010		23.5%	0	184	184		23.5%	0	92	92	
24.7%	0	3,909	3,909		24.7%	0	3,964	3,964		24.7%	0	94	94		24.7%	0	0	0	
25.9%	0	3,909	3,909		25.9%	0	3,950	3,950		25.9%	0	51	51		25.9%	0	0	0	
27.2%	0	3,909	3,909		27.2%	0	3,357	3,357		27.2%	0	19	19		27.2%	0	0	0	
28.4%	0	3,900	3,900		28.4%	0	3,249	3,249		28.4%	0	1	1		28.4%	0	0	0	
29.6%	0	3,900	3,900		29.6%	0	3,179	3,179		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	3,900	3,900		30.9%	0	3,084	3,084		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	3,900	3,900		32.1%	0	2,970	2,970		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	3,900	3,900		33.3%	0	2,916	2,916		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	3,761	3,761		34.6%	0	2,906	2,906		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	3,617	3,617		35.8%	0	2,828	2,828		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	3,596	3,596		37.0%	0	2,676	2,676		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	3,575	3,575		38.3%	0	2,578	2,578		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	3,458	3,458		39.5%	0	2,573	2,573		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	3,413	3,413		40.7%	0	2,546	2,546		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	3,211	3,211		42.0%	0	2,458	2,458		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	3,201	3,201		43.2%	0	2,299	2,299		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	3,193	3,193		44.4%	0	2,088	2,088		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	3,127	3,127		45.7%	0	1,706	1,706		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	2,925	2,925		46.9%	0	1,196	1,196		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	2,438	2,438		48.1%	0	895	895		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	2,338	2,338		49.4%	0	890	890		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	2,304	2,304		50.6%	0	649	649		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	2,177	2,177		51.9%	0	315	315		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	2,171	2,171		53.1%	0	153	153		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	2,161	2,161		54.3%	0	1	1		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	2,058	2,058		55.6%	0	1	1		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	1,988	1,988		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	1,738	1,738		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	1,702	1,702		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	1,594	1,594		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	1,468	1,468		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	1,350	1,350		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	1,308	1,308		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	678	678		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	560	560		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	541	541		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	494	494		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	207	207		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	163	163		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,651	3,651		0	991	991		0	2,273	2,273		0	956	956	
1.2%	0	2,474	2,474		0	764	764		0	1,774	1,774		0	777	777	
2.5%	0	653	653		0	324	324		0	1,325	1,325		0	200	200	
3.7%	0	422	422		0	190	190		0	992	992		0	197	197	
4.9%	0	200	200		0	190	190		0	871	871		0	197	197	
6.2%	0	195	195		0	190	190		0	869	869		0	197	197	
7.4%	0	119	119		0	190	190		0	671	671		0	62	62	
8.6%	0	102	102		0	143	143		0	501	501		0	0	0	
9.9%	0	24	24		0	143	143		0	190	190		0	0	0	
11.1%	0	0	0		0	85	85		0	190	190		0	0	0	
12.3%	0	0	0		0	61	61		0	190	190		0	0	0	
13.6%	0	0	0		0	48	48		0	190	190		0	0	0	
14.8%	0	0	0		0	19	19		0	190	190		0	0	0	
16.0%	0	0	0		0	8	8		0	116	116		0	0	0	
17.3%	0	0	0		0	0	0		0	101	101		0	0	0	
18.5%	0	0	0		0	0	0		0	27	27		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-05-9a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	141	62	9	0	1	19	227	360	806	963	480	231
Difference	141	62	9	0	1	19	227	360	806	963	480	231
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	264	141	21	0	0	2	72	89	325	832	231	344
Difference	264	141	21	0	0	2	72	89	325	832	231	344
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	50	42	1	0	0	2	35	192	854	1,006	432	128
Difference	50	42	1	0	0	2	35	192	854	1,006	432	128
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	101	14	0	0	1	16	125	386	863	1,044	670	192
Difference	101	14	0	0	1	16	125	386	863	1,044	670	192
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	100	28	0	0	1	19	366	625	1,422	1,124	708	191
Difference	100	28	0	0	1	19	366	625	1,422	1,124	708	191
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	74	19	12	0	1	71	666	688	809	872	501	196
Difference	74	19	12	0	1	71	666	688	809	872	501	196
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

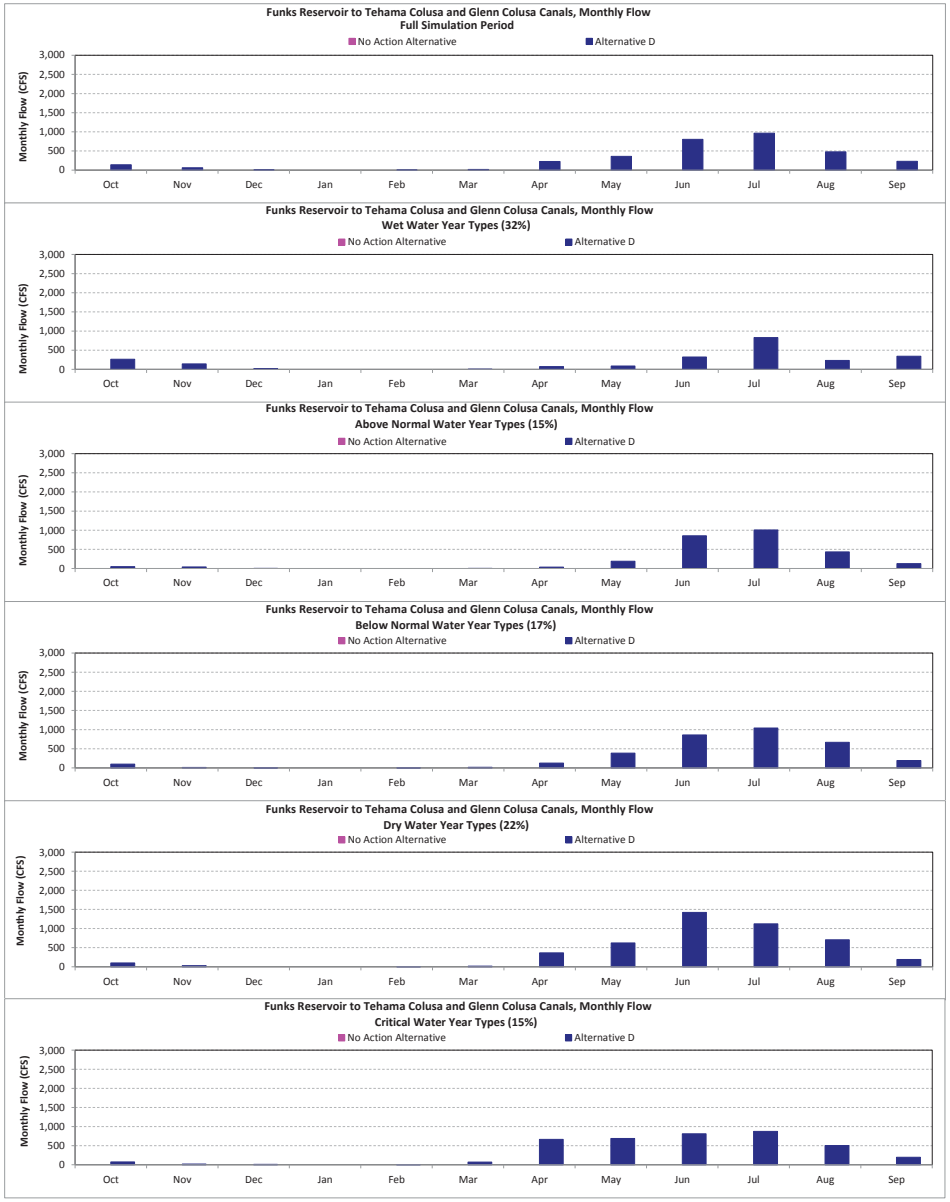

Figure OP-05-9b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

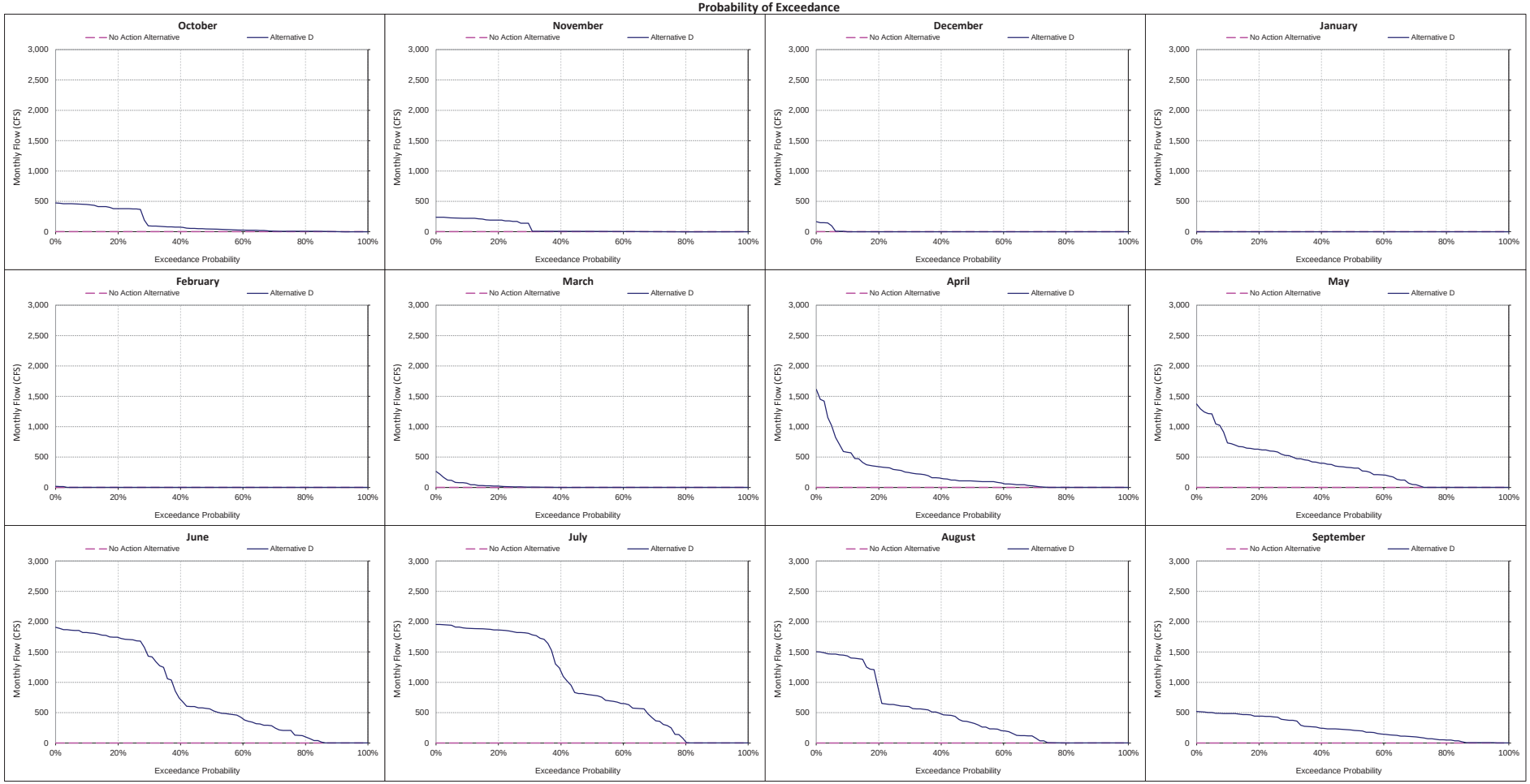

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	473	473		0.0%	0	238	238		0.0%	0	163	163		0.0%	0	0	0	
1.2%	0	468	468		1.2%	0	237	237		1.2%	0	149	149		1.2%	0	0	0	
2.5%	0	462	462		2.5%	0	236	236		2.5%	0	148	148		2.5%	0	0	0	
3.7%	0	460	460		3.7%	0	231	231		3.7%	0	144	144		3.7%	0	0	0	
4.9%	0	459	459		4.9%	0	231	231		4.9%	0	96	96		4.9%	0	0	0	
6.2%	0	459	459		6.2%	0	226	226		6.2%	0	4	4		6.2%	0	0	0	
7.4%	0	456	456		7.4%	0	223	223		7.4%	0	4	4		7.4%	0	0	0	
8.6%	0	454	454		8.6%	0	222	222		8.6%	0	4	4		8.6%	0	0	0	
9.9%	0	449	449		9.9%	0	221	221		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	442	442		11.1%	0	221	221		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	434	434		12.3%	0	219	219		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	415	415		13.6%	0	213	213		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	415	415		14.8%	0	209	209		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	411	411		16.0%	0	194	194		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	399	399		17.3%	0	192	192		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	380	380		18.5%	0	191	191		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	378	378		19.8%	0	191	191		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	378	378		21.0%	0	190	190		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	377	377		22.2%	0	179	179		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	377	377		23.5%	0	176	176		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	377	377		24.7%	0	170	170		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	376	376		25.9%	0	168	168		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	365	365		27.2%	0	138	138		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	189	189		28.4%	0	138	138		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	96	96		29.6%	0	138	138		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	91	91		30.9%	0	7	7		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	90	90		32.1%	0	7	7		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	90	90		33.3%	0	6	6		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	83	83		34.6%	0	6	6		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	78	78		35.8%	0	5	5		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	77	77		37.0%	0	5	5		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	75	75		38.3%	0	5	5		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	75	75		39.5%	0	5	5		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	72	72		40.7%	0	5	5		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	56	56		42.0%	0	5	5		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	54	54		43.2%	0	5	5		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	53	53		44.4%	0	5	5		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	48	48		45.7%	0	5	5		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	47	47		46.9%	0	5	5		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	47	47		48.1%	0	5	5		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	47	47		49.4%	0	5	5		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	44	44		50.6%	0	5	5		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	43	43		51.9%	0	5	5		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	36	36		53.1%	0	4	4		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	34	34		54.3%	0	3	3		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	33	33		55.6%	0	2	2		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	33	33		56.8%	0	2	2		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	30	30		58.0%	0	2	2		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	28	28		59.3%	0	1	1		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	25	25		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	25	25		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	23	23		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	23	23		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	19	19		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	18	18		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	10	10		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	9	9		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	9	9		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	8	8		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	7	7		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	7	7		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	7	7		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	7	7		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	7	7		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	7	7		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	7	7		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	7	7		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	7	7		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	7	7		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	7	7		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	2	2		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	2	2		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	1	1		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February					March					April					May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	17	17		0.0%	0	261	261		0.0%	0	1,615	1,615		0.0%	0	1,372	1,372	
1.2%	0	14	14		1.2%	0	217	217		1.2%	0	1,453	1,453		1.2%	0	1,293	1,293	
2.5%	0	14	14		2.5%	0	164	164		2.5%	0	1,419	1,419		2.5%	0	1,240	1,240	
3.7%	0	2	2		3.7%	0	121	121		3.7%	0	1,153	1,153		3.7%	0	1,215	1,215	
4.9%	0	2	2		4.9%	0	114	114		4.9%	0	1,014	1,014		4.9%	0	1,211	1,211	
6.2%	0	0	0		6.2%	0	81	81		6.2%	0	823	823		6.2%	0	1,046	1,046	
7.4%	0	0	0		7.4%	0	77	77		7.4%	0	706	706		7.4%	0	1,023	1,023	
8.6%	0	0	0		8.6%	0	76	76		8.6%	0	590	590		8.6%	0	911	911	
9.9%	0	0	0		9.9%	0	71	71		9.9%	0	577	577		9.9%	0	732	732	
11.1%	0	0	0		11.1%	0	45	45		11.1%	0	567	567		11.1%	0	721	721	
12.3%	0	0	0		12.3%	0	43	43		12.3%	0	477	477		12.3%	0	699	699	
13.6%	0	0	0		13.6%	0	29	29		13.6%	0	469	469		13.6%	0	673	673	
14.8%	0	0	0		14.8%	0	29	29		14.8%	0	409	409		14.8%	0	669	669	
16.0%	0	0	0		16.0%	0	28	28		16.0%	0	373	373		16.0%	0	646	646	
17.3%	0	0	0		17.3%	0	25	25		17.3%	0	365	365		17.3%	0	644	644	
18.5%	0	0	0		18.5%	0	24	24		18.5%	0	349	349		18.5%	0	627	627	
19.8%	0	0	0		19.8%	0	21	21		19.8%	0	338	338		19.8%	0	627	627	
21.0%	0	0	0		21.0%	0	16	16		21.0%	0	336	336		21.0%	0	616	616	
22.2%	0	0	0		22.2%	0	15	15		22.2%	0	329	329		22.2%	0	616	616	
23.5%	0	0	0		23.5%	0	9	9		23.5%	0	322	322		23.5%	0	600	600	
24.7%	0	0	0		24.7%	0	8	8		24.7%	0	294	294		24.7%	0	595	595	
25.9%	0	0	0		25.9%	0	8	8		25.9%	0	287	287		25.9%	0	583	583	
27.2%	0	0	0		27.2%	0	7	7		27.2%	0	277	277		27.2%	0	546	546	
28.4%	0	0	0		28.4%	0	7	7		28.4%	0	254	254		28.4%	0	526	526	
29.6%	0	0	0		29.6%	0	6	6		29.6%	0	243	243		29.6%	0	523	523	
30.9%	0	0	0		30.9%	0	5	5		30.9%	0	231	231		30.9%	0	499	499	
32.1%	0	0	0		32.1%	0	5	5		32.1%	0	222	222		32.1%	0	472	472	
33.3%	0	0	0		33.3%	0	3	3		33.3%	0	219	219		33.3%	0	469	469	
34.6%	0	0	0		34.6%	0	2	2		34.6%	0	210	210		34.6%	0	456	456	
35.8%	0	0	0		35.8%	0	2	2		35.8%	0	194	194		35.8%	0	445	445	
37.0%	0	0	0		37.0%	0	1	1		37.0%	0	159	159		37.0%	0	421	421	
38.3%	0	0	0		38.3%	0	1	1		38.3%	0	158	158		38.3%	0	414	414	
39.5%	0	0	0		39.5%	0	1	1		39.5%	0	153	153		39.5%	0	396	396	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	143	143		40.7%	0	396	396	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	136	136		42.0%	0	382	382	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	119	119		43.2%	0	377	377	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	119	119		44.4%	0	352	352	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	108	108		45.7%	0	343	343	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	108	108		46.9%	0	339	339	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	106	106		48.1%	0	330	330	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	106	106		49.4%	0	324	324	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	104	104		50.6%	0	317	317	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	98	98		51.9%	0	316	316	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	94	94		53.1%	0	269	269	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	94	94		54.3%	0	267	267	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	93	93		55.6%	0	248	248	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	93	93		56.8%	0	212	212	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	81	81		58.0%	0	212	212	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	74	74		59.3%	0	204	204	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	56	56		60.5%	0	202	202	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	54	54		61.7%	0	183	183	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	51	51		63.0%	0	173	173	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	44	44		64.2%	0	132	132	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	43	43		65.4%	0	122	122	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	42	42		66.7%	0	120	120	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	31	31		67.9%	0	70	70	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	26	26		69.1%	0	47	47	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	19	19		70.4%	0	43	43	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	8	8		71.6%	0	22	22	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	3	3		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	1	1		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,906	1,906		0.0%	0	1,955	1,955		0.0%	0	1,506	1,506		0.0%	0	518	518	
1.2%	0	1,889	1,889		1.2%	0	1,955	1,955		1.2%	0	1,498	1,498		1.2%	0	514	514	
2.5%	0	1,870	1,870		2.5%	0	1,951	1,951		2.5%	0	1,487	1,487		2.5%	0	510	510	
3.7%	0	1,867	1,867		3.7%	0	1,944	1,944		3.7%	0	1,471	1,471		3.7%	0	503	503	
4.9%	0	1,859	1,859		4.9%	0	1,942	1,942		4.9%	0	1,467	1,467		4.9%	0	503	503	
6.2%	0	1,856	1,856		6.2%	0	1,912	1,912		6.2%	0	1,466	1,466		6.2%	0	490	490	
7.4%	0	1,856	1,856		7.4%	0	1,912	1,912		7.4%	0	1,452	1,452		7.4%	0	489	489	
8.6%	0	1,823	1,823		8.6%	0	1,896	1,896		8.6%	0	1,449	1,449		8.6%	0	487	487	
9.9%	0	1,821	1,821		9.9%	0	1,892	1,892		9.9%	0	1,434	1,434		9.9%	0	486	486	
11.1%	0	1,813	1,813		11.1%	0	1,891	1,891		11.1%	0	1,404	1,404		11.1%	0	484	484	
12.3%	0	1,810	1,810		12.3%	0	1,884	1,884		12.3%	0	1,397	1,397		12.3%	0	484	484	
13.6%	0	1,796	1,796		13.6%	0	1,881	1,881		13.6%	0	1,390	1,390		13.6%	0	476	476	
14.8%	0	1,779	1,779		14.8%	0	1,880	1,880		14.8%	0	1,382	1,382		14.8%	0	469	469	
16.0%	0	1,772	1,772		16.0%	0	1,879	1,879		16.0%	0	1,250	1,250		16.0%	0	467	467	
17.3%	0	1,747	1,747		17.3%	0	1,876	1,876		17.3%	0	1,215	1,215		17.3%	0	464	464	
18.5%	0	1,745	1,745		18.5%	0	1,865	1,865		18.5%	0	1,208	1,208		18.5%	0	444	444	
19.8%	0	1,743	1,743		19.8%	0	1,863	1,863		19.8%	0	924	924		19.8%	0	444	444	
21.0%	0	1,724	1,724		21.0%	0	1,858	1,858		21.0%	0	651	651		21.0%	0	442	442	
22.2%	0	1,710	1,710		22.2%	0	1,853	1,853		22.2%	0	645	645		22.2%	0	440	440	
23.5%	0	1,707	1,707		23.5%	0	1,846	1,846		23.5%	0	636	636		23.5%	0	440	440	
24.7%	0	1,703	1,703		24.7%	0	1,833	1,833		24.7%	0	636	636		24.7%	0	431	431	
25.9%	0	1,683	1,683		25.9%	0	1,823	1,823		25.9%	0	621	621		25.9%	0	426	426	
27.2%	0	1,681	1,681		27.2%	0	1,823	1,823		27.2%	0	608	608		27.2%	0	393	393	
28.4%	0	1,578	1,578		28.4%	0	1,816	1,816		28.4%	0	604	604		28.4%	0	383	383	
29.6%	0	1,429	1,429		29.6%	0	1,810	1,810		29.6%	0	603	603		29.6%	0	375	375	
30.9%	0	1,418	1,418		30.9%	0	1,781	1,781		30.9%	0	566	566		30.9%	0	373	373	
32.1%	0	1,338	1,338		32.1%	0	1,771	1,771		32.1%	0	564	564		32.1%	0	361	361	
33.3%	0	1,274	1,274		33.3%	0	1,725	1,725		33.3%	0	562	562		33.3%	0	291	291	
34.6%	0	1,246	1,246		34.6%	0	1,708	1,708		34.6%	0	554	554		34.6%	0	277	277	
35.8%	0	1,059	1,059		35.8%	0	1,639	1,639		35.8%	0	543	543		35.8%	0	271	271	
37.0%	0	1,038	1,038		37.0%	0	1,525	1,525		37.0%	0	513	513		37.0%	0	267	267	
38.3%	0	859	859		38.3%	0	1,304	1,304		38.3%	0	510	510		38.3%	0	261	261	
39.5%	0	742	742		39.5%	0	1,238	1,238		39.5%	0	489	489		39.5%	0	246	246	
40.7%	0	679	679		40.7%	0	1,095	1,095		40.7%	0	464	464		40.7%	0	241	241	
42.0%	0	607	607		42.0%	0	1,021	1,021		42.0%	0	461	461		42.0%	0	234	234	
43.2%	0	603	603		43.2%	0	953	953		43.2%	0	457	457		43.2%	0	234	234	
44.4%	0	600	600		44.4%	0	831	831		44.4%	0	437	437		44.4%	0	232	232	
45.7%	0	580	580		45.7%	0	814	814		45.7%	0	387	387		45.7%	0	226	226	
46.9%	0	579	579		46.9%	0	814	814		46.9%	0	362	362		46.9%	0	226	226	
48.1%	0	571	571		48.1%	0	801	801		48.1%	0	358	358		48.1%	0	221	221	
49.4%	0	563	563		49.4%	0	793	793		49.4%	0	340	340		49.4%	0	215	215	
50.6%	0	530	530		50.6%	0	786	786		50.6%	0	324	324		50.6%	0	209	209	
51.9%	0	508	508		51.9%	0	775	775		51.9%	0	296	296		51.9%	0	203	203	
53.1%	0	488	488		53.1%	0	756	756		53.1%	0	263	263		53.1%	0	200	200	
54.3%	0	486	486		54.3%	0	705	705		54.3%	0	262	262		54.3%	0	178	178	
55.6%	0	478	478		55.6%	0	693	693		55.6%	0	234	234		55.6%	0	176	176	
56.8%	0	467	467		56.8%	0	686	686		56.8%	0	234	234		56.8%	0	175	175	
58.0%	0	460	460		58.0%	0	672	672		58.0%	0	230	230		58.0%	0	156	156	
59.3%	0	424	424		59.3%	0	654	654		59.3%	0	203	203		59.3%	0	146	146	
60.5%	0	379	379		60.5%	0	647	647		60.5%	0	198	198		60.5%	0	141	141	
61.7%	0	356	356		61.7%	0	632	632		61.7%	0	187	187		61.7%	0	135	135	
63.0%	0	344	344		63.0%	0	576	576		63.0%	0	157	157		63.0%	0	132	132	
64.2%	0	320	320		64.2%	0	571	571		64.2%	0	126	126		64.2%	0	124	124	
65.4%	0	316	316		65.4%	0	568	568		65.4%	0	121	121		65.4%	0	115	115	
66.7%	0	293	293		66.7%	0	562	562		66.7%	0	120	120		66.7%	0	112	112	
67.9%	0	291	291		67.9%	0	481	481		67.9%	0	118	118		67.9%	0	107	107	
69.1%	0	283	283		69.1%	0	423	423		69.1%	0	116	116		69.1%	0	106	106	
70.4%	0	245	245		70.4%	0	365	365		70.4%	0	79	79		70.4%	0	99	99	
71.6%	0	215	215		71.6%	0	359	359		71.6%	0	34	34		71.6%	0	90	90	
72.8%	0	209	209		72.8%	0	304	304		72.8%	0	34	34		72.8%	0	82	82	
74.1%	0	209	209		74.1%	0	288	288		74.1%	0	5	5		74.1%	0	71	71	
75.3%	0	207	207		75.3%	0	250	250		75.3%	0	3	3		75.3%	0	70	70	
76.5%	0	130	130		76.5%	0	142	142		76.5%	0	3	3		76.5%	0	60	60	
77.8%	0	126	126		77.8%	0	139	139		77.8%	0	3	3		77.8%	0	54	54	
79.0%	0	122	122		79.0%	0	79	79		79.0%	0	3	3		79.0%	0	53	53	
80.2%	0	95	95		80.2%	0	4	4		80.2%	0	3	3		80.2%	0	50	50	
81.5%	0	70	70		81.5%	0	2	2		81.5%	0	3	3		81.5%	0	49	49	
82.7%	0	40	40		82.7%	0	2	2		82.7%	0	3	3		82.7%	0	38	38	
84.0%	0	40	40		84.0%	0	2	2		84.0%	0	3	3		84.0%	0	36	36	
85.2%	0	13	13		85.2%	0	2	2		85.2%	0	3	3		85.2%	0	18	18	
86.4%	0	1	1		86.4%	0	2	2		86.4%	0	3	3		86.4%	0	5	5	
87.7%	0	1	1		87.7%	0	2	2		87.7%	0	3	3		87.7%	0	5	5	
88.9%	0	1	1		88.9%	0	2	2		88.9%	0	0	0		88.9%	0	5	5	
90.1%	0	1	1		90.1%	0	2	2		90.1%	0	0	0		90.1%	0	5	5	
91.4%	0	1	1		91.4%	0	2	2		91.4%	0	0	0		91.4%	0	5	5	
92.6%	0	1	1		92.6%	0	2	2		92.6%	0	0	0		92.6%	0	5	5	
93.8%	0	1	1		93.8%	0	2	2		93.8%	0	0	0		93.8%	0	5	5	
95.1%	0	1	1		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	5	5	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-06-9a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Flow (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	718	728	59	7	30	82	105	98	710	1,003	771	923
Difference	718	728	59	7	30	82	105	98	710	1,003	771	923
Percent Difference[3]												
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	839	1,170	25	0	0	0	0	0	369	745	461	1,160
Difference	839	1,170	25	0	0	0	0	0	369	745	461	1,160
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	934	1,195	86	0	0	0	0	0	388	1,158	888	999
Difference	934	1,195	86	0	0	0	0	0	388	1,158	888	999
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	429	242	74	0	121	37	0	0	707	1,009	852	728
Difference	429	242	74	0	121	37	0	0	707	1,009	852	728
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	777	536	97	0	0	83	41	43	1,116	1,378	1,270	1,014
Difference	777	536	97	0	0	83	41	43	1,116	1,378	1,270	1,014
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	488	161	31	45	62	392	657	606	1,166	834	484	426
Difference	488	161	31	45	62	392	657	606	1,166	834	484	426
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

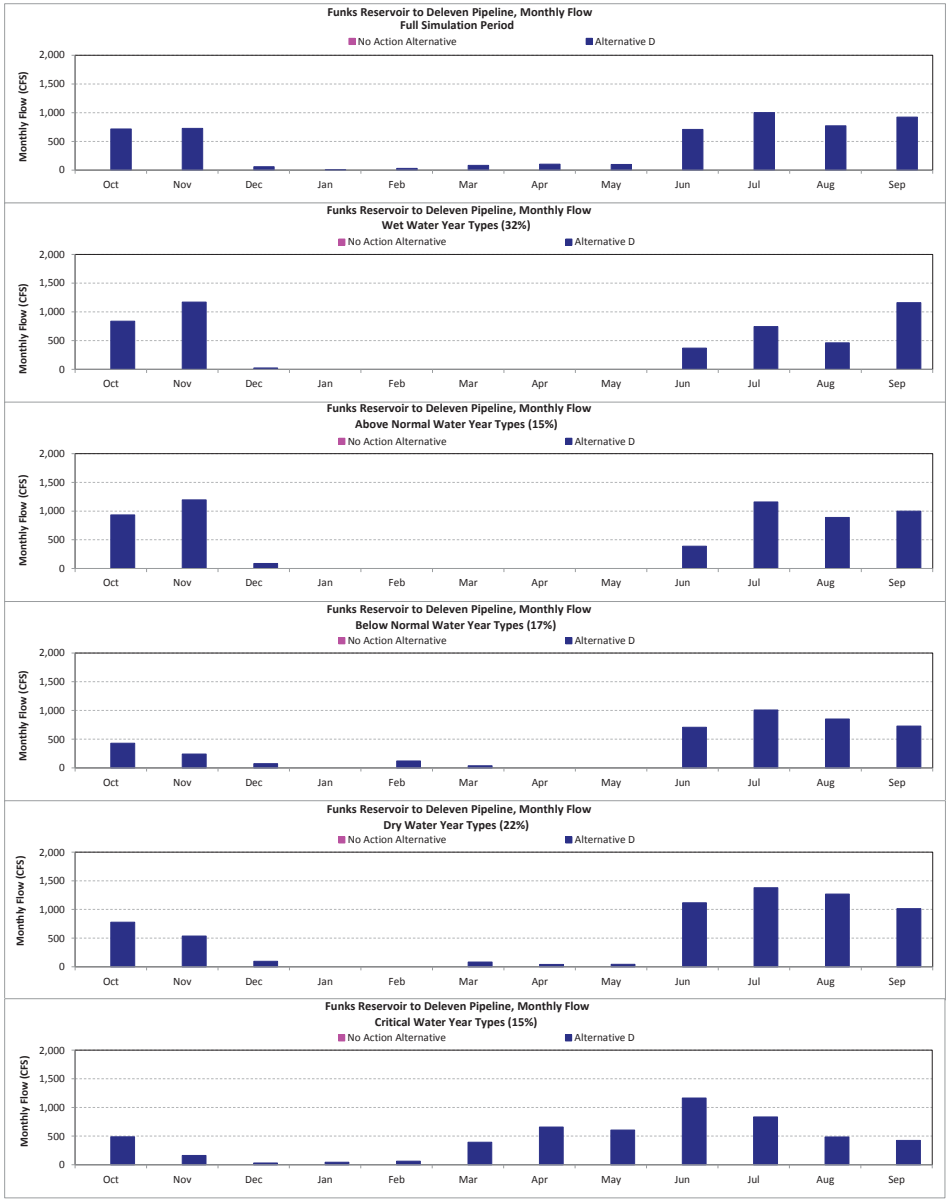

Figure OP-06-9b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

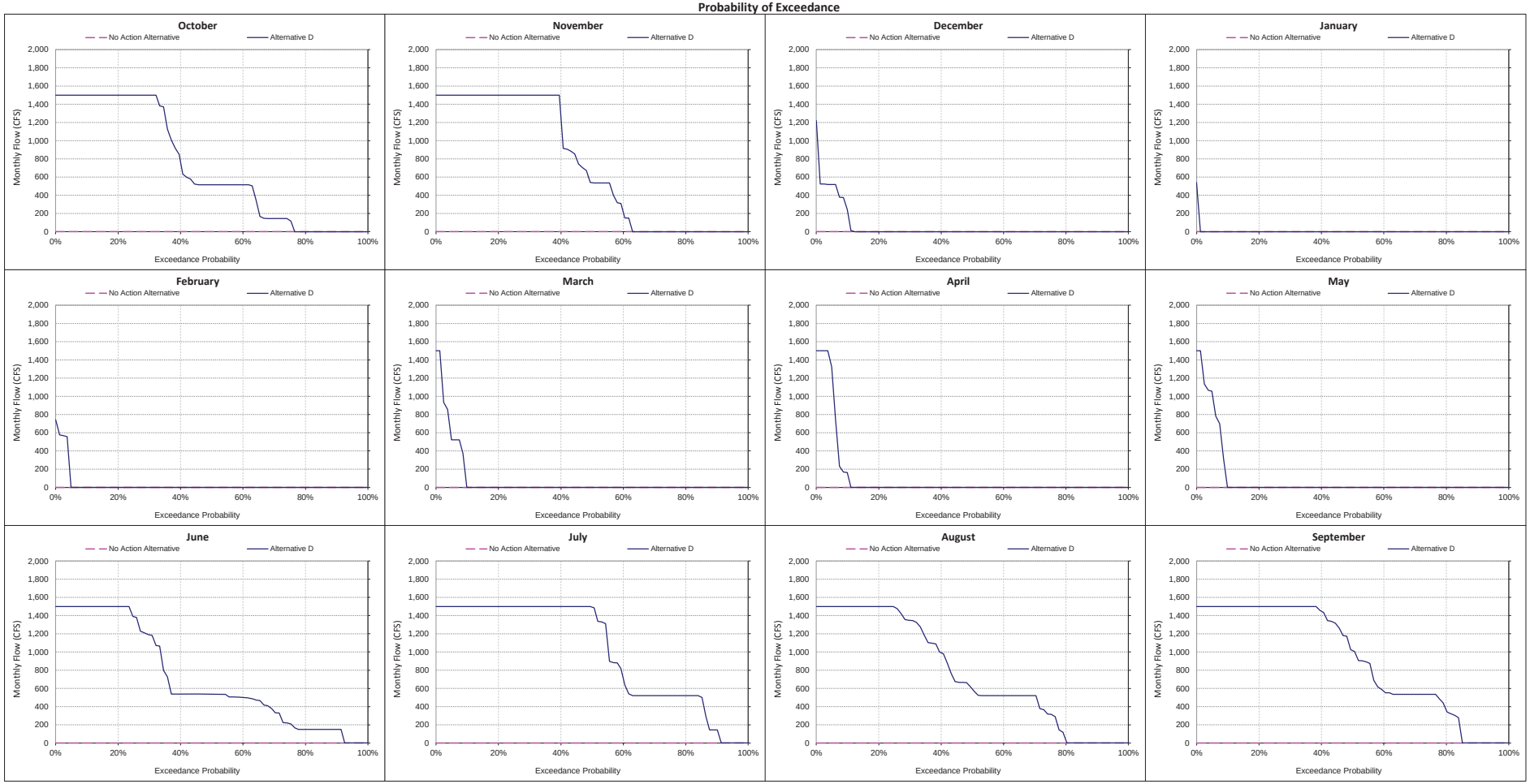

Table OP-06-9b

Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,220	1,220		0.0%	0	540	540	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	523	523		1.2%	0	0	0	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	523	523		2.5%	0	0	0	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	518	518		3.7%	0	0	0	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	518	518		4.9%	0	0	0	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	518	518		6.2%	0	0	0	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	378	378		7.4%	0	0	0	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	374	374		8.6%	0	0	0	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	245	245		9.9%	0	0	0	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	13	13		11.1%	0	0	0	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,500	1,500		25.9%	0	1,500	1,500		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,500	1,500		27.2%	0	1,500	1,500		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,500	1,500		28.4%	0	1,500	1,500		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,500	1,500		29.6%	0	1,500	1,500		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,500	1,500		30.9%	0	1,500	1,500		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,500	1,500		32.1%	0	1,500	1,500		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,384	1,384		33.3%	0	1,500	1,500		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,372	1,372		34.6%	0	1,500	1,500		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,125	1,125		35.8%	0	1,500	1,500		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,006	1,006		37.0%	0	1,500	1,500		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	917	917		38.3%	0	1,500	1,500		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	848	848		39.5%	0	1,500	1,500		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	632	632		40.7%	0	913	913		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	599	599		42.0%	0	907	907		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	577	577		43.2%	0	884	884		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	523	523		44.4%	0	855	855		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	516	516		45.7%	0	744	744		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	516	516		46.9%	0	703	703		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	516	516		48.1%	0	673	673		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	516	516		49.4%	0	540	540		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	516	516		50.6%	0	535	535		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	516	516		51.9%	0	535	535		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	516	516		53.1%	0	535	535		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	516	516		54.3%	0	535	535		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	516	516		55.6%	0	535	535		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	516	516		56.8%	0	402	402		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	516	516		58.0%	0	319	319		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	516	516		59.3%	0	310	310		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	516	516		60.5%	0	150	150		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	516	516		61.7%	0	150	150		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	504	504		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	346	346		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	167	167		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	148	148		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	145	145		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	145	145		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	145	145		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	145	145		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	145	145		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	145	145		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	115	115		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

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Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)		
0.0%	0	743	743		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
1.2%	0	576	576		0	1,500	1,500		0	1,500	1,500		0	1,500	1,500	
2.5%	0	567	567		0	934	934		0	1,500	1,500		0	1,135	1,135	
3.7%	0	556	556		0	856	856		0	1,500	1,500		0	1,066	1,066	
4.9%	0	0	0		0	523	523		0	1,323	1,323		0	1,056	1,056	
6.2%	0	0	0		0	523	523		0	740	740		0	781	781	
7.4%	0	0	0		0	522	522		0	232	232		0	698	698	
8.6%	0	0	0		0	373	373		0	168	168		0	314	314	
9.9%	0	0	0		0	0	0		0	162	162		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

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Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500		0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500		1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500		2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500		3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500		4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500		6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500		7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500		8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500		9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500		11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500		12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500		13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500		14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500		16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500		17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500		18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500		19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500		21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500		22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500		23.5%	0	1,500	1,500	
24.7%	0	1,391	1,391		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500		24.7%	0	1,500	1,500	
25.9%	0	1,380	1,380		25.9%	0	1,500	1,500		25.9%	0	1,475	1,475		25.9%	0	1,500	1,500	
27.2%	0	1,227	1,227		27.2%	0	1,500	1,500		27.2%	0	1,422	1,422		27.2%	0	1,500	1,500	
28.4%	0	1,212	1,212		28.4%	0	1,500	1,500		28.4%	0	1,355	1,355		28.4%	0	1,500	1,500	
29.6%	0	1,190	1,190		29.6%	0	1,500	1,500		29.6%	0	1,347	1,347		29.6%	0	1,500	1,500	
30.9%	0	1,184	1,184		30.9%	0	1,500	1,500		30.9%	0	1,346	1,346		30.9%	0	1,500	1,500	
32.1%	0	1,073	1,073		32.1%	0	1,500	1,500		32.1%	0	1,326	1,326		32.1%	0	1,500	1,500	
33.3%	0	1,065	1,065		33.3%	0	1,500	1,500		33.3%	0	1,277	1,277		33.3%	0	1,500	1,500	
34.6%	0	797	797		34.6%	0	1,500	1,500		34.6%	0	1,187	1,187		34.6%	0	1,500	1,500	
35.8%	0	726	726		35.8%	0	1,500	1,500		35.8%	0	1,103	1,103		35.8%	0	1,500	1,500	
37.0%	0	539	539		37.0%	0	1,500	1,500		37.0%	0	1,097	1,097		37.0%	0	1,500	1,500	
38.3%	0	539	539		38.3%	0	1,500	1,500		38.3%	0	1,089	1,089		38.3%	0	1,500	1,500	
39.5%	0	539	539		39.5%	0	1,500	1,500		39.5%	0	1,000	1,000		39.5%	0	1,457	1,457	
40.7%	0	539	539		40.7%	0	1,500	1,500		40.7%	0	979	979		40.7%	0	1,435	1,435	
42.0%	0	539	539		42.0%	0	1,500	1,500		42.0%	0	878	878		42.0%	0	1,347	1,347	
43.2%	0	539	539		43.2%	0	1,500	1,500		43.2%	0	763	763		43.2%	0	1,336	1,336	
44.4%	0	539	539		44.4%	0	1,500	1,500		44.4%	0	674	674		44.4%	0	1,317	1,317	
45.7%	0	539	539		45.7%	0	1,500	1,500		45.7%	0	667	667		45.7%	0	1,264	1,264	
46.9%	0	539	539		46.9%	0	1,500	1,500		46.9%	0	666	666		46.9%	0	1,181	1,181	
48.1%	0	539	539		48.1%	0	1,500	1,500		48.1%	0	664	664		48.1%	0	1,174	1,174	
49.4%	0	539	539		49.4%	0	1,500	1,500		49.4%	0	617	617		49.4%	0	1,024	1,024	
50.6%	0	539	539		50.6%	0	1,486	1,486		50.6%	0	565	565		50.6%	0	1,005	1,005	
51.9%	0	535	535		51.9%	0	1,336	1,336		51.9%	0	523	523		51.9%	0	907	907	
53.1%	0	534	534		53.1%	0	1,332	1,332		53.1%	0	519	519		53.1%	0	903	903	
54.3%	0	534	534		54.3%	0	1,312	1,312		54.3%	0	519	519		54.3%	0	891	891	
55.6%	0	506	506		55.6%	0	897	897		55.6%	0	519	519		55.6%	0	875	875	
56.8%	0	506	506		56.8%	0	884	884		56.8%	0	519	519		56.8%	0	688	688	
58.0%	0	506	506		58.0%	0	881	881		58.0%	0	519	519		58.0%	0	616	616	
59.3%	0	500	500		59.3%	0	816	816		59.3%	0	519	519		59.3%	0	589	589	
60.5%	0	500	500		60.5%	0	639	639		60.5%	0	519	519		60.5%	0	553	553	
61.7%	0	494	494		61.7%	0	540	540		61.7%	0	519	519		61.7%	0	552	552	
63.0%	0	486	486		63.0%	0	520	520		63.0%	0	519	519		63.0%	0	535	535	
64.2%	0	472	472		64.2%	0	520	520		64.2%	0	519	519		64.2%	0	535	535	
65.4%	0	467	467		65.4%	0	520	520		65.4%	0	519	519		65.4%	0	535	535	
66.7%	0	418	418		66.7%	0	520	520		66.7%	0	519	519		66.7%	0	535	535	
67.9%	0	410	410		67.9%	0	520	520		67.9%	0	519	519		67.9%	0	535	535	
69.1%	0	377	377		69.1%	0	520	520		69.1%	0	519	519		69.1%	0	535	535	
70.4%	0	333	333		70.4%	0	520	520		70.4%	0	519	519		70.4%	0	535	535	
71.6%	0	329	329		71.6%	0	520	520		71.6%	0	377	377		71.6%	0	535	535	
72.8%	0	224	224		72.8%	0	520	520		72.8%	0	365	365		72.8%	0	535	535	
74.1%	0	220	220		74.1%	0	520	520		74.1%	0	318	318		74.1%	0	535	535	
75.3%	0	209	209		75.3%	0	520	520		75.3%	0	315	315		75.3%	0	535	535	
76.5%	0	168	168		76.5%	0	520	520		76.5%	0	288	288		76.5%	0	535	535	
77.8%	0	150	150		77.8%	0	520	520		77.8%	0	145	145		77.8%	0	488	488	
79.0%	0	150	150		79.0%	0	520	520		79.0%	0	118	118		79.0%	0	442	442	
80.2%	0	150	150		80.2%	0	520	520		80.2%	0	0	0		80.2%	0	341	341	
81.5%	0	150	150		81.5%	0	520	520		81.5%	0	0	0		81.5%	0	322	322	
82.7%	0	150	150		82.7%	0	520	520		82.7%	0	0	0		82.7%	0	303	303	
84.0%	0	150	150		84.0%	0	520	520		84.0%	0	0	0		84.0%	0	279	279	
85.2%	0	150	150		85.2%	0	500	500		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	150	150		86.4%	0	293	293		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	150	150		87.7%	0	145	145		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	150	150		88.9%	0	145	145		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	150	150		90.1%	0	145	145		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	150	150		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-07-9a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (cfs)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	859	791	68	7	30	101	332	458	1,516	1,966	1,251	1,155
Difference	859	791	68	7	30	101	332	458	1,516	1,966	1,251	1,155
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,102	1,311	46	0	0	2	72	89	694	1,577	693	1,504
Difference	1,102	1,311	46	0	0	2	72	89	694	1,577	693	1,504
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	984	1,237	87	0	0	2	35	192	1,243	2,163	1,320	1,127
Difference	984	1,237	87	0	0	2	35	192	1,243	2,163	1,320	1,127
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	530	256	75	0	123	54	125	386	1,570	2,053	1,522	920
Difference	530	256	75	0	123	54	125	386	1,570	2,053	1,522	920
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	877	564	97	0	1	102	407	668	2,538	2,502	1,978	1,205
Difference	877	564	97	0	1	102	407	668	2,538	2,502	1,978	1,205
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	562	181	44	45	63	464	1,323	1,294	1,975	1,707	985	622
Difference	562	181	44	45	63	464	1,323	1,294	1,975	1,707	985	622
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

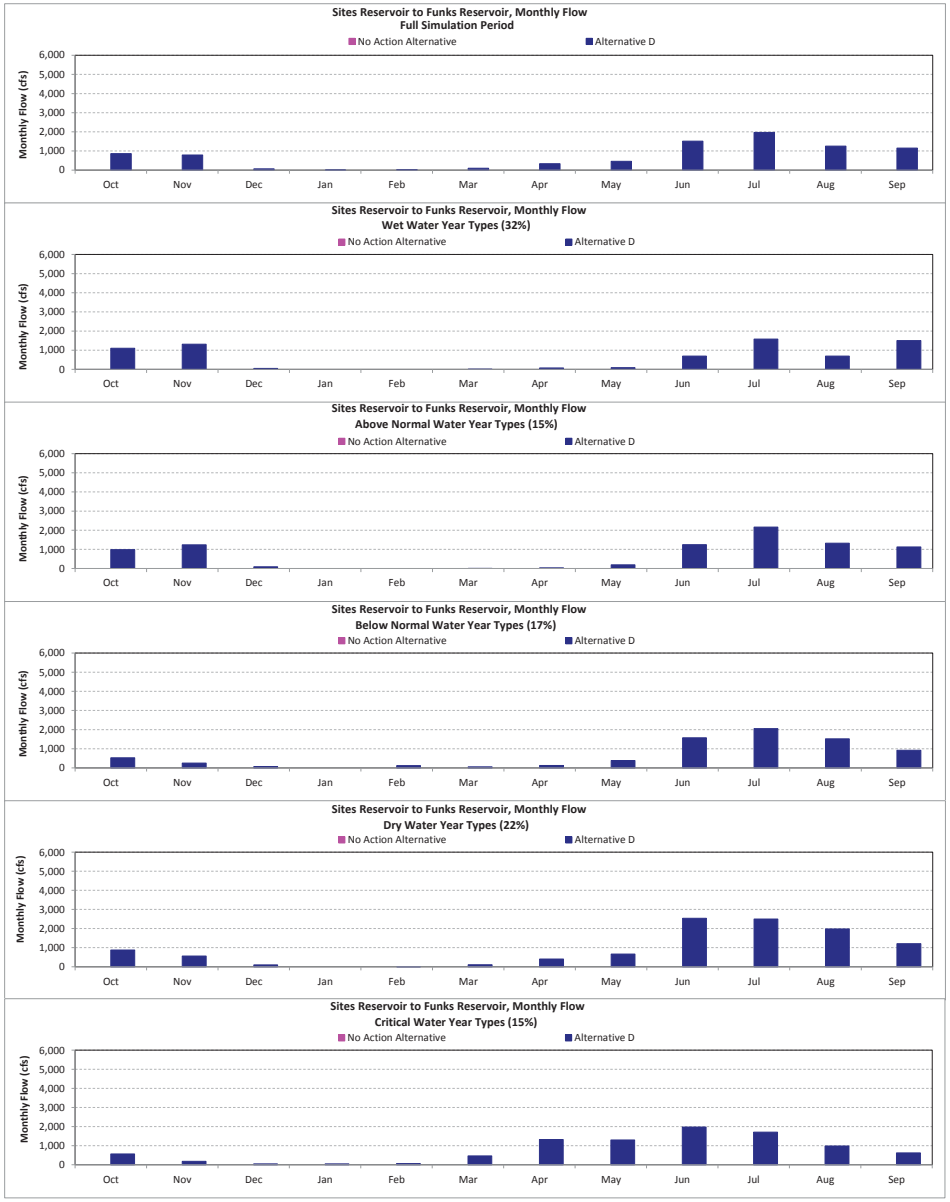

Figure OP-07-9b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

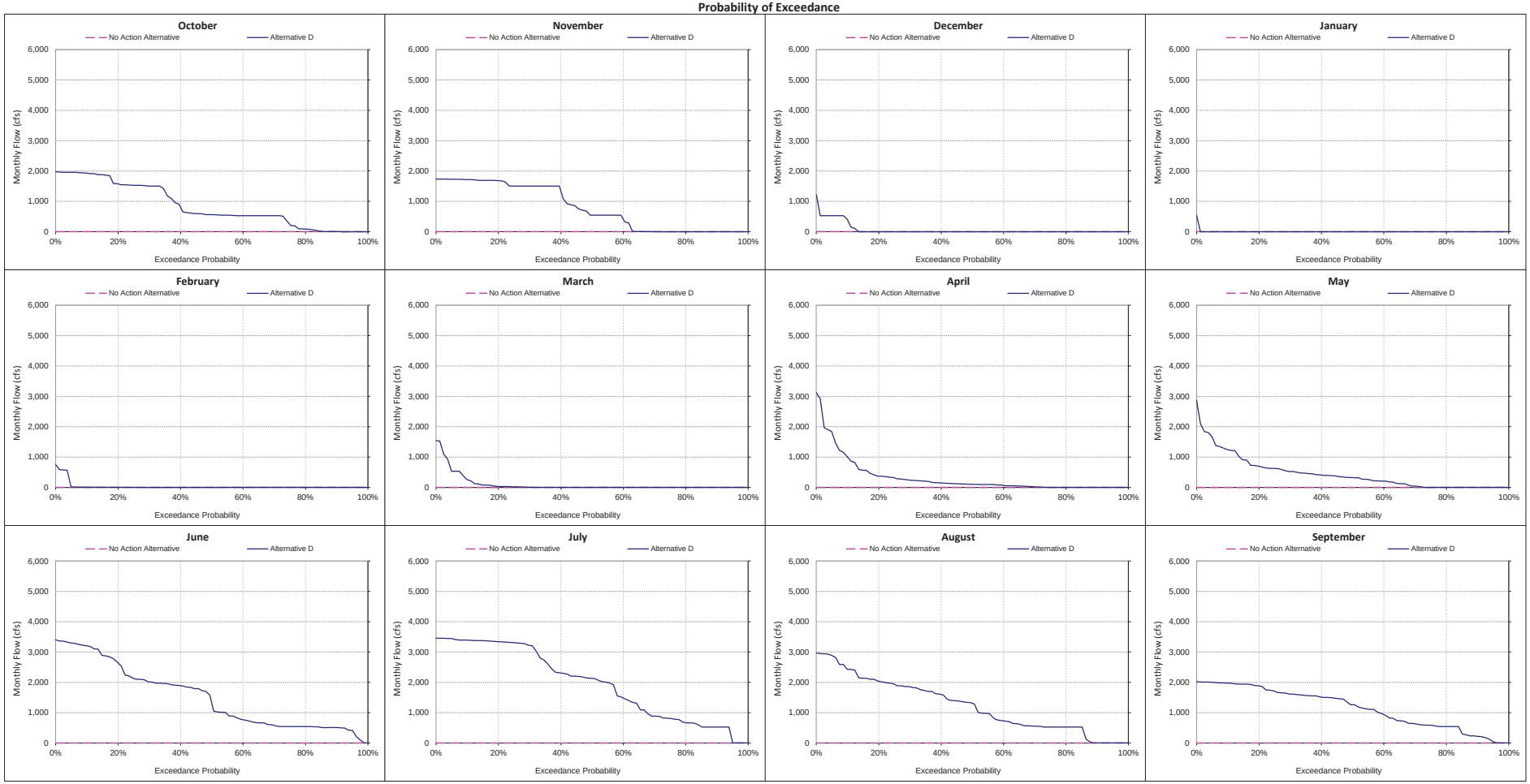

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,973	1,973		0.0%	0	1,738	1,738		0.0%	0	1,220	1,220		0.0%	0	540	540	
1.2%	0	1,962	1,962		1.2%	0	1,737	1,737		1.2%	0	523	523		1.2%	0	0	0	
2.5%	0	1,960	1,960		2.5%	0	1,736	1,736		2.5%	0	523	523		2.5%	0	0	0	
3.7%	0	1,959	1,959		3.7%	0	1,731	1,731		3.7%	0	523	523		3.7%	0	0	0	
4.9%	0	1,956	1,956		4.9%	0	1,726	1,726		4.9%	0	523	523		4.9%	0	0	0	
6.2%	0	1,954	1,954		6.2%	0	1,722	1,722		6.2%	0	523	523		6.2%	0	0	0	
7.4%	0	1,949	1,949		7.4%	0	1,721	1,721		7.4%	0	523	523		7.4%	0	0	0	
8.6%	0	1,942	1,942		8.6%	0	1,721	1,721		8.6%	0	523	523		8.6%	0	0	0	
9.9%	0	1,934	1,934		9.9%	0	1,719	1,719		9.9%	0	409	409		9.9%	0	0	0	
11.1%	0	1,915	1,915		11.1%	0	1,713	1,713		11.1%	0	149	149		11.1%	0	0	0	
12.3%	0	1,915	1,915		12.3%	0	1,709	1,709		12.3%	0	110	110		12.3%	0	0	0	
13.6%	0	1,880	1,880		13.6%	0	1,694	1,694		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	1,876	1,876		14.8%	0	1,692	1,692		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	1,865	1,865		16.0%	0	1,691	1,691		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	1,843	1,843		17.3%	0	1,691	1,691		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	1,591	1,591		18.5%	0	1,690	1,690		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	1,577	1,577		19.8%	0	1,679	1,679		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	1,547	1,547		21.0%	0	1,670	1,670		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	1,544	1,544		22.2%	0	1,638	1,638		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	1,536	1,536		23.5%	0	1,507	1,507		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	1,530	1,530		24.7%	0	1,505	1,505		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	1,525	1,525		25.9%	0	1,505	1,505		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	1,525	1,525		27.2%	0	1,505	1,505		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	1,523	1,523		28.4%	0	1,505	1,505		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	1,507	1,507		29.6%	0	1,505	1,505		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	1,507	1,507		30.9%	0	1,505	1,505		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	1,507	1,507		32.1%	0	1,505	1,505		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	1,507	1,507		33.3%	0	1,505	1,505		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	1,420	1,420		34.6%	0	1,503	1,503		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	1,179	1,179		35.8%	0	1,500	1,500		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	1,096	1,096		37.0%	0	1,500	1,500		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	951	951		38.3%	0	1,500	1,500		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	901	901		39.5%	0	1,500	1,500		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	656	656		40.7%	0	1,082	1,082		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	633	633		42.0%	0	919	919		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	613	613		43.2%	0	889	889		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	596	596		44.4%	0	860	860		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	591	591		45.7%	0	749	749		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	588	588		46.9%	0	703	703		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	563	563		48.1%	0	678	678		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	562	562		49.4%	0	542	542		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	558	558		50.6%	0	541	541		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	556	556		51.9%	0	541	541		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	545	545		53.1%	0	541	541		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	544	544		54.3%	0	540	540		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	544	544		55.6%	0	540	540		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	533	533		56.8%	0	540	540		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	529	529		58.0%	0	540	540		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	526	526		59.3%	0	540	540		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	524	524		60.5%	0	318	318		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	523	523		61.7%	0	288	288		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	523	523		63.0%	0	2	2		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	523	523		64.2%	0	2	2		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	523	523		65.4%	0	2	2		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	523	523		66.7%	0	1	1		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	523	523		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	523	523		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	523	523		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	523	523		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	506	506		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	346	346		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	198	198		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	189	189		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	96	96		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	90	90		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	78	78		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	75	75		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	56	56		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	33	33		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	9	9		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	9	9		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	8	8		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	2	2		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	1	1		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	743	743		0	1,543	1,543		0	3,115	3,115		0	2,872	2,872	
1.2%	0	579	579		0	1,524	1,524		0	2,919	2,919		0	2,102	2,102	
2.5%	0	570	570		0	1,099	1,099		0	1,969	1,969		0	1,839	1,839	
3.7%	0	569	569		0	938	938		0	1,900	1,900		0	1,808	1,808	
4.9%	0	17	17		0	530	530		0	1,838	1,838		0	1,682	1,682	
6.2%	0	14	14		0	528	528		0	1,453	1,453		0	1,381	1,381	
7.4%	0	0	0		0	528	528		0	1,216	1,216		0	1,344	1,344	
8.6%	0	0	0		0	394	394		0	1,153	1,153		0	1,293	1,293	
9.9%	0	0	0		0	261	261		0	1,014	1,014		0	1,240	1,240	
11.1%	0	0	0		0	217	217		0	868	868		0	1,215	1,215	
12.3%	0	0	0		0	121	121		0	823	823		0	1,211	1,211	
13.6%	0	0	0		0	114	114		0	590	590		0	1,023	1,023	
14.8%	0	0	0		0	77	77		0	567	567		0	911	911	
16.0%	0	0	0		0	76	76		0	554	554		0	897	897	
17.3%	0	0	0		0	71	71		0	462	462		0	732	732	
18.5%	0	0	0		0	45	45		0	409	409		0	721	721	
19.8%	0	0	0		0	29	29		0	373	373		0	699	699	
21.0%	0	0	0		0	29	29		0	365	365		0	669	669	
22.2%	0	0	0		0	28	28		0	349	349		0	644	644	
23.5%	0	0	0		0	25	25		0	336	336		0	627	627	
24.7%	0	0	0		0	16	16		0	329	329		0	627	627	
25.9%	0	0	0		0	15	15		0	287	287		0	616	616	
27.2%	0	0	0		0	9	9		0	277	277		0	595	595	
28.4%	0	0	0		0	8	8		0	254	254		0	546	546	
29.6%	0	0	0		0	7	7		0	243	243		0	526	526	
30.9%	0	0	0		0	5	5		0	231	231		0	523	523	
32.1%	0	0	0		0	5	5		0	222	222		0	499	499	
33.3%	0	0	0		0	3	3		0	219	219		0	472	472	
34.6%	0	0	0		0	2	2		0	210	210		0	469	469	
35.8%	0	0	0		0	2	2		0	194	194		0	456	456	
37.0%	0	0	0		0	1	1		0	159	159		0	445	445	
38.3%	0	0	0		0	1	1		0	158	158		0	421	421	
39.5%	0	0	0		0	1	1		0	153	153		0	414	414	
40.7%	0	0	0		0	0	0		0	143	143		0	396	396	
42.0%	0	0	0		0	0	0		0	136	136		0	396	396	
43.2%	0	0	0		0	0	0		0	119	119		0	382	382	
44.4%	0	0	0		0	0	0		0	119	119		0	377	377	
45.7%	0	0	0		0	0	0		0	108	108		0	352	352	
46.9%	0	0	0		0	0	0		0	108	108		0	343	343	
48.1%	0	0	0		0	0	0		0	106	106		0	330	330	
49.4%	0	0	0		0	0	0		0	106	106		0	324	324	
50.6%	0	0	0		0	0	0		0	104	104		0	317	317	
51.9%	0	0	0		0	0	0		0	98	98		0	316	316	
53.1%	0	0	0		0	0	0		0	94	94		0	269	269	
54.3%	0	0	0		0	0	0		0	94	94		0	267	267	
55.6%	0	0	0		0	0	0		0	93	93		0	248	248	
56.8%	0	0	0		0	0	0		0	93	93		0	212	212	
58.0%	0	0	0		0	0	0		0	81	81		0	212	212	
59.3%	0	0	0		0	0	0		0	74	74		0	204	204	
60.5%	0	0	0		0	0	0		0	56	56		0	202	202	
61.7%	0	0	0		0	0	0		0	54	54		0	183	183	
63.0%	0	0	0		0	0	0		0	51	51		0	173	173	
64.2%	0	0	0		0	0	0		0	44	44		0	132	132	
65.4%	0	0	0		0	0	0		0	43	43		0	122	122	
66.7%	0	0	0		0	0	0		0	42	42		0	120	120	
67.9%	0	0	0		0	0	0		0	31	31		0	70	70	
69.1%	0	0	0		0	0	0		0	26	26		0	47	47	
70.4%	0	0	0		0	0	0		0	19	19		0	43	43	
71.6%	0	0	0		0	0	0		0	8	8		0	22	22	
72.8%	0	0	0		0	0	0		0	3	3		0	0	0	
74.1%	0	0	0		0	0	0		0	1	1		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,406	3,406		0.0%	0	3,455	3,455		0.0%	0	2,966	2,966		0.0%	0	2,018	2,018	
1.2%	0	3,356	3,356		1.2%	0	3,455	3,455		1.2%	0	2,952	2,952		1.2%	0	2,014	2,014	
2.5%	0	3,356	3,356		2.5%	0	3,451	3,451		2.5%	0	2,942	2,942		2.5%	0	2,010	2,010	
3.7%	0	3,321	3,321		3.7%	0	3,444	3,444		3.7%	0	2,934	2,934		3.7%	0	2,003	2,003	
4.9%	0	3,296	3,296		4.9%	0	3,442	3,442		4.9%	0	2,890	2,890		4.9%	0	2,003	2,003	
6.2%	0	3,279	3,279		6.2%	0	3,412	3,412		6.2%	0	2,819	2,819		6.2%	0	1,987	1,987	
7.4%	0	3,245	3,245		7.4%	0	3,396	3,396		7.4%	0	2,590	2,590		7.4%	0	1,984	1,984	
8.6%	0	3,224	3,224		8.6%	0	3,392	3,392		8.6%	0	2,587	2,587		8.6%	0	1,984	1,984	
9.9%	0	3,207	3,207		9.9%	0	3,391	3,391		9.9%	0	2,428	2,428		9.9%	0	1,976	1,976	
11.1%	0	3,183	3,183		11.1%	0	3,384	3,384		11.1%	0	2,424	2,424		11.1%	0	1,969	1,969	
12.3%	0	3,101	3,101		12.3%	0	3,380	3,380		12.3%	0	2,404	2,404		12.3%	0	1,944	1,944	
13.6%	0	3,090	3,090		13.6%	0	3,379	3,379		13.6%	0	2,151	2,151		13.6%	0	1,944	1,944	
14.8%	0	2,892	2,892		14.8%	0	3,376	3,376		14.8%	0	2,136	2,136		14.8%	0	1,942	1,942	
16.0%	0	2,875	2,875		16.0%	0	3,365	3,365		16.0%	0	2,135	2,135		16.0%	0	1,940	1,940	
17.3%	0	2,838	2,838		17.3%	0	3,363	3,363		17.3%	0	2,104	2,104		17.3%	0	1,931	1,931	
18.5%	0	2,774	2,774		18.5%	0	3,353	3,353		18.5%	0	2,103	2,103		18.5%	0	1,893	1,893	
19.8%	0	2,664	2,664		19.8%	0	3,346	3,346		19.8%	0	2,043	2,043		19.8%	0	1,883	1,883	
21.0%	0	2,538	2,538		21.0%	0	3,333	3,333		21.0%	0	2,013	2,013		21.0%	0	1,861	1,861	
22.2%	0	2,242	2,242		22.2%	0	3,323	3,323		22.2%	0	1,989	1,989		22.2%	0	1,746	1,746	
23.5%	0	2,215	2,215		23.5%	0	3,323	3,323		23.5%	0	1,971	1,971		23.5%	0	1,741	1,741	
24.7%	0	2,132	2,132		24.7%	0	3,310	3,310		24.7%	0	1,957	1,957		24.7%	0	1,715	1,715	
25.9%	0	2,103	2,103		25.9%	0	3,302	3,302		25.9%	0	1,890	1,890		25.9%	0	1,664	1,664	
27.2%	0	2,100	2,100		27.2%	0	3,281	3,281		27.2%	0	1,887	1,887		27.2%	0	1,656	1,656	
28.4%	0	2,080	2,080		28.4%	0	3,271	3,271		28.4%	0	1,862	1,862		28.4%	0	1,646	1,646	
29.6%	0	2,020	2,020		29.6%	0	3,225	3,225		29.6%	0	1,858	1,858		29.6%	0	1,612	1,612	
30.9%	0	2,009	2,009		30.9%	0	3,208	3,208		30.9%	0	1,824	1,824		30.9%	0	1,611	1,611	
32.1%	0	1,973	1,973		32.1%	0	3,025	3,025		32.1%	0	1,821	1,821		32.1%	0	1,599	1,599	
33.3%	0	1,972	1,972		33.3%	0	2,804	2,804		33.3%	0	1,759	1,759		33.3%	0	1,591	1,591	
34.6%	0	1,963	1,963		34.6%	0	2,738	2,738		34.6%	0	1,730	1,730		34.6%	0	1,570	1,570	
35.8%	0	1,954	1,954		35.8%	0	2,595	2,595		35.8%	0	1,698	1,698		35.8%	0	1,560	1,560	
37.0%	0	1,922	1,922		37.0%	0	2,453	2,453		37.0%	0	1,697	1,697		37.0%	0	1,554	1,554	
38.3%	0	1,904	1,904		38.3%	0	2,331	2,331		38.3%	0	1,617	1,617		38.3%	0	1,553	1,553	
39.5%	0	1,897	1,897		39.5%	0	2,314	2,314		39.5%	0	1,616	1,616		39.5%	0	1,518	1,518	
40.7%	0	1,879	1,879		40.7%	0	2,301	2,301		40.7%	0	1,579	1,579		40.7%	0	1,505	1,505	
42.0%	0	1,844	1,844		42.0%	0	2,275	2,275		42.0%	0	1,444	1,444		42.0%	0	1,505	1,505	
43.2%	0	1,831	1,831		43.2%	0	2,205	2,205		43.2%	0	1,395	1,395		43.2%	0	1,490	1,490	
44.4%	0	1,791	1,791		44.4%	0	2,205	2,205		44.4%	0	1,395	1,395		44.4%	0	1,477	1,477	
45.7%	0	1,790	1,790		45.7%	0	2,193	2,193		45.7%	0	1,381	1,381		45.7%	0	1,461	1,461	
46.9%	0	1,728	1,728		46.9%	0	2,179	2,179		46.9%	0	1,360	1,360		46.9%	0	1,449	1,449	
48.1%	0	1,694	1,694		48.1%	0	2,147	2,147		48.1%	0	1,350	1,350		48.1%	0	1,358	1,358	
49.4%	0	1,579	1,579		49.4%	0	2,132	2,132		49.4%	0	1,329	1,329		49.4%	0	1,263	1,263	
50.6%	0	1,046	1,046		50.6%	0	2,128	2,128		50.6%	0	1,288	1,288		50.6%	0	1,258	1,258	
51.9%	0	1,020	1,020		51.9%	0	2,076	2,076		51.9%	0	1,006	1,006		51.9%	0	1,183	1,183	
53.1%	0	1,016	1,016		53.1%	0	2,026	2,026		53.1%	0	983	983		53.1%	0	1,152	1,152	
54.3%	0	1,009	1,009		54.3%	0	2,003	2,003		54.3%	0	980	980		54.3%	0	1,129	1,129	
55.6%	0	894	894		55.6%	0	1,981	1,981		55.6%	0	963	963		55.6%	0	1,111	1,111	
56.8%	0	888	888		56.8%	0	1,923	1,923		56.8%	0	815	815		56.8%	0	1,105	1,105	
58.0%	0	831	831		58.0%	0	1,555	1,555		58.0%	0	753	753		58.0%	0	1,015	1,015	
59.3%	0	784	784		59.3%	0	1,521	1,521		59.3%	0	743	743		59.3%	0	973	973	
60.5%	0	753	753		60.5%	0	1,459	1,459		60.5%	0	722	722		60.5%	0	913	913	
61.7%	0	729	729		61.7%	0	1,395	1,395		61.7%	0	707	707		61.7%	0	829	829	
63.0%	0	697	697		63.0%	0	1,336	1,336		63.0%	0	643	643		63.0%	0	815	815	
64.2%	0	668	668		64.2%	0	1,314	1,314		64.2%	0	636	636		64.2%	0	743	743	
65.4%	0	664	664		65.4%	0	1,091	1,091		65.4%	0	608	608		65.4%	0	735	735	
66.7%	0	660	660		66.7%	0	1,088	1,088		66.7%	0	570	570		66.7%	0	716	716	
67.9%	0	610	610		67.9%	0	959	959		67.9%	0	564	564		67.9%	0	642	642	
69.1%	0	603	603		69.1%	0	885	885		69.1%	0	562	562		69.1%	0	641	641	
70.4%	0	571	571		70.4%	0	884	884		70.4%	0	555	555		70.4%	0	626	626	
71.6%	0	540	540		71.6%	0	879	879		71.6%	0	554	554		71.6%	0	606	606	
72.8%	0	540	540		72.8%	0	825	825		72.8%	0	523	523		72.8%	0	593	593	
74.1%	0	540	540		74.1%	0	819	819		74.1%	0	523	523		74.1%	0	585	585	
75.3%	0	540	540		75.3%	0	808	808		75.3%	0	523	523		75.3%	0	584	584	
76.5%	0	540	540		76.5%	0	786	786		76.5%	0	523	523		76.5%	0	558	558	
77.8%	0	540	540		77.8%	0	770	770		77.8%	0	523	523		77.8%	0	541	541	
79.0%	0	540	540		79.0%	0	686	686		79.0%	0	523	523		79.0%	0	540	540	
80.2%	0	540	540		80.2%	0	662	662		80.2%	0	523	523		80.2%	0	540	540	
81.5%	0	540	540		81.5%	0	659	659		81.5%	0	523	523		81.5%	0	540	540	
82.7%	0	538	538		82.7%	0	654	654		82.7%	0	523	523		82.7%	0	540	540	
84.0%	0	535	535		84.0%	0	599	599		84.0%	0	523	523		84.0%	0	540	540	
85.2%	0	507	507		85.2%	0	523	523		85.2%	0	523	523		85.2%	0	291	291	
86.4%	0	507	507		86.4%	0	523	523		86.4%	0	120	120		86.4%	0	267	267	
87.7%	0	507	507		87.7%	0	523	523		87.7%	0	34	34		87.7%	0	234	234	
88.9%	0	507	507		88.9%	0	523	523		88.9%	0	0	0		88.9%	0	232	232	
90.1%	0	507	507		90.1%	0	523	523		90.1%	0	0	0		90.1%	0	221	221	
91.4%	0	500	500		91.4%	0	523	523		91.4%	0	0	0		91.4%	0	209	209	
92.6%	0	488	488		92.6%	0	523	523		92.6%	0	0	0		92.6%	0	175	175	
93.8%	0	424	424		93.8%	0	523	523		93.8%	0	0	0		93.8%	0	124	124	
95.1%	0	410	410		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	36	36	
96.3%	0	209	209		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	95	95		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-9a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

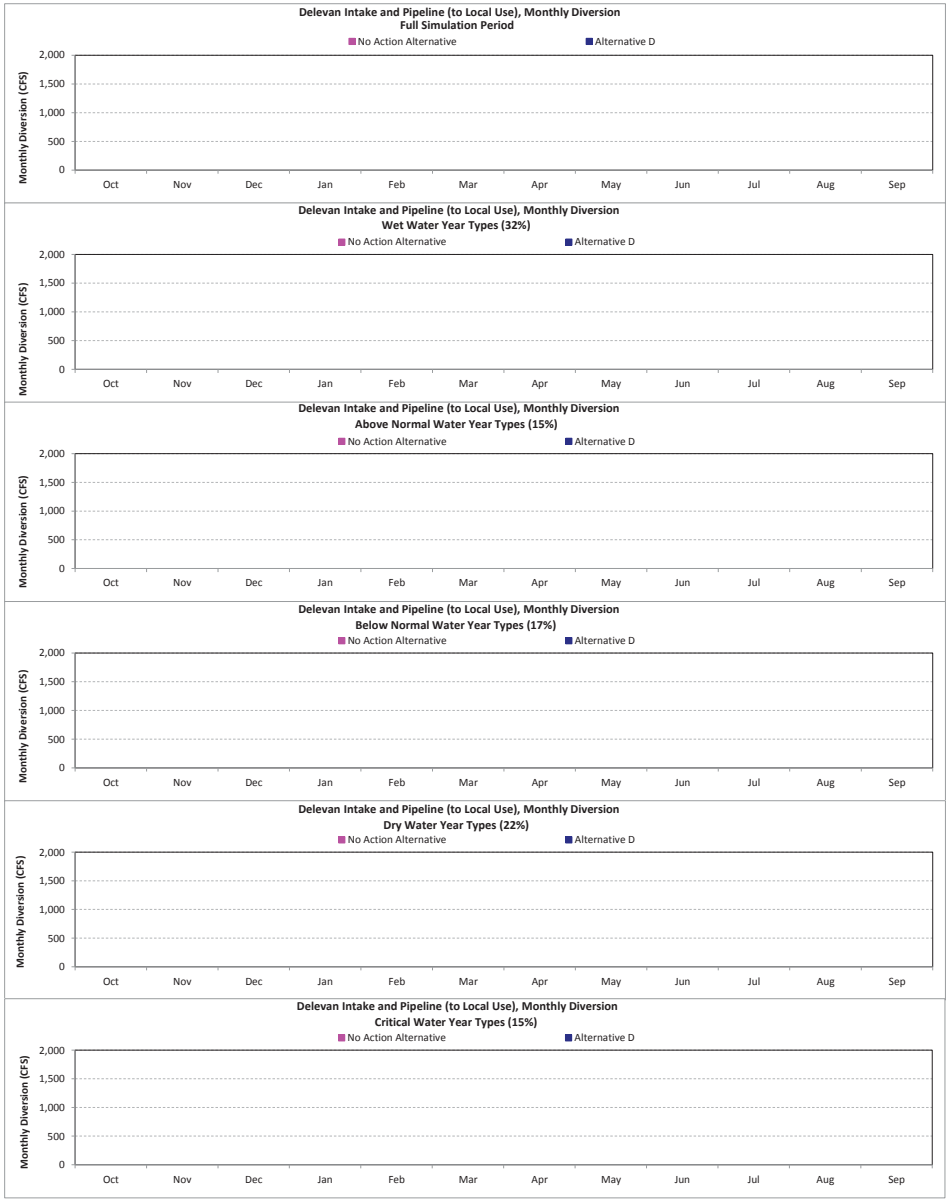

Figure OP-08-9b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

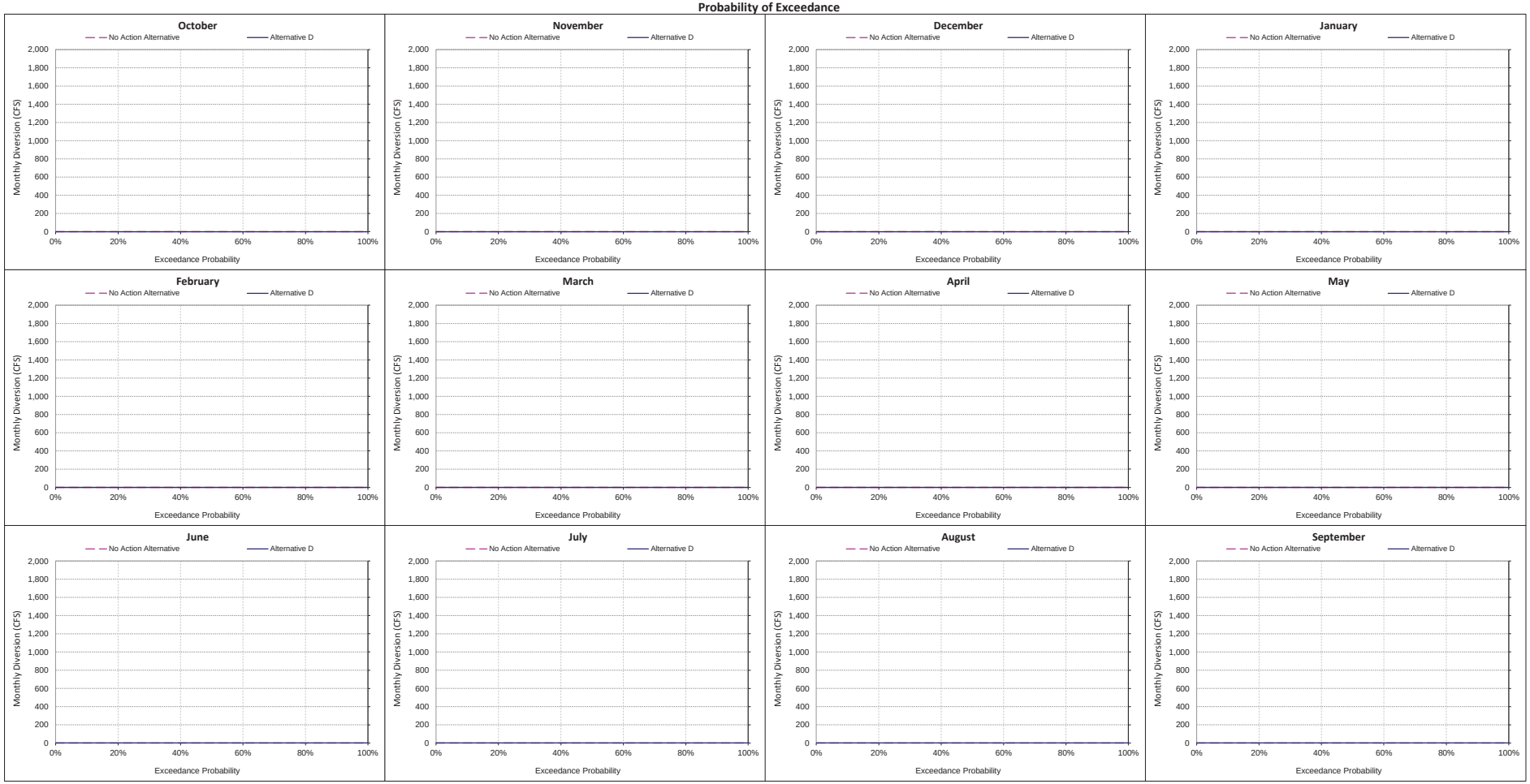

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0		0.0%	0	0	0	
1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0		1.2%	0	0	0	
2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0		2.5%	0	0	0	
3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0		3.7%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0	
75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0	
100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0		100.0%	0	0	0	

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	0	0		0	0	0	
1.2%	0	0	0		0	0	0		0	0	0		0	0	0	
2.5%	0	0	0		0	0	0		0	0	0		0	0	0	
3.7%	0	0	0		0	0	0		0	0	0		0	0	0	
4.9%	0	0	0		0	0	0		0	0	0		0	0	0	
6.2%	0	0	0		0	0	0		0	0	0		0	0	0	
7.4%	0	0	0		0	0	0		0	0	0		0	0	0	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0		0	0	0		0	0	0		0	0	0	
1.2%	0	0	0		0	0	0		0	0	0		0	0	0	
2.5%	0	0	0		0	0	0		0	0	0		0	0	0	
3.7%	0	0	0		0	0	0		0	0	0		0	0	0	
4.9%	0	0	0		0	0	0		0	0	0		0	0	0	
6.2%	0	0	0		0	0	0		0	0	0		0	0	0	
7.4%	0	0	0		0	0	0		0	0	0		0	0	0	
8.6%	0	0	0		0	0	0		0	0	0		0	0	0	
9.9%	0	0	0		0	0	0		0	0	0		0	0	0	
11.1%	0	0	0		0	0	0		0	0	0		0	0	0	
12.3%	0	0	0		0	0	0		0	0	0		0	0	0	
13.6%	0	0	0		0	0	0		0	0	0		0	0	0	
14.8%	0	0	0		0	0	0		0	0	0		0	0	0	
16.0%	0	0	0		0	0	0		0	0	0		0	0	0	
17.3%	0	0	0		0	0	0		0	0	0		0	0	0	
18.5%	0	0	0		0	0	0		0	0	0		0	0	0	
19.8%	0	0	0		0	0	0		0	0	0		0	0	0	
21.0%	0	0	0		0	0	0		0	0	0		0	0	0	
22.2%	0	0	0		0	0	0		0	0	0		0	0	0	
23.5%	0	0	0		0	0	0		0	0	0		0	0	0	
24.7%	0	0	0		0	0	0		0	0	0		0	0	0	
25.9%	0	0	0		0	0	0		0	0	0		0	0	0	
27.2%	0	0	0		0	0	0		0	0	0		0	0	0	
28.4%	0	0	0		0	0	0		0	0	0		0	0	0	
29.6%	0	0	0		0	0	0		0	0	0		0	0	0	
30.9%	0	0	0		0	0	0		0	0	0		0	0	0	
32.1%	0	0	0		0	0	0		0	0	0		0	0	0	
33.3%	0	0	0		0	0	0		0	0	0		0	0	0	
34.6%	0	0	0		0	0	0		0	0	0		0	0	0	
35.8%	0	0	0		0	0	0		0	0	0		0	0	0	
37.0%	0	0	0		0	0	0		0	0	0		0	0	0	
38.3%	0	0	0		0	0	0		0	0	0		0	0	0	
39.5%	0	0	0		0	0	0		0	0	0		0	0	0	
40.7%	0	0	0		0	0	0		0	0	0		0	0	0	
42.0%	0	0	0		0	0	0		0	0	0		0	0	0	
43.2%	0	0	0		0	0	0		0	0	0		0	0	0	
44.4%	0	0	0		0	0	0		0	0	0		0	0	0	
45.7%	0	0	0		0	0	0		0	0	0		0	0	0	
46.9%	0	0	0		0	0	0		0	0	0		0	0	0	
48.1%	0	0	0		0	0	0		0	0	0		0	0	0	
49.4%	0	0	0		0	0	0		0	0	0		0	0	0	
50.6%	0	0	0		0	0	0		0	0	0		0	0	0	
51.9%	0	0	0		0	0	0		0	0	0		0	0	0	
53.1%	0	0	0		0	0	0		0	0	0		0	0	0	
54.3%	0	0	0		0	0	0		0	0	0		0	0	0	
55.6%	0	0	0		0	0	0		0	0	0		0	0	0	
56.8%	0	0	0		0	0	0		0	0	0		0	0	0	
58.0%	0	0	0		0	0	0		0	0	0		0	0	0	
59.3%	0	0	0		0	0	0		0	0	0		0	0	0	
60.5%	0	0	0		0	0	0		0	0	0		0	0	0	
61.7%	0	0	0		0	0	0		0	0	0		0	0	0	
63.0%	0	0	0		0	0	0		0	0	0		0	0	0	
64.2%	0	0	0		0	0	0		0	0	0		0	0	0	
65.4%	0	0	0		0	0	0		0	0	0		0	0	0	
66.7%	0	0	0		0	0	0		0	0	0		0	0	0	
67.9%	0	0	0		0	0	0		0	0	0		0	0	0	
69.1%	0	0	0		0	0	0		0	0	0		0	0	0	
70.4%	0	0	0		0	0	0		0	0	0		0	0	0	
71.6%	0	0	0		0	0	0		0	0	0		0	0	0	
72.8%	0	0	0		0	0	0		0	0	0		0	0	0	
74.1%	0	0	0		0	0	0		0	0	0		0	0	0	
75.3%	0	0	0		0	0	0		0	0	0		0	0	0	
76.5%	0	0	0		0	0	0		0	0	0		0	0	0	
77.8%	0	0	0		0	0	0		0	0	0		0	0	0	
79.0%	0	0	0		0	0	0		0	0	0		0	0	0	
80.2%	0	0	0		0	0	0		0	0	0		0	0	0	
81.5%	0	0	0		0	0	0		0	0	0		0	0	0	
82.7%	0	0	0		0	0	0		0	0	0		0	0	0	
84.0%	0	0	0		0	0	0		0	0	0		0	0	0	
85.2%	0	0	0		0	0	0		0	0	0		0	0	0	
86.4%	0	0	0		0	0	0		0	0	0		0	0	0	
87.7%	0	0	0		0	0	0		0	0	0		0	0	0	
88.9%	0	0	0		0	0	0		0	0	0		0	0	0	
90.1%	0	0	0		0	0	0		0	0	0		0	0	0	
91.4%	0	0	0		0	0	0		0	0	0		0	0	0	
92.6%	0	0	0		0	0	0		0	0	0		0	0	0	
93.8%	0	0	0		0	0	0		0	0	0		0	0	0	
95.1%	0	0	0		0	0	0		0	0	0		0	0	0	
96.3%	0	0	0		0	0	0		0	0	0		0	0	0	
97.5%	0	0	0		0	0	0		0	0	0		0	0	0	
98.8%	0	0	0		0	0	0		0	0	0		0	0	0	
100.0%	0	0	0		0	0	0		0	0	0		0	0	0	

Table OP-09-9a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,031	998	1,090	1,225	1,349	1,460	1,469	1,447	1,357	1,230	1,154	1,083
Difference	1,031	998	1,090	1,225	1,349	1,460	1,469	1,447	1,357	1,230	1,154	1,083
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,463	1,400	1,526	1,581	1,697	1,771	1,788	1,791	1,744	1,643	1,615	1,524
Difference	1,463	1,400	1,526	1,581	1,697	1,771	1,788	1,791	1,744	1,643	1,615	1,524
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,252	1,208	1,336	1,259	1,443	1,610	1,666	1,679	1,617	1,475	1,386	1,314
Difference	1,252	1,208	1,336	1,259	1,443	1,610	1,666	1,679	1,617	1,475	1,386	1,314
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,035	1,027	1,112	1,154	1,277	1,424	1,465	1,451	1,363	1,229	1,128	1,069
Difference	1,035	1,027	1,112	1,154	1,277	1,424	1,465	1,451	1,363	1,229	1,128	1,069
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	758	739	793	1,099	1,231	1,378	1,376	1,330	1,175	1,014	886	813
Difference	758	739	793	1,099	1,231	1,378	1,376	1,330	1,175	1,014	886	813
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	282	275	320	694	763	803	724	641	520	416	355	317
Difference	282	275	320	694	763	803	724	641	520	416	355	317
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

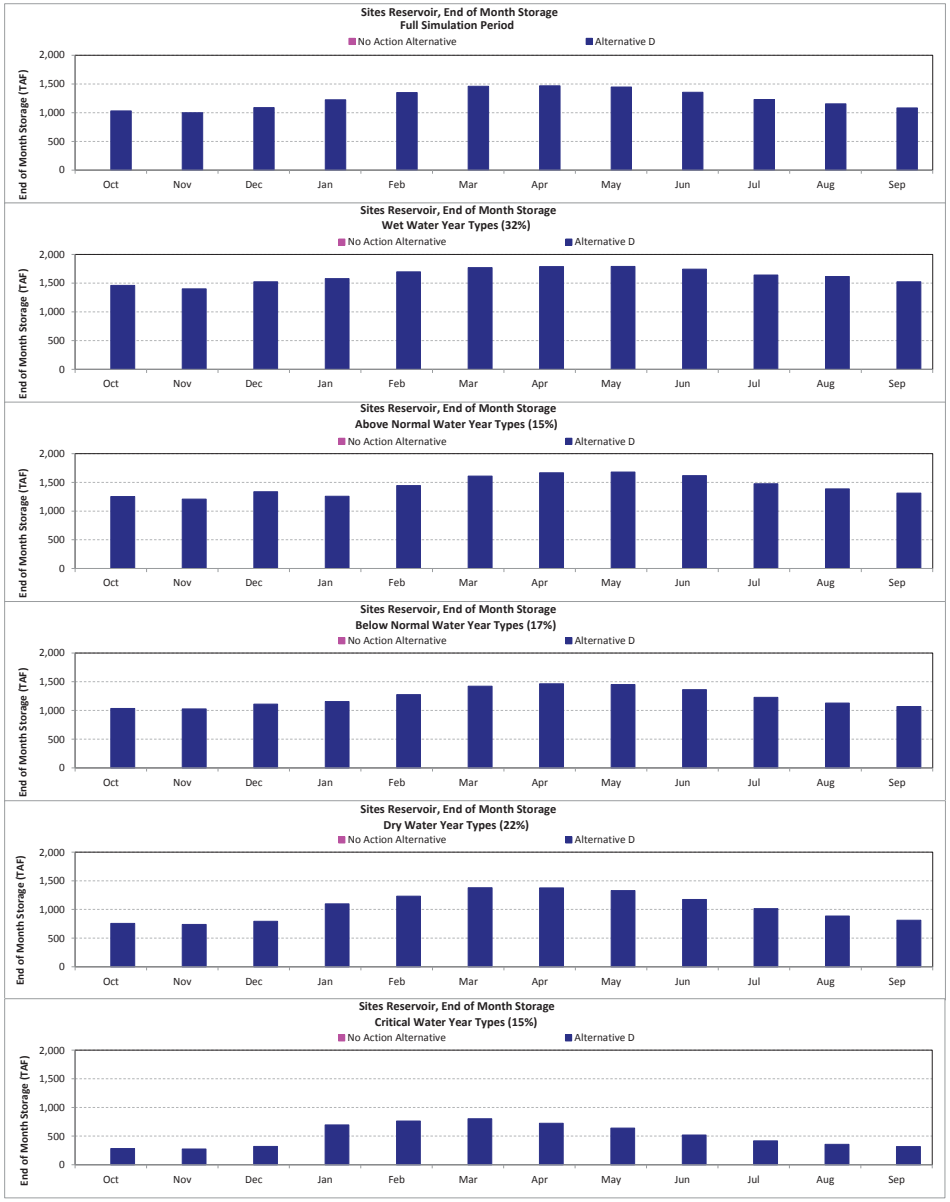

Figure OP-09-9b
Sites Reservoir, End of Month Storage
Probability of Exceedance

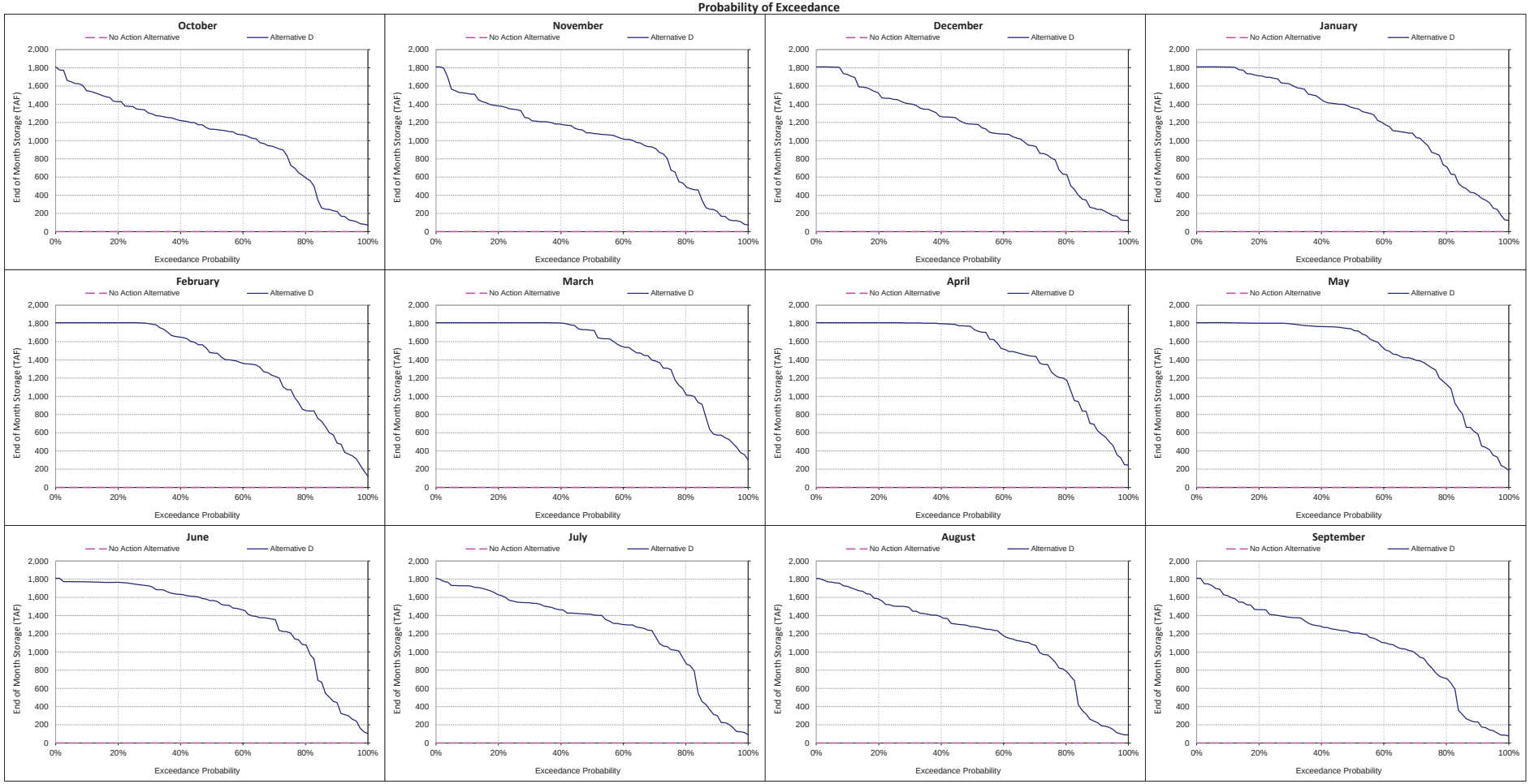

Table OP-09-9b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810	
1.2%	0	1,776	1,776		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810		1.2%	0	1,810	1,810	
2.5%	0	1,774	1,774		2.5%	0	1,796	1,796		2.5%	0	1,810	1,810		2.5%	0	1,810	1,810	
3.7%	0	1,664	1,664		3.7%	0	1,699	1,699		3.7%	0	1,810	1,810		3.7%	0	1,810	1,810	
4.9%	0	1,648	1,648		4.9%	0	1,564	1,564		4.9%	0	1,809	1,809		4.9%	0	1,810	1,810	
6.2%	0	1,628	1,628		6.2%	0	1,548	1,548		6.2%	0	1,807	1,807		6.2%	0	1,810	1,810	
7.4%	0	1,625	1,625		7.4%	0	1,527	1,527		7.4%	0	1,806	1,806		7.4%	0	1,810	1,810	
8.6%	0	1,609	1,609		8.6%	0	1,525	1,525		8.6%	0	1,737	1,737		8.6%	0	1,810	1,810	
9.9%	0	1,547	1,547		9.9%	0	1,519	1,519		9.9%	0	1,727	1,727		9.9%	0	1,809	1,809	
11.1%	0	1,542	1,542		11.1%	0	1,512	1,512		11.1%	0	1,708	1,708		11.1%	0	1,807	1,807	
12.3%	0	1,527	1,527		12.3%	0	1,511	1,511		12.3%	0	1,695	1,695		12.3%	0	1,806	1,806	
13.6%	0	1,514	1,514		13.6%	0	1,448	1,448		13.6%	0	1,591	1,591		13.6%	0	1,780	1,780	
14.8%	0	1,496	1,496		14.8%	0	1,428	1,428		14.8%	0	1,588	1,588		14.8%	0	1,777	1,777	
16.0%	0	1,483	1,483		16.0%	0	1,416	1,416		16.0%	0	1,582	1,582		16.0%	0	1,737	1,737	
17.3%	0	1,474	1,474		17.3%	0	1,396	1,396		17.3%	0	1,566	1,566		17.3%	0	1,735	1,735	
18.5%	0	1,433	1,433		18.5%	0	1,388	1,388		18.5%	0	1,542	1,542		18.5%	0	1,721	1,721	
19.8%	0	1,429	1,429		19.8%	0	1,384	1,384		19.8%	0	1,530	1,530		19.8%	0	1,713	1,713	
21.0%	0	1,429	1,429		21.0%	0	1,376	1,376		21.0%	0	1,470	1,470		21.0%	0	1,712	1,712	
22.2%	0	1,381	1,381		22.2%	0	1,368	1,368		22.2%	0	1,466	1,466		22.2%	0	1,696	1,696	
23.5%	0	1,377	1,377		23.5%	0	1,351	1,351		23.5%	0	1,465	1,465		23.5%	0	1,696	1,696	
24.7%	0	1,375	1,375		24.7%	0	1,346	1,346		24.7%	0	1,455	1,455		24.7%	0	1,685	1,685	
25.9%	0	1,347	1,347		25.9%	0	1,341	1,341		25.9%	0	1,451	1,451		25.9%	0	1,680	1,680	
27.2%	0	1,343	1,343		27.2%	0	1,328	1,328		27.2%	0	1,431	1,431		27.2%	0	1,635	1,635	
28.4%	0	1,339	1,339		28.4%	0	1,256	1,256		28.4%	0	1,414	1,414		28.4%	0	1,632	1,632	
29.6%	0	1,304	1,304		29.6%	0	1,249	1,249		29.6%	0	1,405	1,405		29.6%	0	1,626	1,626	
30.9%	0	1,293	1,293		30.9%	0	1,218	1,218		30.9%	0	1,401	1,401		30.9%	0	1,602	1,602	
32.1%	0	1,274	1,274		32.1%	0	1,214	1,214		32.1%	0	1,385	1,385		32.1%	0	1,582	1,582	
33.3%	0	1,270	1,270		33.3%	0	1,209	1,209		33.3%	0	1,356	1,356		33.3%	0	1,575	1,575	
34.6%	0	1,263	1,263		34.6%	0	1,208	1,208		34.6%	0	1,346	1,346		34.6%	0	1,566	1,566	
35.8%	0	1,255	1,255		35.8%	0	1,206	1,206		35.8%	0	1,346	1,346		35.8%	0	1,512	1,512	
37.0%	0	1,251	1,251		37.0%	0	1,198	1,198		37.0%	0	1,326	1,326		37.0%	0	1,503	1,503	
38.3%	0	1,237	1,237		38.3%	0	1,183	1,183		38.3%	0	1,308	1,308		38.3%	0	1,493	1,493	
39.5%	0	1,223	1,223		39.5%	0	1,182	1,182		39.5%	0	1,270	1,270		39.5%	0	1,461	1,461	
40.7%	0	1,216	1,216		40.7%	0	1,174	1,174		40.7%	0	1,261	1,261		40.7%	0	1,434	1,434	
42.0%	0	1,211	1,211		42.0%	0	1,168	1,168		42.0%	0	1,259	1,259		42.0%	0	1,417	1,417	
43.2%	0	1,199	1,199		43.2%	0	1,165	1,165		43.2%	0	1,256	1,256		43.2%	0	1,411	1,411	
44.4%	0	1,196	1,196		44.4%	0	1,136	1,136		44.4%	0	1,255	1,255		44.4%	0	1,405	1,405	
45.7%	0	1,174	1,174		45.7%	0	1,123	1,123		45.7%	0	1,223	1,223		45.7%	0	1,401	1,401	
46.9%	0	1,173	1,173		46.9%	0	1,118	1,118		46.9%	0	1,202	1,202		46.9%	0	1,399	1,399	
48.1%	0	1,145	1,145		48.1%	0	1,087	1,087		48.1%	0	1,187	1,187		48.1%	0	1,387	1,387	
49.4%	0	1,126	1,126		49.4%	0	1,086	1,086		49.4%	0	1,182	1,182		49.4%	0	1,369	1,369	
50.6%	0	1,126	1,126		50.6%	0	1,079	1,079		50.6%	0	1,179	1,179		50.6%	0	1,356	1,356	
51.9%	0	1,121	1,121		51.9%	0	1,074	1,074		51.9%	0	1,179	1,179		51.9%	0	1,349	1,349	
53.1%	0	1,116	1,116		53.1%	0	1,069	1,069		53.1%	0	1,140	1,140		53.1%	0	1,321	1,321	
54.3%	0	1,108	1,108		54.3%	0	1,067	1,067		54.3%	0	1,128	1,128		54.3%	0	1,308	1,308	
55.6%	0	1,099	1,099		55.6%	0	1,064	1,064		55.6%	0	1,091	1,091		55.6%	0	1,301	1,301	
56.8%	0	1,096	1,096		56.8%	0	1,058	1,058		56.8%	0	1,083	1,083		56.8%	0	1,282	1,282	
58.0%	0	1,072	1,072		58.0%	0	1,039	1,039		58.0%	0	1,078	1,078		58.0%	0	1,223	1,223	
59.3%	0	1,065	1,065		59.3%	0	1,026	1,026		59.3%	0	1,074	1,074		59.3%	0	1,202	1,202	
60.5%	0	1,062	1,062		60.5%	0	1,016	1,016		60.5%	0	1,071	1,071		60.5%	0	1,174	1,174	
61.7%	0	1,044	1,044		61.7%	0	1,014	1,014		61.7%	0	1,068	1,068		61.7%	0	1,154	1,154	
63.0%	0	1,026	1,026		63.0%	0	1,003	1,003		63.0%	0	1,042	1,042		63.0%	0	1,108	1,108	
64.2%	0	1,021	1,021		64.2%	0	980	980		64.2%	0	1,030	1,030		64.2%	0	1,105	1,105	
65.4%	0	978	978		65.4%	0	975	975		65.4%	0	1,018	1,018		65.4%	0	1,096	1,096	
66.7%	0	970	970		66.7%	0	948	948		66.7%	0	985	985		66.7%	0	1,091	1,091	
67.9%	0	946	946		67.9%	0	934	934		67.9%	0	952	952		67.9%	0	1,083	1,083	
69.1%	0	941	941		69.1%	0	931	931		69.1%	0	947	947		69.1%	0	1,083	1,083	
70.4%	0	927	927		70.4%	0	911	911		70.4%	0	936	936		70.4%	0	1,035	1,035	
71.6%	0	909	909		71.6%	0	868	868		71.6%	0	861	861		71.6%	0	1,027	1,027	
72.8%	0	898	898		72.8%	0	854	854		72.8%	0	858	858		72.8%	0	985	985	
74.1%	0	836	836		74.1%	0	806	806		74.1%	0	840	840		74.1%	0	947	947	
75.3%	0	727	727		75.3%	0	674	674		75.3%	0	810	810		75.3%	0	872	872	
76.5%	0	697	697		76.5%	0	654	654		76.5%	0	788	788		76.5%	0	857	857	
77.8%	0	649	649		77.8%	0	551	551		77.8%	0	678	678		77.8%	0	840	840	
79.0%	0	622	622		79.0%	0	534	534		79.0%	0	633	633		79.0%	0	734	734	
80.2%	0	586	586		80.2%	0	488	488		80.2%	0	626	626		80.2%	0	708	708	
81.5%	0	559	559		81.5%	0	472	472		81.5%	0	505	505		81.5%	0	633	633	
82.7%	0	500	500		82.7%	0	460	460		82.7%	0	463	463		82.7%	0	626	626	
84.0%	0	346	346		84.0%	0	457	457		84.0%	0	400	400		84.0%	0	530	530	
85.2%	0	262	262		85.2%	0	346	346		85.2%	0	358	358		85.2%	0	491	491	
86.4%	0	246	246		86.4%	0	263	263		86.4%	0	346	346		86.4%	0	473	473	
87.7%	0	245	245		87.7%	0	246	246		87.7%	0	266	266		87.7%	0	433	433	
88.9%	0	229	229		88.9%	0	245	245		88.9%	0	260	260		88.9%	0	428	428	
90.1%	0	220	220		90.1%	0	220	220		90.1%	0	245	245		90.1%	0	401	401	
91.4%	0	169	169		91.4%	0	168	168		91.4%	0	244	244		91.4%	0	367	367	
92.6%	0	168	168		92.6%	0	168	168		92.6%	0	220	220		92.6%	0	347	347	
93.8%	0	131	131		93.8%	0	131	131		93.8%	0	198	198		93.8%	0	318	318	
95.1%	0	122	122		95.1%	0	122	122		95.1%	0	175	175		95.1%	0	260	260	
96.3%	0	110	110		96.3%	0	122	122		96.3%	0	168	168		96.3%	0	245	245	
97.5%	0	87	87		97.5%	0	110	110		97.5%	0	131	131		97.5%	0	177	177	
98.8%	0	81	81		98.8%	0	82	82		98.8%	0	124	124		98.8%	0	131	131	
100.0%	0	73	73		100.0%	0	73	73		100.0%	0	124	124		100.0%	0	124	124	

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Sites Reservoir, End of Month Storage

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
1.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
2.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
3.7%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
4.9%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
6.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
7.4%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
8.6%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
9.9%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
11.1%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
12.3%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
13.6%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,810	1,810	
14.8%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,806	1,806	
16.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
17.3%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
18.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
19.8%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
21.0%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
22.2%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
23.5%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
24.7%	0	1,810	1,810		0	1,810	1,810		0	1,810	1,810		0	1,804	1,804	
25.9%	0	1,809	1,809		0	1,810	1,810		0	1,809	1,809		0	1,804	1,804	
27.2%	0	1,807	1,807		0	1,810	1,810		0	1,807	1,807		0	1,803	1,803	
28.4%	0	1,806	1,806		0	1,810	1,810		0	1,807	1,807		0	1,801	1,801	
29.6%	0	1,801	1,801		0	1,810	1,810		0	1,807	1,807		0	1,801	1,801	
30.9%	0	1,791	1,791		0	1,810	1,810		0	1,807	1,807		0	1,792	1,792	
32.1%	0	1,786	1,786		0	1,810	1,810		0	1,806	1,806		0	1,788	1,788	
33.3%	0	1,755	1,755		0	1,810	1,810		0	1,806	1,806		0	1,784	1,784	
34.6%	0	1,736	1,736		0	1,810	1,810		0	1,804	1,804		0	1,777	1,777	
35.8%	0	1,705	1,705		0	1,809	1,809		0	1,803	1,803		0	1,774	1,774	
37.0%	0	1,669	1,669		0	1,809	1,809		0	1,803	1,803		0	1,772	1,772	
38.3%	0	1,659	1,659		0	1,807	1,807		0	1,803	1,803		0	1,768	1,768	
39.5%	0	1,651	1,651		0	1,806	1,806		0	1,798	1,798		0	1,767	1,767	
40.7%	0	1,646	1,646		0	1,803	1,803		0	1,797	1,797		0	1,766	1,766	
42.0%	0	1,636	1,636		0	1,794	1,794		0	1,794	1,794		0	1,764	1,764	
43.2%	0	1,604	1,604		0	1,785	1,785		0	1,791	1,791		0	1,764	1,764	
44.4%	0	1,595	1,595		0	1,778	1,778		0	1,788	1,788		0	1,763	1,763	
45.7%	0	1,567	1,567		0	1,740	1,740		0	1,775	1,775		0	1,758	1,758	
46.9%	0	1,566	1,566		0	1,731	1,731		0	1,775	1,775		0	1,753	1,753	
48.1%	0	1,535	1,535		0	1,730	1,730		0	1,773	1,773		0	1,747	1,747	
49.4%	0	1,480	1,480		0	1,727	1,727		0	1,768	1,768		0	1,742	1,742	
50.6%	0	1,475	1,475		0	1,724	1,724		0	1,732	1,732		0	1,719	1,719	
51.9%	0	1,472	1,472		0	1,644	1,644		0	1,713	1,713		0	1,717	1,717	
53.1%	0	1,429	1,429		0	1,636	1,636		0	1,705	1,705		0	1,682	1,682	
54.3%	0	1,401	1,401		0	1,632	1,632		0	1,702	1,702		0	1,670	1,670	
55.6%	0	1,400	1,400		0	1,631	1,631		0	1,625	1,625		0	1,630	1,630	
56.8%	0	1,394	1,394		0	1,604	1,604		0	1,623	1,623		0	1,609	1,609	
58.0%	0	1,387	1,387		0	1,572	1,572		0	1,583	1,583		0	1,594	1,594	
59.3%	0	1,371	1,371		0	1,551	1,551		0	1,525	1,525		0	1,548	1,548	
60.5%	0	1,358	1,358		0	1,538	1,538		0	1,514	1,514		0	1,508	1,508	
61.7%	0	1,356	1,356		0	1,537	1,537		0	1,491	1,491		0	1,496	1,496	
63.0%	0	1,353	1,353		0	1,506	1,506		0	1,491	1,491		0	1,464	1,464	
64.2%	0	1,343	1,343		0	1,478	1,478		0	1,480	1,480		0	1,457	1,457	
65.4%	0	1,317	1,317		0	1,474	1,474		0	1,468	1,468		0	1,436	1,436	
66.7%	0	1,270	1,270		0	1,450	1,450		0	1,454	1,454		0	1,424	1,424	
67.9%	0	1,260	1,260		0	1,448	1,448		0	1,450	1,450		0	1,423	1,423	
69.1%	0	1,234	1,234		0	1,398	1,398		0	1,441	1,441		0	1,411	1,411	
70.4%	0	1,218	1,218		0	1,387	1,387		0	1,437	1,437		0	1,395	1,395	
71.6%	0	1,201	1,201		0	1,370	1,370		0	1,365	1,365		0	1,388	1,388	
72.8%	0	1,105	1,105		0	1,311	1,311		0	1,350	1,350		0	1,371	1,371	
74.1%	0	1,073	1,073		0	1,310	1,310		0	1,349	1,349		0	1,341	1,341	
75.3%	0	1,072	1,072		0	1,293	1,293		0	1,271	1,271		0	1,313	1,313	
76.5%	0	986	986		0	1,181	1,181		0	1,230	1,230		0	1,288	1,288	
77.8%	0	933	933		0	1,121	1,121		0	1,206	1,206		0	1,201	1,201	
79.0%	0	858	858		0	1,085	1,085		0	1,201	1,201		0	1,165	1,165	
80.2%	0	843	843		0	1,014	1,014		0	1,175	1,175		0	1,127	1,127	
81.5%	0	839	839		0	1,011	1,011		0	1,061	1,061		0	1,083	1,083	
82.7%	0	839	839		0	1,000	1,000		0	954	954		0	928	928	
84.0%	0	755	755		0	934	934		0	942	942		0	863	863	
85.2%	0	725	725		0	913	913		0	840	840		0	807	807	
86.4%	0	667	667		0	771	771		0	837	837		0	661	661	
87.7%	0	600	600		0	638	638		0	703	703		0	660	660	
88.9%	0	575	575		0	586	586		0	693	693		0	613	613	
90.1%	0	485	485		0	575	575		0	623	623		0	585	585	
91.4%	0	475	475		0	574	574		0	586	586		0	454	454	
92.6%	0	387	387		0	546	546		0	553	553		0	439	439	
93.8%	0	367	367		0	525	525		0	503	503		0	415	415	
95.1%	0	345	345		0	484	484		0	456	456		0	350	350	
96.3%	0	310	310		0	443	443		0	358	358		0	335	335	
97.5%	0	244	244		0	382	382		0	326	326		0	240	240	
98.8%	0	177	177		0	359	359		0	249	249		0	219	219	
100.0%	0	124	124		0	301	301		0	246	246		0	189	189	

Table OP-09-9b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810		0.0%	0	1,810	1,810	
1.2%	0	1,809	1,809		1.2%	0	1,799	1,799		1.2%	0	1,804	1,804		1.2%	0	1,810	1,810	
2.5%	0	1,773	1,773		2.5%	0	1,777	1,777		2.5%	0	1,788	1,788		2.5%	0	1,750	1,750	
3.7%	0	1,773	1,773		3.7%	0	1,768	1,768		3.7%	0	1,769	1,769		3.7%	0	1,746	1,746	
4.9%	0	1,773	1,773		4.9%	0	1,731	1,731		4.9%	0	1,769	1,769		4.9%	0	1,730	1,730	
6.2%	0	1,773	1,773		6.2%	0	1,731	1,731		6.2%	0	1,759	1,759		6.2%	0	1,697	1,697	
7.4%	0	1,773	1,773		7.4%	0	1,729	1,729		7.4%	0	1,756	1,756		7.4%	0	1,690	1,690	
8.6%	0	1,771	1,771		8.6%	0	1,729	1,729		8.6%	0	1,728	1,728		8.6%	0	1,630	1,630	
9.9%	0	1,771	1,771		9.9%	0	1,727	1,727		9.9%	0	1,721	1,721		9.9%	0	1,618	1,618	
11.1%	0	1,771	1,771		11.1%	0	1,723	1,723		11.1%	0	1,704	1,704		11.1%	0	1,596	1,596	
12.3%	0	1,767	1,767		12.3%	0	1,711	1,711		12.3%	0	1,690	1,690		12.3%	0	1,586	1,586	
13.6%	0	1,767	1,767		13.6%	0	1,709	1,709		13.6%	0	1,673	1,673		13.6%	0	1,549	1,549	
14.8%	0	1,767	1,767		14.8%	0	1,698	1,698		14.8%	0	1,668	1,668		14.8%	0	1,548	1,548	
16.0%	0	1,765	1,765		16.0%	0	1,687	1,687		16.0%	0	1,639	1,639		16.0%	0	1,518	1,518	
17.3%	0	1,765	1,765		17.3%	0	1,675	1,675		17.3%	0	1,638	1,638		17.3%	0	1,517	1,517	
18.5%	0	1,765	1,765		18.5%	0	1,657	1,657		18.5%	0	1,589	1,589		18.5%	0	1,467	1,467	
19.8%	0	1,765	1,765		19.8%	0	1,629	1,629		19.8%	0	1,585	1,585		19.8%	0	1,466	1,466	
21.0%	0	1,762	1,762		21.0%	0	1,620	1,620		21.0%	0	1,562	1,562		21.0%	0	1,464	1,464	
22.2%	0	1,762	1,762		22.2%	0	1,603	1,603		22.2%	0	1,523	1,523		22.2%	0	1,461	1,461	
23.5%	0	1,756	1,756		23.5%	0	1,567	1,567		23.5%	0	1,520	1,520		23.5%	0	1,411	1,411	
24.7%	0	1,750	1,750		24.7%	0	1,560	1,560		24.7%	0	1,505	1,505		24.7%	0	1,408	1,408	
25.9%	0	1,744	1,744		25.9%	0	1,548	1,548		25.9%	0	1,503	1,503		25.9%	0	1,400	1,400	
27.2%	0	1,737	1,737		27.2%	0	1,545	1,545		27.2%	0	1,502	1,502		27.2%	0	1,396	1,396	
28.4%	0	1,729	1,729		28.4%	0	1,543	1,543		28.4%	0	1,498	1,498		28.4%	0	1,387	1,387	
29.6%	0	1,728	1,728		29.6%	0	1,542	1,542		29.6%	0	1,490	1,490		29.6%	0	1,382	1,382	
30.9%	0	1,716	1,716		30.9%	0	1,538	1,538		30.9%	0	1,448	1,448		30.9%	0	1,378	1,378	
32.1%	0	1,686	1,686		32.1%	0	1,533	1,533		32.1%	0	1,447	1,447		32.1%	0	1,376	1,376	
33.3%	0	1,684	1,684		33.3%	0	1,526	1,526		33.3%	0	1,425	1,425		33.3%	0	1,372	1,372	
34.6%	0	1,683	1,683		34.6%	0	1,505	1,505		34.6%	0	1,422	1,422		34.6%	0	1,344	1,344	
35.8%	0	1,663	1,663		35.8%	0	1,498	1,498		35.8%	0	1,412	1,412		35.8%	0	1,317	1,317	
37.0%	0	1,646	1,646		37.0%	0	1,491	1,491		37.0%	0	1,406	1,406		37.0%	0	1,300	1,300	
38.3%	0	1,638	1,638		38.3%	0	1,474	1,474		38.3%	0	1,405	1,405		38.3%	0	1,291	1,291	
39.5%	0	1,634	1,634		39.5%	0	1,464	1,464		39.5%	0	1,394	1,394		39.5%	0	1,284	1,284	
40.7%	0	1,632	1,632		40.7%	0	1,463	1,463		40.7%	0	1,371	1,371		40.7%	0	1,271	1,271	
42.0%	0	1,618	1,618		42.0%	0	1,427	1,427		42.0%	0	1,367	1,367		42.0%	0	1,269	1,269	
43.2%	0	1,615	1,615		43.2%	0	1,427	1,427		43.2%	0	1,313	1,313		43.2%	0	1,254	1,254	
44.4%	0	1,611	1,611		44.4%	0	1,424	1,424		44.4%	0	1,308	1,308		44.4%	0	1,248	1,248	
45.7%	0	1,605	1,605		45.7%	0	1,423	1,423		45.7%	0	1,302	1,302		45.7%	0	1,239	1,239	
46.9%	0	1,587	1,587		46.9%	0	1,420	1,420		46.9%	0	1,299	1,299		46.9%	0	1,233	1,233	
48.1%	0	1,582	1,582		48.1%	0	1,418	1,418		48.1%	0	1,293	1,293		48.1%	0	1,231	1,231	
49.4%	0	1,566	1,566		49.4%	0	1,416	1,416		49.4%	0	1,279	1,279		49.4%	0	1,213	1,213	
50.6%	0	1,564	1,564		50.6%	0	1,405	1,405		50.6%	0	1,276	1,276		50.6%	0	1,210	1,210	
51.9%	0	1,554	1,554		51.9%	0	1,403	1,403		51.9%	0	1,271	1,271		51.9%	0	1,208	1,208	
53.1%	0	1,523	1,523		53.1%	0	1,403	1,403		53.1%	0	1,259	1,259		53.1%	0	1,197	1,197	
54.3%	0	1,513	1,513		54.3%	0	1,356	1,356		54.3%	0	1,251	1,251		54.3%	0	1,195	1,195	
55.6%	0	1,513	1,513		55.6%	0	1,340	1,340		55.6%	0	1,247	1,247		55.6%	0	1,159	1,159	
56.8%	0	1,483	1,483		56.8%	0	1,315	1,315		56.8%	0	1,240	1,240		56.8%	0	1,150	1,150	
58.0%	0	1,478	1,478		58.0%	0	1,315	1,315		58.0%	0	1,233	1,233		58.0%	0	1,132	1,132	
59.3%	0	1,468	1,468		59.3%	0	1,305	1,305		59.3%	0	1,196	1,196		59.3%	0	1,105	1,105	
60.5%	0	1,455	1,455		60.5%	0	1,299	1,299		60.5%	0	1,170	1,170		60.5%	0	1,099	1,099	
61.7%	0	1,411	1,411		61.7%	0	1,297	1,297		61.7%	0	1,152	1,152		61.7%	0	1,085	1,085	
63.0%	0	1,396	1,396		63.0%	0	1,296	1,296		63.0%	0	1,144	1,144		63.0%	0	1,079	1,079	
64.2%	0	1,390	1,390		64.2%	0	1,273	1,273		64.2%	0	1,126	1,126		64.2%	0	1,055	1,055	
65.4%	0	1,378	1,378		65.4%	0	1,268	1,268		65.4%	0	1,119	1,119		65.4%	0	1,037	1,037	
66.7%	0	1,377	1,377		66.7%	0	1,259	1,259		66.7%	0	1,108	1,108		66.7%	0	1,034	1,034	
67.9%	0	1,370	1,370		67.9%	0	1,240	1,240		67.9%	0	1,106	1,106		67.9%	0	1,018	1,018	
69.1%	0	1,363	1,363		69.1%	0	1,237	1,237		69.1%	0	1,083	1,083		69.1%	0	1,010	1,010	
70.4%	0	1,356	1,356		70.4%	0	1,164	1,164		70.4%	0	1,071	1,071		70.4%	0	980	980	
71.6%	0	1,238	1,238		71.6%	0	1,091	1,091		71.6%	0	992	992		71.6%	0	944	944	
72.8%	0	1,226	1,226		72.8%	0	1,066	1,066		72.8%	0	970	970		72.8%	0	928	928	
74.1%	0	1,221	1,221		74.1%	0	1,059	1,059		74.1%	0	968	968		74.1%	0	868	868	
75.3%	0	1,206	1,206		75.3%	0	1,026	1,026		75.3%	0	933	933		75.3%	0	826	826	
76.5%	0	1,143	1,143		76.5%	0	1,021	1,021		76.5%	0	890	890		76.5%	0	770	770	
77.8%	0	1,135	1,135		77.8%	0	1,011	1,011		77.8%	0	824	824		77.8%	0	734	734	
79.0%	0	1,083	1,083		79.0%	0	936	936		79.0%	0	816	816		79.0%	0	717	717	
80.2%	0	1,076	1,076		80.2%	0	868	868		80.2%	0	782	782		80.2%	0	707	707	
81.5%	0	971	971		81.5%	0	849	849		81.5%	0	732	732		81.5%	0	657	657	
82.7%	0	923	923		82.7%	0	791	791		82.7%	0	686	686		82.7%	0	595	595	
84.0%	0	689	689		84.0%	0	550	550		84.0%	0	419	419		84.0%	0	358	358	
85.2%	0	669	669		85.2%	0	454	454		85.2%	0	357	357		85.2%	0	313	313	
86.4%	0	546	546		86.4%	0	423	423		86.4%	0	318	318		86.4%	0	266	266	
87.7%	0	504	504		87.7%	0	369	369		87.7%	0	261	261		87.7%	0	246	246	
88.9%	0	456	456		88.9%	0	316	316		88.9%	0	240	240		88.9%	0	233	233	
90.1%	0	444	444		90.1%	0	301	301		90.1%	0	223	223		90.1%	0	232	232	
91.4%	0	325	325		91.4%	0	225	225		91.4%	0	190	190		91.4%	0	175	175	
92.6%	0	311	311		92.6%	0	223	223		92.6%	0	185	185		92.6%	0	169	169	
93.8%	0	298	298		93.8%	0	204	204		93.8%	0	173	173		93.8%	0	143	143	
95.1%	0	261	261		95.1%	0	172	172		95.1%	0	147	147		95.1%	0	136	136	
96.3%	0	240	240		96.3%	0	126	126		96.3%	0	112	112		96.3%	0	110	110	
97.5%	0	160	160		97.5%	0	123	123		97.5%	0	102	102		97.5%	0	87	87	
98.8%	0	122	122		98.8%	0	114	114		98.8%	0	89	89		98.8%	0	86	86	
100.0%	0	105	105		100.0%	0	90	90		100.0%	0	88	88		100.0%	0	77	77	

Table OP-10-9a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	452	450	458	470	481	491	492	489	481	470	463	457
Difference	452	450	458	470	481	491	492	489	481	470	463	457
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	494	489	499	503	512	517	519	519	515	508	506	499
Difference	494	489	499	503	512	517	519	519	515	508	506	499
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	478	474	484	475	491	505	509	510	506	495	488	483
Difference	478	474	484	475	491	505	509	510	506	495	488	483
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	457	457	464	466	476	490	494	492	486	474	466	460
Difference	457	457	464	466	476	490	494	492	486	474	466	460
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	429	427	432	460	472	485	485	481	468	453	441	434
Difference	429	427	432	460	472	485	485	481	468	453	441	434
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	365	365	375	417	425	432	423	414	397	384	375	370
Difference	365	365	375	417	425	432	423	414	397	384	375	370
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

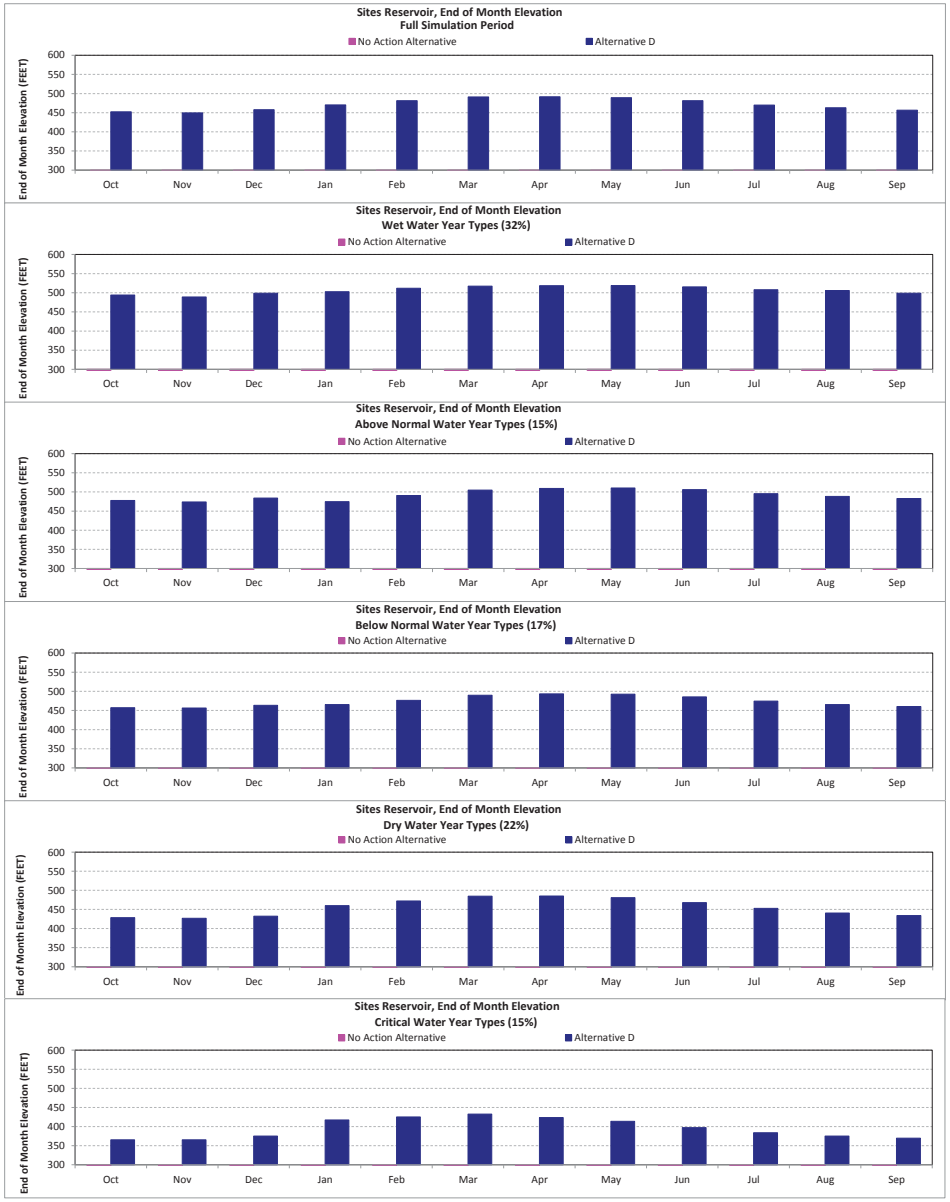

Figure OP-10-9b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

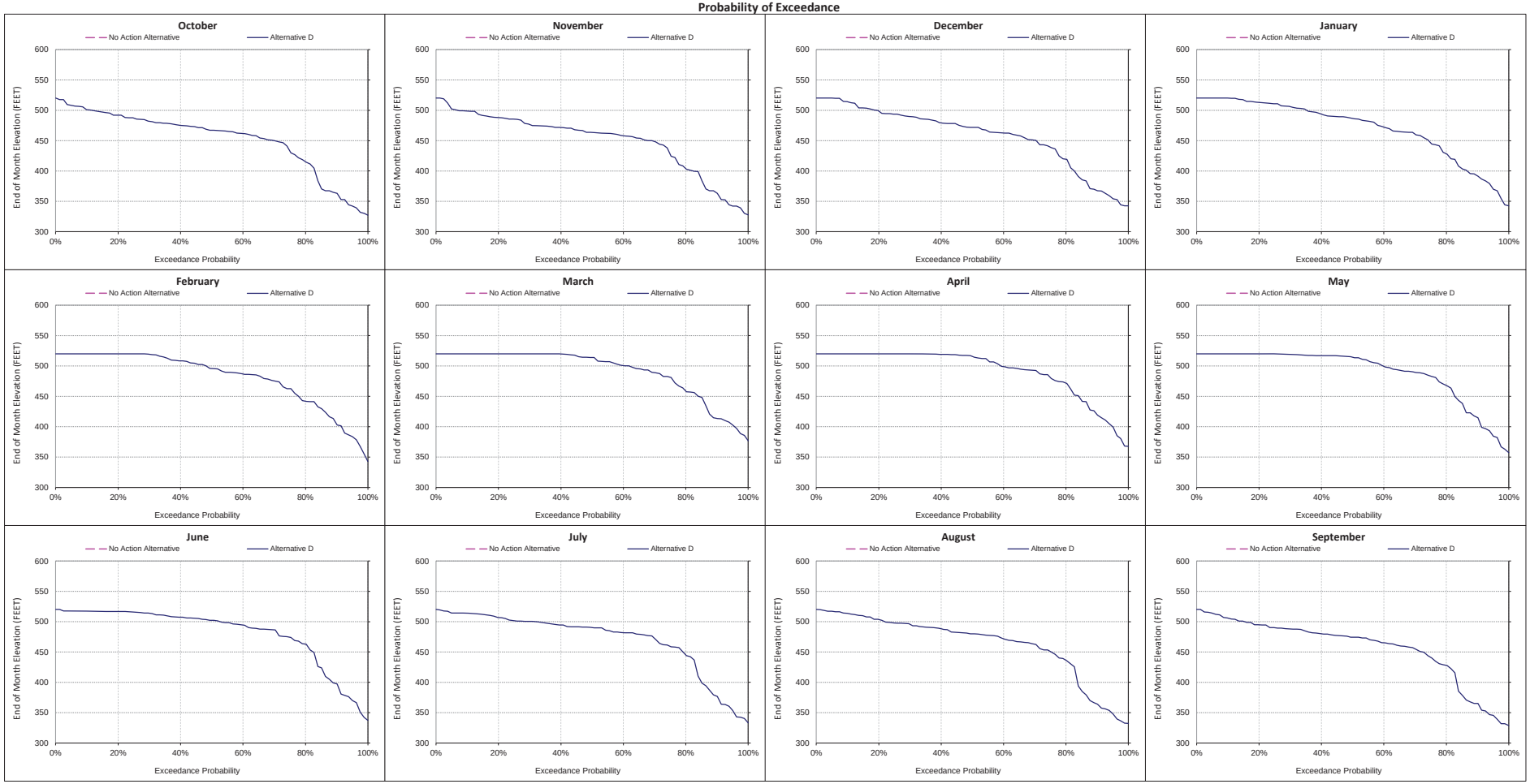

Table OP-10-9b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	October				November				December				January			
	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	518	518		0	520	520		0	520	520		0	520	520	
2.5%	0	518	518		0	519	519		0	520	520		0	520	520	
3.7%	0	510	510		0	512	512		0	520	520		0	520	520	
4.9%	0	508	508		0	502	502		0	520	520		0	520	520	
6.2%	0	507	507		0	501	501		0	520	520		0	520	520	
7.4%	0	507	507		0	499	499		0	520	520		0	520	520	
8.6%	0	506	506		0	499	499		0	515	515		0	520	520	
9.9%	0	501	501		0	499	499		0	514	514		0	520	520	
11.1%	0	501	501		0	498	498		0	513	513		0	520	520	
12.3%	0	499	499		0	498	498		0	512	512		0	520	520	
13.6%	0	498	498		0	493	493		0	504	504		0	518	518	
14.8%	0	497	497		0	492	492		0	504	504		0	518	518	
16.0%	0	496	496		0	491	491		0	504	504		0	515	515	
17.3%	0	495	495		0	489	489		0	502	502		0	515	515	
18.5%	0	492	492		0	489	489		0	501	501		0	514	514	
19.8%	0	492	492		0	488	488		0	500	500		0	513	513	
21.0%	0	492	492		0	488	488		0	495	495		0	513	513	
22.2%	0	488	488		0	487	487		0	495	495		0	512	512	
23.5%	0	488	488		0	486	486		0	495	495		0	512	512	
24.7%	0	488	488		0	485	485		0	494	494		0	511	511	
25.9%	0	485	485		0	485	485		0	494	494		0	511	511	
27.2%	0	485	485		0	484	484		0	492	492		0	507	507	
28.4%	0	485	485		0	478	478		0	491	491		0	507	507	
29.6%	0	482	482		0	478	478		0	490	490		0	507	507	
30.9%	0	481	481		0	475	475		0	490	490		0	505	505	
32.1%	0	480	480		0	475	475		0	488	488		0	504	504	
33.3%	0	479	479		0	474	474		0	486	486		0	503	503	
34.6%	0	479	479		0	474	474		0	485	485		0	502	502	
35.8%	0	478	478		0	474	474		0	485	485		0	498	498	
37.0%	0	478	478		0	473	473		0	484	484		0	498	498	
38.3%	0	477	477		0	472	472		0	482	482		0	497	497	
39.5%	0	475	475		0	472	472		0	479	479		0	494	494	
40.7%	0	475	475		0	471	471		0	479	479		0	492	492	
42.0%	0	474	474		0	471	471		0	478	478		0	491	491	
43.2%	0	473	473		0	471	471		0	478	478		0	490	490	
44.4%	0	473	473		0	468	468		0	478	478		0	490	490	
45.7%	0	471	471		0	467	467		0	475	475		0	490	490	
46.9%	0	471	471		0	467	467		0	474	474		0	489	489	
48.1%	0	469	469		0	464	464		0	472	472		0	489	489	
49.4%	0	467	467		0	464	464		0	472	472		0	487	487	
50.6%	0	467	467		0	463	463		0	472	472		0	486	486	
51.9%	0	467	467		0	463	463		0	472	472		0	486	486	
53.1%	0	466	466		0	462	462		0	468	468		0	483	483	
54.3%	0	466	466		0	462	462		0	467	467		0	482	482	
55.6%	0	465	465		0	462	462		0	464	464		0	482	482	
56.8%	0	465	465		0	461	461		0	464	464		0	480	480	
58.0%	0	463	463		0	460	460		0	463	463		0	475	475	
59.3%	0	462	462		0	459	459		0	463	463		0	474	474	
60.5%	0	462	462		0	458	458		0	463	463		0	471	471	
61.7%	0	460	460		0	458	458		0	462	462		0	470	470	
63.0%	0	459	459		0	457	457		0	460	460		0	466	466	
64.2%	0	458	458		0	454	454		0	459	459		0	465	465	
65.4%	0	454	454		0	454	454		0	458	458		0	465	465	
66.7%	0	453	453		0	451	451		0	455	455		0	464	464	
67.9%	0	451	451		0	450	450		0	452	452		0	464	464	
69.1%	0	451	451		0	450	450		0	451	451		0	464	464	
70.4%	0	450	450		0	448	448		0	450	450		0	460	460	
71.6%	0	448	448		0	444	444		0	443	443		0	459	459	
72.8%	0	447	447		0	443	443		0	443	443		0	455	455	
74.1%	0	441	441		0	438	438		0	441	441		0	451	451	
75.3%	0	430	430		0	424	424		0	439	439		0	444	444	
76.5%	0	427	427		0	422	422		0	436	436		0	443	443	
77.8%	0	422	422		0	410	410		0	425	425		0	441	441	
79.0%	0	419	419		0	408	408		0	420	420		0	431	431	
80.2%	0	415	415		0	403	403		0	419	419		0	428	428	
81.5%	0	411	411		0	401	401		0	405	405		0	420	420	
82.7%	0	405	405		0	400	400		0	400	400		0	419	419	
84.0%	0	384	384		0	399	399		0	391	391		0	408	408	
85.2%	0	370	370		0	384	384		0	385	385		0	403	403	
86.4%	0	368	368		0	370	370		0	384	384		0	401	401	
87.7%	0	367	367		0	368	368		0	371	371		0	396	396	
88.9%	0	365	365		0	367	367		0	370	370		0	395	395	
90.1%	0	363	363		0	363	363		0	367	367		0	391	391	
91.4%	0	353	353		0	353	353		0	367	367		0	386	386	
92.6%	0	353	353		0	353	353		0	363	363		0	384	384	
93.8%	0	344	344		0	344	344		0	359	359		0	379	379	
95.1%	0	342	342		0	342	342		0	354	354		0	370	370	
96.3%	0	339	339		0	342	342		0	353	353		0	367	367	
97.5%	0	332	332		0	339	339		0	344	344		0	355	355	
98.8%	0	330	330		0	330	330		0	343	343		0	344	344	
100.0%	0	327	327		0	327	327		0	343	343		0	343	343	

Table OP-10-9b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative D	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	0	520	520		0	520	520		0	520	520		0	520	520	
1.2%	0	520	520		0	520	520		0	520	520		0	520	520	
2.5%	0	520	520		0	520	520		0	520	520		0	520	520	
3.7%	0	520	520		0	520	520		0	520	520		0	520	520	
4.9%	0	520	520		0	520	520		0	520	520		0	520	520	
6.2%	0	520	520		0	520	520		0	520	520		0	520	520	
7.4%	0	520	520		0	520	520		0	520	520		0	520	520	
8.6%	0	520	520		0	520	520		0	520	520		0	520	520	
9.9%	0	520	520		0	520	520		0	520	520		0	520	520	
11.1%	0	520	520		0	520	520		0	520	520		0	520	520	
12.3%	0	520	520		0	520	520		0	520	520		0	520	520	
13.6%	0	520	520		0	520	520		0	520	520		0	520	520	
14.8%	0	520	520		0	520	520		0	520	520		0	520	520	
16.0%	0	520	520		0	520	520		0	520	520		0	520	520	
17.3%	0	520	520		0	520	520		0	520	520		0	520	520	
18.5%	0	520	520		0	520	520		0	520	520		0	520	520	
19.8%	0	520	520		0	520	520		0	520	520		0	520	520	
21.0%	0	520	520		0	520	520		0	520	520		0	520	520	
22.2%	0	520	520		0	520	520		0	520	520		0	520	520	
23.5%	0	520	520		0	520	520		0	520	520		0	520	520	
24.7%	0	520	520		0	520	520		0	520	520		0	520	520	
25.9%	0	520	520		0	520	520		0	520	520		0	520	520	
27.2%	0	520	520		0	520	520		0	520	520		0	520	520	
28.4%	0	520	520		0	520	520		0	520	520		0	520	520	
29.6%	0	520	520		0	520	520		0	520	520		0	520	520	
30.9%	0	519	519		0	520	520		0	520	520		0	519	519	
32.1%	0	518	518		0	520	520		0	520	520		0	519	519	
33.3%	0	516	516		0	520	520		0	520	520		0	518	518	
34.6%	0	515	515		0	520	520		0	520	520		0	518	518	
35.8%	0	513	513		0	520	520		0	520	520		0	518	518	
37.0%	0	510	510		0	520	520		0	520	520		0	517	517	
38.3%	0	509	509		0	520	520		0	520	520		0	517	517	
39.5%	0	509	509		0	520	520		0	519	519		0	517	517	
40.7%	0	508	508		0	520	520		0	519	519		0	517	517	
42.0%	0	507	507		0	519	519		0	519	519		0	517	517	
43.2%	0	505	505		0	518	518		0	519	519		0	517	517	
44.4%	0	504	504		0	518	518		0	519	519		0	517	517	
45.7%	0	502	502		0	515	515		0	518	518		0	516	516	
46.9%	0	502	502		0	514	514		0	518	518		0	516	516	
48.1%	0	500	500		0	514	514		0	517	517		0	516	516	
49.4%	0	496	496		0	514	514		0	517	517		0	515	515	
50.6%	0	495	495		0	514	514		0	515	515		0	514	514	
51.9%	0	495	495		0	508	508		0	513	513		0	513	513	
53.1%	0	492	492		0	507	507		0	512	512		0	511	511	
54.3%	0	490	490		0	507	507		0	512	512		0	510	510	
55.6%	0	490	490		0	507	507		0	507	507		0	507	507	
56.8%	0	489	489		0	505	505		0	507	507		0	505	505	
58.0%	0	489	489		0	503	503		0	504	504		0	504	504	
59.3%	0	487	487		0	501	501		0	499	499		0	501	501	
60.5%	0	486	486		0	500	500		0	498	498		0	498	498	
61.7%	0	486	486		0	500	500		0	497	497		0	497	497	
63.0%	0	486	486		0	498	498		0	497	497		0	495	495	
64.2%	0	485	485		0	496	496		0	496	496		0	494	494	
65.4%	0	483	483		0	495	495		0	495	495		0	492	492	
66.7%	0	479	479		0	493	493		0	494	494		0	491	491	
67.9%	0	479	479		0	493	493		0	494	494		0	491	491	
69.1%	0	476	476		0	489	489		0	493	493		0	490	490	
70.4%	0	475	475		0	489	489		0	492	492		0	489	489	
71.6%	0	474	474		0	487	487		0	487	487		0	489	489	
72.8%	0	465	465		0	483	483		0	486	486		0	487	487	
74.1%	0	463	463		0	483	483		0	486	486		0	485	485	
75.3%	0	463	463		0	481	481		0	479	479		0	483	483	
76.5%	0	455	455		0	472	472		0	476	476		0	481	481	
77.8%	0	450	450		0	467	467		0	474	474		0	474	474	
79.0%	0	443	443		0	464	464		0	474	474		0	470	470	
80.2%	0	442	442		0	458	458		0	471	471		0	467	467	
81.5%	0	441	441		0	457	457		0	462	462		0	464	464	
82.7%	0	441	441		0	456	456		0	452	452		0	450	450	
84.0%	0	433	433		0	450	450		0	451	451		0	444	444	
85.2%	0	430	430		0	448	448		0	442	442		0	438	438	
86.4%	0	424	424		0	435	435		0	441	441		0	423	423	
87.7%	0	416	416		0	421	421		0	427	427		0	423	423	
88.9%	0	413	413		0	415	415		0	426	426		0	418	418	
90.1%	0	403	403		0	413	413		0	419	419		0	415	415	
91.4%	0	402	402		0	413	413		0	415	415		0	399	399	
92.6%	0	389	389		0	410	410		0	411	411		0	397	397	
93.8%	0	386	386		0	407	407		0	405	405		0	393	393	
95.1%	0	383	383		0	403	403		0	399	399		0	384	384	
96.3%	0	378	378		0	397	397		0	385	385		0	382	382	
97.5%	0	367	367		0	389	389		0	381	381		0	367	367	
98.8%	0	355	355		0	385	385		0	368	368		0	363	363	
100.0%	0	343	343		0	377	377		0	368	368		0	357	357	

Table OP-10-9b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520		0.0%	0	520	520		0.0%	0	520	520		0.0%	0	520	520	
1.2%	0	520	520		1.2%	0	519	519		1.2%	0	520	520		1.2%	0	520	520	
2.5%	0	517	517		2.5%	0	518	518		2.5%	0	519	519		2.5%	0	516	516	
3.7%	0	517	517		3.7%	0	517	517		3.7%	0	517	517		3.7%	0	516	516	
4.9%	0	517	517		4.9%	0	514	514		4.9%	0	517	517		4.9%	0	514	514	
6.2%	0	517	517		6.2%	0	514	514		6.2%	0	516	516		6.2%	0	512	512	
7.4%	0	517	517		7.4%	0	514	514		7.4%	0	516	516		7.4%	0	511	511	
8.6%	0	517	517		8.6%	0	514	514		8.6%	0	514	514		8.6%	0	507	507	
9.9%	0	517	517		9.9%	0	514	514		9.9%	0	514	514		9.9%	0	506	506	
11.1%	0	517	517		11.1%	0	514	514		11.1%	0	512	512		11.1%	0	505	505	
12.3%	0	517	517		12.3%	0	513	513		12.3%	0	511	511		12.3%	0	504	504	
13.6%	0	517	517		13.6%	0	513	513		13.6%	0	510	510		13.6%	0	501	501	
14.8%	0	517	517		14.8%	0	512	512		14.8%	0	510	510		14.8%	0	501	501	
16.0%	0	517	517		16.0%	0	511	511		16.0%	0	508	508		16.0%	0	499	499	
17.3%	0	517	517		17.3%	0	510	510		17.3%	0	508	508		17.3%	0	499	499	
18.5%	0	517	517		18.5%	0	509	509		18.5%	0	504	504		18.5%	0	495	495	
19.8%	0	517	517		19.8%	0	507	507		19.8%	0	504	504		19.8%	0	495	495	
21.0%	0	517	517		21.0%	0	506	506		21.0%	0	502	502		21.0%	0	495	495	
22.2%	0	517	517		22.2%	0	505	505		22.2%	0	499	499		22.2%	0	494	494	
23.5%	0	516	516		23.5%	0	502	502		23.5%	0	499	499		23.5%	0	490	490	
24.7%	0	516	516		24.7%	0	502	502		24.7%	0	498	498		24.7%	0	490	490	
25.9%	0	515	515		25.9%	0	501	501		25.9%	0	498	498		25.9%	0	490	490	
27.2%	0	515	515		27.2%	0	501	501		27.2%	0	498	498		27.2%	0	489	489	
28.4%	0	514	514		28.4%	0	501	501		28.4%	0	497	497		28.4%	0	489	489	
29.6%	0	514	514		29.6%	0	501	501		29.6%	0	497	497		29.6%	0	488	488	
30.9%	0	513	513		30.9%	0	500	500		30.9%	0	493	493		30.9%	0	488	488	
32.1%	0	511	511		32.1%	0	500	500		32.1%	0	493	493		32.1%	0	488	488	
33.3%	0	511	511		33.3%	0	499	499		33.3%	0	492	492		33.3%	0	487	487	
34.6%	0	511	511		34.6%	0	498	498		34.6%	0	491	491		34.6%	0	485	485	
35.8%	0	509	509		35.8%	0	497	497		35.8%	0	491	491		35.8%	0	483	483	
37.0%	0	508	508		37.0%	0	497	497		37.0%	0	490	490		37.0%	0	482	482	
38.3%	0	508	508		38.3%	0	495	495		38.3%	0	490	490		38.3%	0	481	481	
39.5%	0	507	507		39.5%	0	495	495		39.5%	0	489	489		39.5%	0	481	481	
40.7%	0	507	507		40.7%	0	495	495		40.7%	0	487	487		40.7%	0	479	479	
42.0%	0	506	506		42.0%	0	492	492		42.0%	0	487	487		42.0%	0	479	479	
43.2%	0	506	506		43.2%	0	492	492		43.2%	0	483	483		43.2%	0	478	478	
44.4%	0	506	506		44.4%	0	491	491		44.4%	0	482	482		44.4%	0	478	478	
45.7%	0	505	505		45.7%	0	491	491		45.7%	0	482	482		45.7%	0	477	477	
46.9%	0	504	504		46.9%	0	491	491		46.9%	0	482	482		46.9%	0	476	476	
48.1%	0	504	504		48.1%	0	491	491		48.1%	0	481	481		48.1%	0	476	476	
49.4%	0	502	502		49.4%	0	491	491		49.4%	0	480	480		49.4%	0	475	475	
50.6%	0	502	502		50.6%	0	490	490		50.6%	0	480	480		50.6%	0	474	474	
51.9%	0	501	501		51.9%	0	490	490		51.9%	0	479	479		51.9%	0	474	474	
53.1%	0	499	499		53.1%	0	490	490		53.1%	0	479	479		53.1%	0	473	473	
54.3%	0	498	498		54.3%	0	486	486		54.3%	0	478	478		54.3%	0	473	473	
55.6%	0	498	498		55.6%	0	485	485		55.6%	0	477	477		55.6%	0	470	470	
56.8%	0	496	496		56.8%	0	483	483		56.8%	0	477	477		56.8%	0	469	469	
58.0%	0	496	496		58.0%	0	483	483		58.0%	0	476	476		58.0%	0	468	468	
59.3%	0	495	495		59.3%	0	482	482		59.3%	0	473	473		59.3%	0	465	465	
60.5%	0	494	494		60.5%	0	482	482		60.5%	0	471	471		60.5%	0	465	465	
61.7%	0	490	490		61.7%	0	482	482		61.7%	0	469	469		61.7%	0	464	464	
63.0%	0	489	489		63.0%	0	482	482		63.0%	0	469	469		63.0%	0	463	463	
64.2%	0	489	489		64.2%	0	480	480		64.2%	0	467	467		64.2%	0	461	461	
65.4%	0	488	488		65.4%	0	479	479		65.4%	0	467	467		65.4%	0	460	460	
66.7%	0	488	488		66.7%	0	478	478		66.7%	0	466	466		66.7%	0	459	459	
67.9%	0	487	487		67.9%	0	477	477		67.9%	0	466	466		67.9%	0	458	458	
69.1%	0	487	487		69.1%	0	477	477		69.1%	0	464	464		69.1%	0	457	457	
70.4%	0	486	486		70.4%	0	470	470		70.4%	0	463	463		70.4%	0	454	454	
71.6%	0	477	477		71.6%	0	464	464		71.6%	0	456	456		71.6%	0	451	451	
72.8%	0	476	476		72.8%	0	462	462		72.8%	0	453	453		72.8%	0	450	450	
74.1%	0	475	475		74.1%	0	462	462		74.1%	0	453	453		74.1%	0	444	444	
75.3%	0	474	474		75.3%	0	459	459		75.3%	0	450	450		75.3%	0	440	440	
76.5%	0	469	469		76.5%	0	458	458		76.5%	0	446	446		76.5%	0	434	434	
77.8%	0	468	468		77.8%	0	457	457		77.8%	0	440	440		77.8%	0	431	431	
79.0%	0	464	464		79.0%	0	450	450		79.0%	0	439	439		79.0%	0	429	429	
80.2%	0	463	463		80.2%	0	444	444		80.2%	0	436	436		80.2%	0	428	428	
81.5%	0	454	454		81.5%	0	442	442		81.5%	0	430	430		81.5%	0	423	423	
82.7%	0	449	449		82.7%	0	437	437		82.7%	0	426	426		82.7%	0	416	416	
84.0%	0	426	426		84.0%	0	410	410		84.0%	0	394	394		84.0%	0	385	385	
85.2%	0	424	424		85.2%	0	399	399		85.2%	0	385	385		85.2%	0	379	379	
86.4%	0	410	410		86.4%	0	394	394		86.4%	0	380	380		86.4%	0	371	371	
87.7%	0	405	405		87.7%	0	387	387		87.7%	0	370	370		87.7%	0	368	368	
88.9%	0	399	399		88.9%	0	379	379		88.9%	0	366	366		88.9%	0	365	365	
90.1%	0	397	397		90.1%	0	377	377		90.1%	0	364	364		90.1%	0	365	365	
91.4%	0	381	381		91.4%	0	364	364		91.4%	0	358	358		91.4%	0	354	354	
92.6%	0	378	378		92.6%	0	364	364		92.6%	0	356	356		92.6%	0	353	353	
93.8%	0	376	376		93.8%	0	361	361		93.8%	0	354	354		93.8%	0	347	347	
95.1%	0	370	370		95.1%	0	354	354		95.1%	0	348	348		95.1%	0	345	345	
96.3%	0	367	367		96.3%	0	343	343		96.3%	0	340	340		96.3%	0	339	339	
97.5%	0	351	351		97.5%	0	342	342		97.5%	0	337	337		97.5%	0	332	332	
98.8%	0	342	342		98.8%	0	340	340		98.8%	0	333	333		98.8%	0	332	332	
100.0%	0	338	338		100.0%	0	333	333		100.0%	0	332	332		100.0%	0	329	329	

Table OP-11-9a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	10,667	10,532	10,976	11,620	12,185	12,697	12,717	12,586	12,159	11,595	11,223	10,909
Difference	10,667	10,532	10,976	11,620	12,185	12,697	12,717	12,586	12,159	11,595	11,223	10,909
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	12,962	12,731	13,175	13,329	13,751	14,010	14,065	14,078	13,928	13,595	13,497	13,185
Difference	12,962	12,731	13,175	13,329	13,751	14,010	14,065	14,078	13,928	13,595	13,497	13,185
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	12,195	11,984	12,479	11,871	12,709	13,416	13,637	13,694	13,503	13,030	12,712	12,442
Difference	12,195	11,984	12,479	11,871	12,709	13,416	13,637	13,694	13,503	13,030	12,712	12,442
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	11,101	11,065	11,410	11,429	12,002	12,705	12,904	12,851	12,533	11,975	11,527	11,252
Difference	11,101	11,065	11,410	11,429	12,002	12,705	12,904	12,851	12,533	11,975	11,527	11,252
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	9,458	9,350	9,678	11,113	11,774	12,380	12,438	12,226	11,543	10,767	10,132	9,771
Difference	9,458	9,350	9,678	11,113	11,774	12,380	12,438	12,226	11,543	10,767	10,132	9,771
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	5,470	5,470	6,148	8,646	9,094	9,602	9,076	8,476	7,471	6,625	6,088	5,750
Difference	5,470	5,470	6,148	8,646	9,094	9,602	9,076	8,476	7,471	6,625	6,088	5,750
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-9b
Sites Reservoir, End of Month Area
Probability of Exceedance

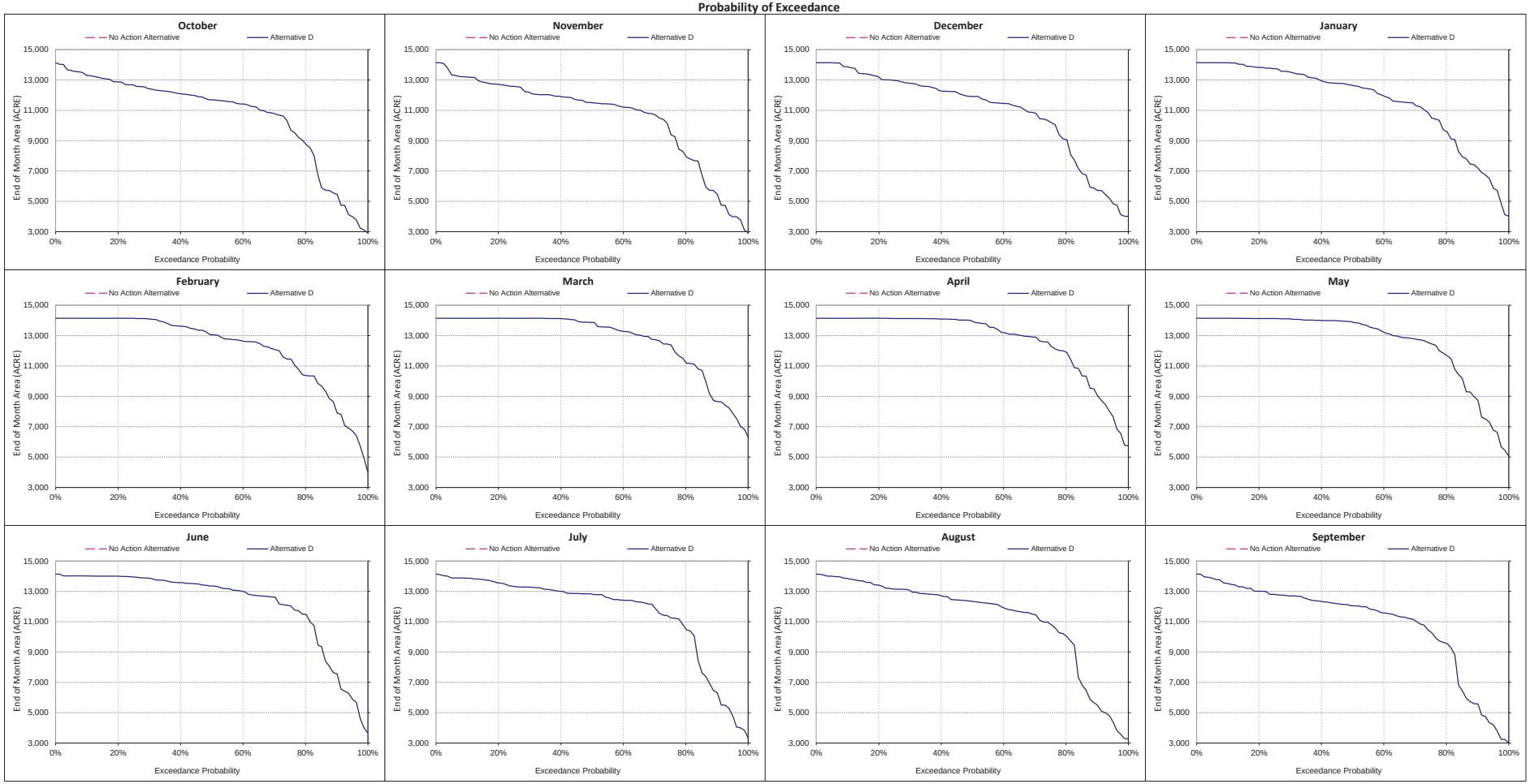

Table OP-11-9b

Sites Reservoir, End of Month Area
Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137		0.0%	0	14,137	14,137	
1.2%	0	14,030	14,030		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137		1.2%	0	14,137	14,137	
2.5%	0	14,024	14,024		2.5%	0	14,092	14,092		2.5%	0	14,137	14,137		2.5%	0	14,137	14,137	
3.7%	0	13,669	13,669		3.7%	0	13,783	13,783		3.7%	0	14,137	14,137		3.7%	0	14,137	14,137	
4.9%	0	13,620	13,620		4.9%	0	13,349	13,349		4.9%	0	14,134	14,134		4.9%	0	14,137	14,137	
6.2%	0	13,553	13,553		6.2%	0	13,298	13,298		6.2%	0	14,129	14,129		6.2%	0	14,137	14,137	
7.4%	0	13,545	13,545		7.4%	0	13,227	13,227		7.4%	0	14,127	14,127		7.4%	0	14,137	14,137	
8.6%	0	13,493	13,493		8.6%	0	13,218	13,218		8.6%	0	13,905	13,905		8.6%	0	14,137	14,137	
9.9%	0	13,294	13,294		9.9%	0	13,200	13,200		9.9%	0	13,872	13,872		9.9%	0	14,134	14,134	
11.1%	0	13,277	13,277		11.1%	0	13,174	13,174		11.1%	0	13,810	13,810		11.1%	0	14,129	14,129	
12.3%	0	13,227	13,227		12.3%	0	13,169	13,169		12.3%	0	13,769	13,769		12.3%	0	14,127	14,127	
13.6%	0	13,179	13,179		13.6%	0	12,942	12,942		13.6%	0	13,435	13,435		13.6%	0	14,042	14,042	
14.8%	0	13,117	13,117		14.8%	0	12,869	12,869		14.8%	0	13,427	13,427		14.8%	0	14,033	14,033	
16.0%	0	13,070	13,070		16.0%	0	12,826	12,826		16.0%	0	13,407	13,407		16.0%	0	13,905	13,905	
17.3%	0	13,036	13,036		17.3%	0	12,757	12,757		17.3%	0	13,354	13,354		17.3%	0	13,897	13,897	
18.5%	0	12,890	12,890		18.5%	0	12,727	12,727		18.5%	0	13,277	13,277		18.5%	0	13,854	13,854	
19.8%	0	12,876	12,876		19.8%	0	12,711	12,711		19.8%	0	13,237	13,237		19.8%	0	13,828	13,828	
21.0%	0	12,874	12,874		21.0%	0	12,682	12,682		21.0%	0	13,023	13,023		21.0%	0	13,824	13,824	
22.2%	0	12,700	12,700		22.2%	0	12,653	12,653		22.2%	0	13,006	13,006		22.2%	0	13,771	13,771	
23.5%	0	12,688	12,688		23.5%	0	12,593	12,593		23.5%	0	13,004	13,004		23.5%	0	13,771	13,771	
24.7%	0	12,680	12,680		24.7%	0	12,577	12,577		24.7%	0	12,969	12,969		24.7%	0	13,736	13,736	
25.9%	0	12,579	12,579		25.9%	0	12,557	12,557		25.9%	0	12,952	12,952		25.9%	0	13,721	13,721	
27.2%	0	12,563	12,563		27.2%	0	12,511	12,511		27.2%	0	12,881	12,881		27.2%	0	13,575	13,575	
28.4%	0	12,548	12,548		28.4%	0	12,236	12,236		28.4%	0	12,820	12,820		28.4%	0	13,566	13,566	
29.6%	0	12,425	12,425		29.6%	0	12,207	12,207		29.6%	0	12,788	12,788		29.6%	0	13,547	13,547	
30.9%	0	12,385	12,385		30.9%	0	12,077	12,077		30.9%	0	12,772	12,772		30.9%	0	13,470	13,470	
32.1%	0	12,315	12,315		32.1%	0	12,057	12,057		32.1%	0	12,714	12,714		32.1%	0	13,407	13,407	
33.3%	0	12,298	12,298		33.3%	0	12,038	12,038		33.3%	0	12,611	12,611		33.3%	0	13,384	13,384	
34.6%	0	12,268	12,268		34.6%	0	12,030	12,030		34.6%	0	12,575	12,575		34.6%	0	13,354	13,354	
35.8%	0	12,232	12,232		35.8%	0	12,025	12,025		35.8%	0	12,574	12,574		35.8%	0	13,173	13,173	
37.0%	0	12,215	12,215		37.0%	0	11,991	11,991		37.0%	0	12,505	12,505		37.0%	0	13,141	13,141	
38.3%	0	12,157	12,157		38.3%	0	11,927	11,927		38.3%	0	12,438	12,438		38.3%	0	13,104	13,104	
39.5%	0	12,097	12,097		39.5%	0	11,922	11,922		39.5%	0	12,296	12,296		39.5%	0	12,991	12,991	
40.7%	0	12,066	12,066		40.7%	0	11,887	11,887		40.7%	0	12,256	12,256		40.7%	0	12,892	12,892	
42.0%	0	12,047	12,047		42.0%	0	11,860	11,860		42.0%	0	12,250	12,250		42.0%	0	12,830	12,830	
43.2%	0	11,993	11,993		43.2%	0	11,850	11,850		43.2%	0	12,237	12,237		43.2%	0	12,810	12,810	
44.4%	0	11,980	11,980		44.4%	0	11,725	11,725		44.4%	0	12,231	12,231		44.4%	0	12,786	12,786	
45.7%	0	11,888	11,888		45.7%	0	11,672	11,672		45.7%	0	12,097	12,097		45.7%	0	12,772	12,772	
46.9%	0	11,885	11,885		46.9%	0	11,648	11,648		46.9%	0	12,007	12,007		46.9%	0	12,765	12,765	
48.1%	0	11,763	11,763		48.1%	0	11,517	11,517		48.1%	0	11,942	11,942		48.1%	0	12,723	12,723	
49.4%	0	11,683	11,683		49.4%	0	11,513	11,513		49.4%	0	11,921	11,921		49.4%	0	12,658	12,658	
50.6%	0	11,683	11,683		50.6%	0	11,480	11,480		50.6%	0	11,908	11,908		50.6%	0	12,611	12,611	
51.9%	0	11,662	11,662		51.9%	0	11,460	11,460		51.9%	0	11,907	11,907		51.9%	0	12,586	12,586	
53.1%	0	11,638	11,638		53.1%	0	11,441	11,441		53.1%	0	11,743	11,743		53.1%	0	12,484	12,484	
54.3%	0	11,607	11,607		54.3%	0	11,430	11,430		54.3%	0	11,692	11,692		54.3%	0	12,438	12,438	
55.6%	0	11,568	11,568		55.6%	0	11,418	11,418		55.6%	0	11,533	11,533		55.6%	0	12,411	12,411	
56.8%	0	11,557	11,557		56.8%	0	11,391	11,391		56.8%	0	11,500	11,500		56.8%	0	12,345	12,345	
58.0%	0	11,450	11,450		58.0%	0	11,311	11,311		58.0%	0	11,480	11,480		58.0%	0	12,097	12,097	
59.3%	0	11,421	11,421		59.3%	0	11,248	11,248		59.3%	0	11,460	11,460		59.3%	0	12,007	12,007	
60.5%	0	11,408	11,408		60.5%	0	11,197	11,197		60.5%	0	11,449	11,449		60.5%	0	11,887	11,887	
61.7%	0	11,332	11,332		61.7%	0	11,188	11,188		61.7%	0	11,437	11,437		61.7%	0	11,804	11,804	
63.0%	0	11,247	11,247		63.0%	0	11,135	11,135		63.0%	0	11,326	11,326		63.0%	0	11,605	11,605	
64.2%	0	11,225	11,225		64.2%	0	11,024	11,024		64.2%	0	11,267	11,267		64.2%	0	11,595	11,595	
65.4%	0	11,013	11,013		65.4%	0	11,000	11,000		65.4%	0	11,210	11,210		65.4%	0	11,555	11,555	
66.7%	0	10,973	10,973		66.7%	0	10,868	10,868		66.7%	0	11,046	11,046		66.7%	0	11,533	11,533	
67.9%	0	10,857	10,857		67.9%	0	10,801	10,801		67.9%	0	10,889	10,889		67.9%	0	11,500	11,500	
69.1%	0	10,835	10,835		69.1%	0	10,787	10,787		69.1%	0	10,864	10,864		69.1%	0	11,497	11,497	
70.4%	0	10,767	10,767		70.4%	0	10,687	10,687		70.4%	0	10,808	10,808		70.4%	0	11,294	11,294	
71.6%	0	10,677	10,677		71.6%	0	10,477	10,477		71.6%	0	10,442	10,442		71.6%	0	11,253	11,253	
72.8%	0	10,624	10,624		72.8%	0	10,410	10,410		72.8%	0	10,430	10,430		72.8%	0	11,046	11,046	
74.1%	0	10,322	10,322		74.1%	0	10,157	10,157		74.1%	0	10,340	10,340		74.1%	0	10,864	10,864	
75.3%	0	9,687	9,687		75.3%	0	9,374	9,374		75.3%	0	10,181	10,181		75.3%	0	10,498	10,498	
76.5%	0	9,511	9,511		76.5%	0	9,258	9,258		76.5%	0	10,052	10,052		76.5%	0	10,423	10,423	
77.8%	0	9,225	9,225		77.8%	0	8,445	8,445		77.8%	0	9,396	9,396		77.8%	0	10,340	10,340	
79.0%	0	9,039	9,039		79.0%	0	8,304	8,304		79.0%	0	9,129	9,129		79.0%	0	9,729	9,729	
80.2%	0	8,740	8,740		80.2%	0	7,920	7,920		80.2%	0	9,076	9,076		80.2%	0	9,575	9,575	
81.5%	0	8,518	8,518		81.5%	0	7,783	7,783		81.5%	0	8,062	8,062		81.5%	0	9,129	9,129	
82.7%	0	8,022	8,022		82.7%	0	7,684	7,684		82.7%	0	7,710	7,710		82.7%	0	9,076	9,076	
84.0%	0	6,724	6,724		84.0%	0	7,657	7,657		84.0%	0	7,178	7,178		84.0%	0	8,275	8,275	
85.2%	0	5,902	5,902		85.2%	0	6,724	6,724		85.2%	0	6,823	6,823		85.2%	0	7,944	7,944	
86.4%	0	5,737	5,737		86.4%	0	5,914	5,914		86.4%	0	6,724	6,724		86.4%	0	7,795	7,795	
87.7%	0	5,718	5,718		87.7%	0	5,737	5,737		87.7%	0	5,939	5,939		87.7%	0	7,454	7,454	
88.9%	0	5,556	5,556		88.9%	0	5,718	5,718		88.9%	0	5,876	5,876		88.9%	0	7,414	7,414	
90.1%	0	5,465	5,465		90.1%	0	5,465	5,465		90.1%	0	5,718	5,718		90.1%	0	7,189	7,189	
91.4%	0	4,739	4,739		91.4%	0	4,737	4,737		91.4%	0	5,710	5,710		91.4%	0	6,899	6,899	
92.6%	0	4,734	4,734		92.6%	0	4,732	4,732		92.6%	0	5,465	5,465		92.6%	0	6,736	6,736	
93.8%	0	4,123	4,123		93.8%	0	4,121	4,121		93.8%	0	5,220	5,220		93.8%	0	6,481	6,481	
95.1%	0	3,977	3,977		95.1%	0	3,990	3,990		95.1%	0	4,843	4,843		95.1%	0	5,876	5,876	
96.3%	0	3,764	3,764		96.3%	0	3,982	3,982		96.3%	0	4,737	4,737		96.3%	0	5,718	5,718	
97.5%	0	3,236	3,236		97.5%	0	3,781	3,781		97.5%	0	4,121	4,121		97.5%	0	4,880	4,880	
98.8%	0	3,106	3,106		98.8%	0	3,120	3,120		98.8%	0	4,016	4,016		98.8%	0	4,121	4,121	
100.0%	0	2,909	2,909		100.0%	0	2,923	2,923		100.0%	0	4,008	4,008		100.0%	0	4,016	4,016	

Table OP-11-9b

Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
1.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
2.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
3.7%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
4.9%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
6.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
7.4%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
8.6%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
9.9%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
11.1%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
12.3%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
13.6%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
14.8%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,125	14,125	
16.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
17.3%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
18.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
19.8%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
21.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
22.2%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
23.5%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
24.7%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,120	14,120	
25.9%	0	14,134	14,134		0	14,137	14,137		0	14,133	14,133		0	14,120	14,120	
27.2%	0	14,129	14,129		0	14,137	14,137		0	14,130	14,130		0	14,115	14,115	
28.4%	0	14,127	14,127		0	14,137	14,137		0	14,130	14,130		0	14,111	14,111	
29.6%	0	14,108	14,108		0	14,137	14,137		0	14,129	14,129		0	14,109	14,109	
30.9%	0	14,078	14,078		0	14,137	14,137		0	14,127	14,127		0	14,081	14,081	
32.1%	0	14,062	14,062		0	14,137	14,137		0	14,127	14,127		0	14,067	14,067	
33.3%	0	13,961	13,961		0	14,137	14,137		0	14,126	14,126		0	14,055	14,055	
34.6%	0	13,902	13,902		0	14,136	14,136		0	14,120	14,120		0	14,031	14,031	
35.8%	0	13,801	13,801		0	14,135	14,135		0	14,116	14,116		0	14,022	14,022	
37.0%	0	13,684	13,684		0	14,134	14,134		0	14,115	14,115		0	14,017	14,017	
38.3%	0	13,653	13,653		0	14,129	14,129		0	14,115	14,115		0	14,004	14,004	
39.5%	0	13,629	13,629		0	14,127	14,127		0	14,098	14,098		0	14,000	14,000	
40.7%	0	13,613	13,613		0	14,116	14,116		0	14,096	14,096		0	13,996	13,996	
42.0%	0	13,580	13,580		0	14,088	14,088		0	14,086	14,086		0	13,992	13,992	
43.2%	0	13,476	13,476		0	14,056	14,056		0	14,077	14,077		0	13,990	13,990	
44.4%	0	13,447	13,447		0	14,034	14,034		0	14,067	14,067		0	13,988	13,988	
45.7%	0	13,359	13,359		0	13,914	13,914		0	14,026	14,026		0	13,971	13,971	
46.9%	0	13,354	13,354		0	13,884	13,884		0	14,025	14,025		0	13,955	13,955	
48.1%	0	13,256	13,256		0	13,883	13,883		0	14,019	14,019		0	13,937	13,937	
49.4%	0	13,057	13,057		0	13,871	13,871		0	14,003	14,003		0	13,920	13,920	
50.6%	0	13,040	13,040		0	13,864	13,864		0	13,888	13,888		0	13,847	13,847	
51.9%	0	13,028	13,028		0	13,604	13,604		0	13,828	13,828		0	13,841	13,841	
53.1%	0	12,873	12,873		0	13,578	13,578		0	13,799	13,799		0	13,729	13,729	
54.3%	0	12,772	12,772		0	13,565	13,565		0	13,792	13,792		0	13,689	13,689	
55.6%	0	12,768	12,768		0	13,563	13,563		0	13,546	13,546		0	13,561	13,561	
56.8%	0	12,749	12,749		0	13,478	13,478		0	13,538	13,538		0	13,492	13,492	
58.0%	0	12,723	12,723		0	13,374	13,374		0	13,408	13,408		0	13,445	13,445	
59.3%	0	12,665	12,665		0	13,307	13,307		0	13,219	13,219		0	13,298	13,298	
60.5%	0	12,620	12,620		0	13,266	13,266		0	13,182	13,182		0	13,160	13,160	
61.7%	0	12,611	12,611		0	13,261	13,261		0	13,099	13,099		0	13,116	13,116	
63.0%	0	12,601	12,601		0	13,151	13,151		0	13,097	13,097		0	13,002	13,002	
64.2%	0	12,563	12,563		0	13,052	13,052		0	13,057	13,057		0	12,973	12,973	
65.4%	0	12,472	12,472		0	13,035	13,035		0	13,016	13,016		0	12,899	12,899	
66.7%	0	12,297	12,297		0	12,950	12,950		0	12,965	12,965		0	12,855	12,855	
67.9%	0	12,256	12,256		0	12,942	12,942		0	12,951	12,951		0	12,852	12,852	
69.1%	0	12,143	12,143		0	12,764	12,764		0	12,918	12,918		0	12,811	12,811	
70.4%	0	12,074	12,074		0	12,724	12,724		0	12,902	12,902		0	12,750	12,750	
71.6%	0	12,003	12,003		0	12,661	12,661		0	12,644	12,644		0	12,727	12,727	
72.8%	0	11,595	11,595		0	12,448	12,448		0	12,591	12,591		0	12,664	12,664	
74.1%	0	11,459	11,459		0	12,446	12,446		0	12,587	12,587		0	12,555	12,555	
75.3%	0	11,451	11,451		0	12,383	12,383		0	12,301	12,301		0	12,456	12,456	
76.5%	0	11,052	11,052		0	11,916	11,916		0	12,127	12,127		0	12,368	12,368	
77.8%	0	10,793	10,793		0	11,662	11,662		0	12,025	12,025		0	12,002	12,002	
79.0%	0	10,430	10,430		0	11,508	11,508		0	12,001	12,001		0	11,847	11,847	
80.2%	0	10,354	10,354		0	11,189	11,189		0	11,890	11,890		0	11,687	11,687	
81.5%	0	10,338	10,338		0	11,172	11,172		0	11,405	11,405		0	11,499	11,499	
82.7%	0	10,336	10,336		0	11,119	11,119		0	10,895	10,895		0	10,771	10,771	
84.0%	0	9,856	9,856		0	10,799	10,799		0	10,838	10,838		0	10,453	10,453	
85.2%	0	9,678	9,678		0	10,697	10,697		0	10,342	10,342		0	10,161	10,161	
86.4%	0	9,334	9,334		0	9,951	9,951		0	10,325	10,325		0	9,294	9,294	
87.7%	0	8,856	8,856		0	9,163	9,163		0	9,545	9,545		0	9,290	9,290	
88.9%	0	8,652	8,652		0	8,740	8,740		0	9,488	9,488		0	8,970	8,970	
90.1%	0	7,897	7,897		0	8,648	8,648		0	9,047	9,047		0	8,736	8,736	
91.4%	0	7,811	7,811		0	8,637	8,637		0	8,741	8,741		0	7,629	7,629	
92.6%	0	7,067	7,067		0	8,402	8,402		0	8,464	8,464		0	7,504	7,504	
93.8%	0	6,899	6,899		0	8,231	8,231		0	8,041	8,041		0	7,302	7,302	
95.1%	0	6,718	6,718		0	7,884	7,884		0	7,653	7,653		0	6,760	6,760	
96.3%	0	6,405	6,405		0	7,538	7,538		0	6,823	6,823		0	6,637	6,637	
97.5%	0	5,710	5,710		0	7,027	7,027		0	6,553	6,553		0	5,674	5,674	
98.8%	0	4,880	4,880		0	6,836	6,836		0	5,767	5,767		0	5,451	5,451	
100.0%	0	4,016	4,016		0	6,306	6,306		0	5,733	5,733		0	5,065	5,065	

Table OP-11-9b

Sites Reservoir, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137		0	14,137	14,137		0	14,137	14,137		0	14,137	14,137	
1.2%	0	14,135	14,135		0	14,104	14,104		0	14,119	14,119		0	14,137	14,137	
2.5%	0	14,020	14,020		0	14,033	14,033		0	14,068	14,068		0	13,947	13,947	
3.7%	0	14,019	14,019		0	14,003	14,003		0	14,008	14,008		0	13,934	13,934	
4.9%	0	14,019	14,019		0	13,884	13,884		0	14,005	14,005		0	13,881	13,881	
6.2%	0	14,019	14,019		0	13,884	13,884		0	13,974	13,974		0	13,776	13,776	
7.4%	0	14,019	14,019		0	13,878	13,878		0	13,964	13,964		0	13,752	13,752	
8.6%	0	14,012	14,012		0	13,878	13,878		0	13,873	13,873		0	13,561	13,561	
9.9%	0	14,012	14,012		0	13,870	13,870		0	13,852	13,852		0	13,521	13,521	
11.1%	0	14,012	14,012		0	13,860	13,860		0	13,798	13,798		0	13,451	13,451	
12.3%	0	14,000	14,000		0	13,819	13,819		0	13,754	13,754		0	13,419	13,419	
13.6%	0	14,000	14,000		0	13,813	13,813		0	13,699	13,699		0	13,299	13,299	
14.8%	0	13,999	13,999		0	13,780	13,780		0	13,683	13,683		0	13,297	13,297	
16.0%	0	13,995	13,995		0	13,745	13,745		0	13,590	13,590		0	13,195	13,195	
17.3%	0	13,995	13,995		0	13,704	13,704		0	13,585	13,585		0	13,191	13,191	
18.5%	0	13,994	13,994		0	13,646	13,646		0	13,430	13,430		0	13,010	13,010	
19.8%	0	13,994	13,994		0	13,559	13,559		0	13,415	13,415		0	13,009	13,009	
21.0%	0	13,985	13,985		0	13,529	13,529		0	13,341	13,341		0	13,001	13,001	
22.2%	0	13,983	13,983		0	13,474	13,474		0	13,211	13,211		0	12,991	12,991	
23.5%	0	13,964	13,964		0	13,359	13,359		0	13,201	13,201		0	12,808	12,808	
24.7%	0	13,946	13,946		0	13,336	13,336		0	13,147	13,147		0	12,800	12,800	
25.9%	0	13,925	13,925		0	13,296	13,296		0	13,141	13,141		0	12,769	12,769	
27.2%	0	13,905	13,905		0	13,287	13,287		0	13,138	13,138		0	12,756	12,756	
28.4%	0	13,879	13,879		0	13,282	13,282		0	13,124	13,124		0	12,724	12,724	
29.6%	0	13,874	13,874		0	13,279	13,279		0	13,092	13,092		0	12,706	12,706	
30.9%	0	13,836	13,836		0	13,264	13,264		0	12,943	12,943		0	12,690	12,690	
32.1%	0	13,741	13,741		0	13,248	13,248		0	12,940	12,940		0	12,684	12,684	
33.3%	0	13,734	13,734		0	13,224	13,224		0	12,858	12,858		0	12,670	12,670	
34.6%	0	13,730	13,730		0	13,148	13,148		0	12,850	12,850		0	12,568	12,568	
35.8%	0	13,667	13,667		0	13,122	13,122		0	12,814	12,814		0	12,470	12,470	
37.0%	0	13,610	13,610		0	13,097	13,097		0	12,792	12,792		0	12,409	12,409	
38.3%	0	13,585	13,585		0	13,035	13,035		0	12,787	12,787		0	12,375	12,375	
39.5%	0	13,572	13,572		0	13,002	13,002		0	12,747	12,747		0	12,352	12,352	
40.7%	0	13,566	13,566		0	12,997	12,997		0	12,663	12,663		0	12,299	12,299	
42.0%	0	13,522	13,522		0	12,868	12,868		0	12,650	12,650		0	12,292	12,292	
43.2%	0	13,512	13,512		0	12,867	12,867		0	12,456	12,456		0	12,228	12,228	
44.4%	0	13,501	13,501		0	12,857	12,857		0	12,437	12,437		0	12,201	12,201	
45.7%	0	13,481	13,481		0	12,852	12,852		0	12,418	12,418		0	12,163	12,163	
46.9%	0	13,421	13,421		0	12,842	12,842		0	12,404	12,404		0	12,140	12,140	
48.1%	0	13,407	13,407		0	12,834	12,834		0	12,383	12,383		0	12,132	12,132	
49.4%	0	13,355	13,355		0	12,828	12,828		0	12,333	12,333		0	12,053	12,053	
50.6%	0	13,349	13,349		0	12,787	12,787		0	12,321	12,321		0	12,039	12,039	
51.9%	0	13,316	13,316		0	12,780	12,780		0	12,299	12,299		0	12,032	12,032	
53.1%	0	13,214	13,214		0	12,779	12,779		0	12,252	12,252		0	11,986	11,986	
54.3%	0	13,177	13,177		0	12,610	12,610		0	12,216	12,216		0	11,978	11,978	
55.6%	0	13,176	13,176		0	12,554	12,554		0	12,199	12,199		0	11,825	11,825	
56.8%	0	13,067	13,067		0	12,464	12,464		0	12,169	12,169		0	11,784	11,784	
58.0%	0	13,052	13,052		0	12,464	12,464		0	12,139	12,139		0	11,709	11,709	
59.3%	0	13,016	13,016		0	12,427	12,427		0	11,980	11,980		0	11,592	11,592	
60.5%	0	12,968	12,968		0	12,406	12,406		0	11,869	11,869		0	11,567	11,567	
61.7%	0	12,808	12,808		0	12,399	12,399		0	11,793	11,793		0	11,510	11,510	
63.0%	0	12,754	12,754		0	12,396	12,396		0	11,759	11,759		0	11,483	11,483	
64.2%	0	12,733	12,733		0	12,311	12,311		0	11,683	11,683		0	11,379	11,379	
65.4%	0	12,690	12,690		0	12,287	12,287		0	11,651	11,651		0	11,303	11,303	
66.7%	0	12,686	12,686		0	12,248	12,248		0	11,604	11,604		0	11,289	11,289	
67.9%	0	12,660	12,660		0	12,167	12,167		0	11,598	11,598		0	11,208	11,208	
69.1%	0	12,637	12,637		0	12,156	12,156		0	11,499	11,499		0	11,168	11,168	
70.4%	0	12,612	12,612		0	11,844	11,844		0	11,448	11,448		0	11,023	11,023	
71.6%	0	12,159	12,159		0	11,535	11,535		0	11,082	11,082		0	10,845	10,845	
72.8%	0	12,108	12,108		0	11,426	11,426		0	10,975	10,975		0	10,772	10,772	
74.1%	0	12,089	12,089		0	11,398	11,398		0	10,967	10,967		0	10,479	10,479	
75.3%	0	12,024	12,024		0	11,247	11,247		0	10,797	10,797		0	10,271	10,271	
76.5%	0	11,754	11,754		0	11,224	11,224		0	10,585	10,585		0	9,945	9,945	
77.8%	0	11,719	11,719		0	11,173	11,173		0	10,262	10,262		0	9,732	9,732	
79.0%	0	11,498	11,498		0	10,811	10,811		0	10,213	10,213		0	9,629	9,629	
80.2%	0	11,471	11,471		0	10,476	10,476		0	10,015	10,015		0	9,570	9,570	
81.5%	0	10,978	10,978		0	10,382	10,392		0	9,719	9,719		0	9,275	9,275	
82.7%	0	10,745	10,745		0	10,067	10,067		0	9,443	9,443		0	8,816	8,816	
84.0%	0	9,463	9,463		0	8,439	8,439		0	7,341	7,341		0	6,827	6,827	
85.2%	0	9,342	9,342		0	7,630	7,630		0	6,814	6,814		0	6,428	6,428	
86.4%	0	8,408	8,408		0	7,369	7,369		0	6,485	6,485		0	5,944	5,944	
87.7%	0	8,056	8,056		0	6,923	6,923		0	5,891	5,891		0	5,737	5,737	
88.9%	0	7,653	7,653		0	6,461	6,461		0	5,665	5,665		0	5,598	5,598	
90.1%	0	7,550	7,550		0	6,303	6,303		0	5,496	5,496		0	5,583	5,583	
91.4%	0	6,548	6,548		0	5,512	5,512		0	5,093	5,093		0	4,835	4,835	
92.6%	0	6,415	6,415		0	5,488	5,488		0	5,000	5,000		0	4,742	4,742	
93.8%	0	6,278	6,278		0	5,291	5,291		0	4,814	4,814		0	4,329	4,329	
95.1%	0	5,886	5,886		0	4,798	4,798		0	4,381	4,381		0	4,213	4,213	
96.3%	0	5,674	5,674		0	4,051	4,051		0	3,808	3,808		0	3,772	3,772	
97.5%	0	4,594	4,594		0	4,001	4,001		0	3,575	3,575		0	3,243	3,243	
98.8%	0	3,976	3,976		0	3,850	3,850		0	3,286	3,286		0	3,224	3,224	
100.0%	0	3,651	3,651		0	3,319	3,319		0	3,274	3,274		0	3,016	3,016	

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Trinity and Sacramento River Basin Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table SW-01-3a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						End of Month Storage (TAF)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative A	1,351	1,362	1,412	1,471	1,579	1,698	1,847	1,843	1,806	1,671	1,536	1,417
Difference	46	47	45	40	38	33	32	32	32	35	41	43
Percent Difference[3]	3.5%	3.6%	3.3%	2.8%	2.5%	2.0%	1.8%	1.8%	1.8%	2.2%	2.8%	3.1%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative A	1,751	1,762	1,776	1,770	1,928	2,061	2,237	2,271	2,248	2,121	2,000	1,854
Difference	16	18	15	21	17	10	8	7	7	7	6	9
Percent Difference	0.9%	1.0%	0.9%	1.2%	0.9%	0.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative A	1,587	1,585	1,617	1,579	1,729	1,898	2,067	2,071	2,043	1,911	1,775	1,643
Difference	52	55	60	61	62	61	60	59	59	51	53	59
Percent Difference	3.4%	3.6%	3.8%	4.0%	3.7%	3.3%	3.0%	2.9%	3.0%	2.7%	3.1%	3.7%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative A	1,266	1,299	1,376	1,372	1,445	1,540	1,715	1,699	1,651	1,525	1,395	1,291
Difference	44	46	38	47	45	44	42	42	42	46	51	50
Percent Difference	3.6%	3.6%	2.8%	3.6%	3.3%	2.9%	2.5%	2.5%	2.6%	3.1%	3.8%	4.0%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative A	1,127	1,138	1,246	1,373	1,451	1,572	1,706	1,661	1,600	1,442	1,292	1,185
Difference	59	60	60	40	38	29	26	30	29	30	49	52
Percent Difference	5.5%	5.6%	5.0%	3.0%	2.7%	1.9%	1.6%	1.9%	1.9%	2.2%	3.9%	4.6%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative A	683	683	711	978	1,019	1,088	1,150	1,127	1,101	968	823	737
Difference	87	87	82	53	52	49	52	51	52	75	82	79
Percent Difference	14.7%	14.6%	13.0%	5.8%	5.4%	4.7%	4.7%	4.8%	4.9%	8.4%	11.1%	12.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-01-3b
Trinity Lake, End of Month Storage
Probability of Exceedance

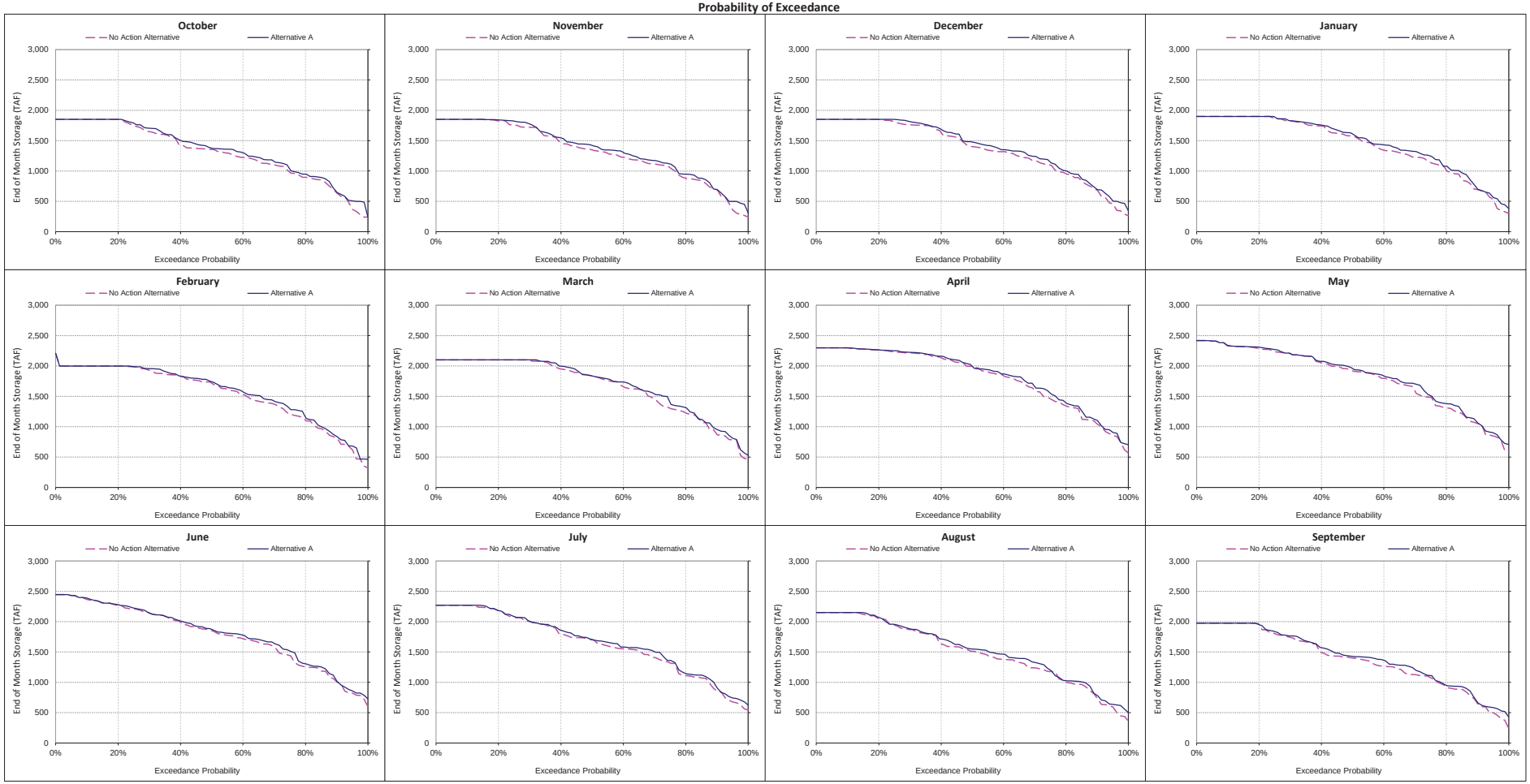

Table SW-01-3b

Trinity Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,830	23	1.3%
23.5%	1,781	1,807	26	1.5%
24.7%	1,755	1,798	43	2.4%
25.9%	1,732	1,763	31	1.8%
27.2%	1,714	1,763	48	2.8%
28.4%	1,672	1,713	40	2.4%
29.6%	1,652	1,706	54	3.3%
30.9%	1,642	1,703	61	3.7%
32.1%	1,619	1,699	80	5.0%
33.3%	1,605	1,663	59	3.6%
34.6%	1,603	1,619	16	1.0%
35.8%	1,592	1,599	7	0.4%
37.0%	1,548	1,598	50	3.2%
38.3%	1,544	1,548	3	0.2%
39.5%	1,433	1,513	80	5.5%
40.7%	1,424	1,486	62	4.4%
42.0%	1,382	1,485	103	7.4%
43.2%	1,379	1,475	96	6.9%
44.4%	1,377	1,455	79	5.7%
45.7%	1,370	1,433	62	4.6%
46.9%	1,367	1,424	58	4.2%
48.1%	1,362	1,416	54	4.0%
49.4%	1,356	1,387	30	2.2%
50.6%	1,355	1,370	15	1.1%
51.9%	1,323	1,369	46	3.5%
53.1%	1,315	1,365	50	3.8%
54.3%	1,299	1,359	60	4.6%
55.6%	1,294	1,359	65	5.0%
56.8%	1,257	1,354	97	7.7%
58.0%	1,239	1,321	82	6.6%
59.3%	1,225	1,312	87	7.1%
60.5%	1,224	1,291	67	5.5%
61.7%	1,214	1,245	31	2.6%
63.0%	1,201	1,244	43	3.5%
64.2%	1,179	1,230	51	4.4%
65.4%	1,134	1,217	83	7.3%
66.7%	1,126	1,189	63	5.6%
67.9%	1,124	1,186	61	5.5%
69.1%	1,102	1,185	82	7.4%
70.4%	1,098	1,144	47	4.3%
71.6%	1,082	1,139	57	5.3%
72.8%	1,075	1,122	47	4.4%
74.1%	1,018	1,104	86	8.4%
75.3%	965	1,006	41	4.3%
76.5%	959	988	29	3.0%
77.8%	936	974	38	4.1%
79.0%	896	950	54	6.0%
80.2%	895	949	54	6.0%
81.5%	885	911	26	2.9%
82.7%	869	911	42	4.8%
84.0%	858	901	43	5.1%
85.2%	855	894	39	4.5%
86.4%	807	870	63	7.8%
87.7%	751	823	72	9.6%
88.9%	700	720	20	2.8%
90.1%	633	644	11	1.7%
91.4%	583	615	32	5.5%
92.6%	580	583	3	0.5%
93.8%	483	516	34	7.0%
95.1%	367	507	140	38.3%
96.3%	334	500	166	49.7%
97.5%	281	500	219	78.0%
98.8%	240	485	245	101.9%
100.0%	240	240	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,845	1,846	1	0.1%
17.3%	1,843	1,845	2	0.1%
18.5%	1,840	1,845	5	0.3%
19.8%	1,828	1,843	16	0.9%
21.0%	1,828	1,840	12	0.7%
22.2%	1,825	1,833	8	0.4%
23.5%	1,765	1,829	64	3.6%
24.7%	1,754	1,826	72	4.1%
25.9%	1,753	1,814	61	3.5%
27.2%	1,727	1,805	78	4.5%
28.4%	1,722	1,803	81	4.7%
29.6%	1,722	1,784	62	3.6%
30.9%	1,720	1,757	37	2.2%
32.1%	1,719	1,719	-1	0.0%
33.3%	1,655	1,655	0	0.0%
34.6%	1,583	1,644	60	3.8%
35.8%	1,577	1,627	50	3.2%
37.0%	1,572	1,600	28	1.8%
38.3%	1,553	1,561	8	0.5%
39.5%	1,482	1,553	70	4.7%
40.7%	1,449	1,534	86	5.9%
42.0%	1,444	1,481	36	2.5%
43.2%	1,418	1,475	57	4.0%
44.4%	1,408	1,462	53	3.8%
45.7%	1,386	1,446	60	4.3%
46.9%	1,371	1,446	74	5.4%
48.1%	1,360	1,440	79	5.8%
49.4%	1,358	1,433	75	5.5%
50.6%	1,337	1,411	74	5.5%
51.9%	1,328	1,398	70	5.3%
53.1%	1,317	1,354	36	2.8%
54.3%	1,309	1,348	39	3.0%
55.6%	1,278	1,346	68	5.3%
56.8%	1,275	1,343	68	5.3%
58.0%	1,261	1,336	74	5.9%
59.3%	1,231	1,330	99	8.0%
60.5%	1,223	1,289	66	5.4%
61.7%	1,200	1,277	77	6.4%
63.0%	1,187	1,251	65	5.4%
64.2%	1,181	1,233	52	4.4%
65.4%	1,179	1,199	20	1.7%
66.7%	1,147	1,196	49	4.3%
67.9%	1,124	1,183	59	5.2%
69.1%	1,120	1,175	55	4.9%
70.4%	1,112	1,172	59	5.3%
71.6%	1,102	1,153	51	4.6%
72.8%	1,093	1,133	40	3.6%
74.1%	1,093	1,129	37	3.4%
75.3%	1,041	1,113	72	6.9%
76.5%	1,003	1,066	63	6.3%
77.8%	931	959	28	3.0%
79.0%	897	949	52	5.8%
80.2%	875	948	72	8.3%
81.5%	875	945	70	7.9%
82.7%	862	932	70	8.2%
84.0%	852	884	32	3.8%
85.2%	843	878	36	4.2%
86.4%	793	856	63	7.9%
87.7%	735	807	72	9.8%
88.9%	710	703	-7	-1.0%
90.1%	689	692	3	0.4%
91.4%	578	635	57	10.0%
92.6%	571	578	6	1.1%
93.8%	468	500	32	6.9%
95.1%	355	500	145	41.0%
96.3%	305	500	195	63.9%
97.5%	284	470	186	65.7%
98.8%	267	453	186	69.7%
100.0%	240	305	65	27.1%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,850	16	0.8%
24.7%	1,817	1,850	33	1.8%
25.9%	1,794	1,847	53	3.0%
27.2%	1,779	1,840	61	3.5%
28.4%	1,768	1,835	68	3.8%
29.6%	1,763	1,818	55	3.1%
30.9%	1,759	1,804	46	2.6%
32.1%	1,755	1,794	39	2.2%
33.3%	1,754	1,788	34	1.9%
34.6%	1,750	1,770	21	1.2%
35.8%	1,748	1,759	10	0.6%
37.0%	1,740	1,732	-8	-0.4%
38.3%	1,685	1,727	42	2.5%
39.5%	1,669	1,700	32	1.9%
40.7%	1,581	1,662	81	5.1%
42.0%	1,579	1,636	56	3.6%
43.2%	1,571	1,632	60	3.8%
44.4%	1,561	1,612	50	3.2%
45.7%	1,537	1,606	69	4.5%
46.9%	1,483	1,498	15	1.0%
48.1%	1,429	1,485	56	3.9%
49.4%	1,405	1,483	79	5.6%
50.6%	1,400	1,472	72	5.2%
51.9%	1,388	1,453	65	4.7%
53.1%	1,386	1,442	56	4.0%
54.3%	1,351	1,424	73	5.4%
55.6%	1,338	1,419	81	6.0%
56.8%	1,332	1,402	70	5.3%
58.0%	1,320	1,379	58	4.4%
59.3%	1,319	1,351	32	2.4%
60.5%	1,319	1,349	30	2.3%
61.7%	1,296	1,344	49	3.7%
63.0%	1,288	1,328	40	3.1%
64.2%	1,254	1,328	75	5.9%
65.4%	1,236	1,326	90	7.3%
66.7%	1,220	1,306	86	7.1%
67.9%	1,216	1,261	45	3.7%
69.1%	1,176	1,245	69	5.9%
70.4%	1,170	1,238	68	5.8%
71.6%	1,137	1,199	62	5.4%
72.8%	1,117	1,196	79	7.1%
74.1%	1,109	1,186	77	7.0%
75.3%	1,092	1,132	40	3.7%
76.5%	1,012	1,109	97	9.6%
77.8%	985	1,045	60	6.1%
79.0%	980	1,011	31	3.2%
80.2%	949	1,000	51	5.4%
81.5%	938	963	25	2.6%
82.7%	892	948	56	6.3%
84.0%	892	944	52	5.9%
85.2%	827	863	36	4.3%
86.4%	783	846	63	8.0%
87.7%	751	792	41	5.4%
88.9%	720	739	19	2.6%
90.1%	679	691	11	1.7%
91.4%	581	687	107	18.3%
92.6%	566	630	64	11.3%
93.8%	478	581	103	21.6%
95.1%	458	503	45	9.8%
96.3%	350	500	150	42.8%
97.5%	342	477	136	39.7%
98.8%	287	465	179	62.3%
100.0%	264	342	78	29.4%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,900	31	1.7%
25.9%	1,861	1,861	0	0.0%
27.2%	1,857	1,860	3	0.2%
28.4%	1,830	1,859	29	1.6%
29.6%	1,825	1,829	4	0.2%
30.9%	1,820	1,827	7	0.4%
32.1%	1,808	1,822	14	0.8%
33.3%	1,808	1,808	1	0.1%
34.6%	1,784	1,801	17	0.9%
35.8%	1,754	1,794	40	2.3%
37.0%	1,751	1,785	33	1.9%
38.3%	1,745	1,768	23	1.3%
39.5%	1,742	1,760	18	1.0%
40.7%	1,739	1,751	12	0.7%
42.0%	1,663	1,742	79	4.8%
43.2%	1,630	1,706	76	4.7%
44.4%	1,625	1,684	59	3.6%
45.7%	1,620	1,663	43	2.6%
46.9%	1,606	1,638	32	2.0%
48.1%	1,581	1,635	54	3.4%
49.4%	1,578	1,627	49	3.1%
50.6%	1,567	1,589	23	1.4%
51.9%	1,531	1,549	18	1.2%
53.1%	1,492	1,547	55	3.7%
54.3%	1,472	1,530	58	3.9%
55.6%	1,468	1,475	6	0.4%
56.8%	1,423	1,446	23	1.6%
58.0%	1,381	1,440	59	4.2%
59.3%	1,354	1,435	81	6.0%
60.5%	1,337	1,426	90	6.7%
61.7%	1,332	1,423	91	6.8%
63.0%	1,328	1,397	69	5.2%
64.2%	1,313	1,379	67	5.1%
65.4%	1,294	1,343	48	3.7%
66.7%	1,284	1,341	56	4.4%
67.9%	1,263	1,335	72	5.7%
69.1%	1,231	1,325	94	7.6%
70.4%	1,228	1,322	94	7.7%
71.6%	1,224	1,291	67	5.4%
72.8%	1,209	1,264	55	4.6%
74.1%	1,163	1,262	99	8.5%
75.3%	1,131	1,238	108	9.5%
76.5%	1,113	1,187	75	6.7%
77.8%	1,098	1,185	87	8.0%
79.0%	1,090	1,079	-11	-1.0%
80.2%	996	1,076	80	8.0%
81.5%	973	1,016	43	4.4%
82.7%	954	1,007	52	5.5%
84.0%	950	1,006	56	5.9%
85.2%	843	964	121	14.4%
86.4%	833	941	108	13.0%
87.7%	792	855	63	7.9%
88.9%	704	776	72	10.2%
90.1%	694	694	0	0.0%
91.4%	671	679	8	1.1%
92.6%	654	653	-1	-0.1%
93.8%	571	635	64	11.2%
95.1%	528	561	33	6.2%
96.3%	383	540	157	41.1%
97.5%	347	462	115	33.1%
98.8%	327	444	117	35.9%
100.0%	300	383	83	27.8%

Table SW-01-3b

Trinity Lake, End of Month Storage
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)
	End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)		
0.0%	2,208	2,208	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,420	2,420	0	0.0%
1.2%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,420	2,420	0	0.0%
2.5%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,420	2,420	0	0.0%
3.7%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,420	2,420	0	0.0%
4.9%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,411	2,411	0	0.0%
6.2%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,410	2,410	0	0.0%
7.4%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,386	2,384	-2	-0.1%
8.6%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,384	2,384	0	0.0%
9.9%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,300	2,300	0	0.0%	2,330	2,340	10	0.4%
11.1%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,290	2,300	10	0.4%	2,325	2,328	3	0.1%
12.3%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,283	2,288	5	0.2%	2,323	2,325	2	0.1%
13.6%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,283	2,283	0	0.0%	2,321	2,324	3	0.1%
14.8%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,278	2,282	4	0.2%	2,318	2,321	2	0.1%
16.0%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,276	2,278	2	0.1%	2,318	2,318	0	0.0%
17.3%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,269	2,276	7	0.3%	2,310	2,317	6	0.3%
18.5%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,266	2,267	2	0.1%	2,301	2,316	16	0.7%
19.8%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,263	2,266	2	0.1%	2,292	2,310	19	0.8%
21.0%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,261	2,265	4	0.2%	2,276	2,301	25	1.1%
22.2%	2,000	2,000	0	0.0%	2,100	2,100	0	0.0%	2,259	2,257	-2	-0.1%	2,274	2,292	18	0.8%
23.5%	1,991	2,000	9	0.5%	2,100	2,100	0	0.0%	2,241	2,254	13	0.6%	2,272	2,284	12	0.5%
24.7%	1,988	1,991	3	0.2%	2,100	2,100	0	0.0%	2,234	2,251	17	0.8%	2,234	2,272	37	1.7%
25.9%	1,985	1,988	3	0.1%	2,100	2,100	0	0.0%	2,226	2,249	23	1.1%	2,229	2,264	35	1.6%
27.2%	1,957	1,985	28	1.4%	2,100	2,100	0	0.0%	2,225	2,234	9	0.4%	2,221	2,234	13	0.6%
28.4%	1,955	1,959	4	0.2%	2,100	2,100	0	0.0%	2,218	2,229	10	0.5%	2,215	2,214	-1	0.0%
29.6%	1,935	1,957	22	1.1%	2,100	2,100	0	0.0%	2,218	2,225	8	0.3%	2,214	2,213	-1	0.0%
30.9%	1,914	1,956	42	2.2%	2,079	2,100	21	1.0%	2,214	2,225	11	0.5%	2,185	2,185	0	0.0%
32.1%	1,880	1,950	70	3.7%	2,078	2,100	22	1.1%	2,208	2,218	10	0.5%	2,183	2,183	0	0.0%
33.3%	1,876	1,948	72	3.8%	2,076	2,079	2	0.1%	2,205	2,218	12	0.6%	2,173	2,173	0	0.0%
34.6%	1,875	1,919	44	2.4%	2,069	2,076	7	0.3%	2,191	2,205	14	0.6%	2,163	2,164	1	0.1%
35.8%	1,859	1,896	37	2.0%	2,054	2,074	20	1.0%	2,190	2,191	1	0.0%	2,162	2,163	1	0.0%
37.0%	1,853	1,875	22	1.2%	2,008	2,054	46	2.3%	2,161	2,189	27	1.3%	2,158	2,157	-1	0.0%
38.3%	1,853	1,871	18	1.0%	1,983	2,051	67	3.4%	2,153	2,166	12	0.6%	2,077	2,094	16	0.8%
39.5%	1,837	1,835	-2	-0.1%	1,955	2,000	45	2.3%	2,149	2,161	12	0.6%	2,061	2,077	17	0.8%
40.7%	1,828	1,824	-3	-0.2%	1,946	1,995	49	2.5%	2,117	2,156	39	1.8%	2,039	2,075	36	1.7%
42.0%	1,784	1,815	30	1.7%	1,933	1,983	50	2.6%	2,101	2,127	25	1.2%	2,033	2,061	28	1.4%
43.2%	1,778	1,800	22	1.2%	1,915	1,967	52	2.7%	2,095	2,109	14	0.7%	1,997	2,031	35	1.7%
44.4%	1,766	1,796	30	1.7%	1,893	1,951	58	3.1%	2,063	2,103	40	1.9%	1,992	2,021	29	1.5%
45.7%	1,761	1,794	33	1.9%	1,892	1,907	15	0.8%	2,059	2,094	36	1.7%	1,987	2,016	29	1.5%
46.9%	1,739	1,781	42	2.4%	1,867	1,858	-9	-0.5%	2,052	2,059	6	0.3%	1,957	2,012	55	2.8%
48.1%	1,737	1,780	42	2.4%	1,855	1,855	0	0.0%	1,997	2,040	43	2.1%	1,955	2,000	45	2.3%
49.4%	1,737	1,752	15	0.9%	1,841	1,845	4	0.2%	1,995	2,022	27	1.4%	1,930	1,977	47	2.4%
50.6%	1,694	1,727	34	2.0%	1,826	1,828	2	0.1%	1,972	1,958	-14	-0.7%	1,911	1,937	26	1.3%
51.9%	1,685	1,694	8	0.5%	1,815	1,813	-2	-0.1%	1,967	1,954	-14	-0.7%	1,905	1,936	31	1.6%
53.1%	1,630	1,661	31	1.9%	1,788	1,804	16	0.9%	1,918	1,951	33	1.7%	1,904	1,923	19	1.0%
54.3%	1,628	1,661	32	2.0%	1,770	1,795	25	1.4%	1,913	1,944	31	1.6%	1,890	1,886	-5	-0.3%
55.6%	1,601	1,637	37	2.3%	1,754	1,782	29	1.6%	1,889	1,935	45	2.4%	1,888	1,880	-8	-0.4%
56.8%	1,592	1,634	42	2.6%	1,742	1,745	3	0.1%	1,878	1,915	36	1.9%	1,859	1,874	14	0.8%
58.0%	1,580	1,618	37	2.4%	1,741	1,737	-4	-0.2%	1,864	1,909	45	2.4%	1,840	1,866	26	1.4%
59.3%	1,524	1,597	73	4.8%	1,680	1,737	57	3.4%	1,862	1,870	8	0.4%	1,798	1,853	55	3.1%
60.5%	1,523	1,557	33	2.2%	1,646	1,735	89	5.4%	1,823	1,866	42	2.3%	1,794	1,821	27	1.5%
61.7%	1,482	1,530	48	3.2%	1,630	1,712	82	5.1%	1,811	1,851	39	2.2%	1,771	1,811	40	2.2%
63.0%	1,439	1,524	86	5.9%	1,622	1,675	53	3.2%	1,798	1,830	32	1.8%	1,756	1,793	37	2.1%
64.2%	1,428	1,517	89	6.2%	1,621	1,652	31	1.9%	1,761	1,823	61	3.5%	1,716	1,789	73	4.2%
65.4%	1,413	1,511	98	6.9%	1,615	1,613	-2	-0.1%	1,744	1,819	75	4.3%	1,696	1,743	47	2.7%
66.7%	1,404	1,459	55	3.9%	1,602	1,589	-13	-0.8%	1,707	1,760	53	3.1%	1,689	1,722	33	2.0%
67.9%	1,390	1,445	55	3.9%	1,506	1,586	80	5.3%	1,660	1,718	58	3.5%	1,673	1,718	45	2.7%
69.1%	1,385	1,442	58	4.2%	1,483	1,560	77	5.2%	1,641	1,714	74	4.5%	1,664	1,714	51	3.0%
70.4%	1,364	1,411	47	3.5%	1,444	1,527	83	5.7%	1,582	1,634	52	3.3%	1,546	1,701	154	10.0%
71.6%	1,322	1,395	72	5.5%	1,381	1,524	143	10.4%	1,571	1,634	63	4.0%	1,517	1,681	164	10.8%
72.8%	1,298	1,381	83	6.4%	1,334	1,504	170	12.8%	1,496	1,625	129	8.6%	1,491	1,598	108	7.2%
74.1%	1,233	1,339	106	8.6%	1,324	1,496	172	13.0%	1,486	1,592	106	7.1%	1,490	1,531	40	2.7%
75.3%	1,202	1,278	76	6.3%	1,294	1,364	69	5.4%	1,449	1,536	87	6.0%	1,479	1,500	21	1.4%
76.5%	1,185	1,278	93	7.8%	1,284	1,349	65	5.0%	1,416	1,506	91	6.4%	1,348	1,421	73	5.4%
77.8%	1,172	1,269	97	8.3%	1,270	1,338	67	5.3%	1,406	1,441	35	2.5%	1,339	1,397	59	4.4%
79.0%	1,155	1,254	99	8.6%	1,252	1,326	74	5.9%	1,362	1,435	73	5.3%	1,319	1,386	67	5.1%
80.2%	1,095	1,136	41	3.7%	1,221	1,310	89	7.3%	1,337	1,383	46	3.5%	1,310	1,379	69	5.3%
81.5%	1,094	1,115	21	1.9%	1,202	1,241	39	3.3%	1,316	1,362	46	3.5%	1,298	1,372	75	5.7%
82.7%	1,021	1,109	87	8.6%	1,197	1,223	26	2.2%	1,311	1,345	34	2.6%	1,255	1,347	92	7.3%
84.0%	977	1,029	52	5.3%	1,147	1,128	-19	-1.7%	1,299	1,341	42	3.2%	1,239	1,336	96	7.8%
85.2%	965	998	33	3.4%	1,066	1,117	52	4.9%	1,121	1,251	130	11.6%	1,210	1,248	38	3.1%
86.4%	924	969	44	4.8%	1,065	1,065	0	0.0%	1,118	1,157	39	3.5%	1,149	1,156	8	0.7%
87.7%	861	924	63	7.3%	951	1,060	109	11.5%	1,105	1,154	49	4.4%	1,088	1,146	57	5.3%
88.9%	834	874	40	4.8%	951	984	33	3.5%	1,096	1,126	30	2.7%	1,071	1,129	58	5.4%
90.1%	812	834	22	2.8%	864	951	86	10.0%	1,038	1,099	61	5.8%	1,051	1,056	5	0.5%
91.4%	710	782	71	10.0%	863	927	64	7.4%	1,006	1,013	8	0.8%	1,036	1,017	-19	-1.8%
92.6%	710	774	64	9.1%	848	920	73	8.6%	920	953	33	3.6%	868	927	59	6.8%
93.8%	675	683	8	1.1%	789	854	66	8.3%	887	950	62	7.0%	862	910	48	5.6%
95.1%	619	682	63	10.2%	780	808	28	3.6%	855	904	49	5.7%	848	900	52	6.2%
96.3%	469	651	183	38.9%	771	788	17	2.2%	838	892	54	6.4%	827	864	37	4.4%
97.5%	466	466	0	0.0%	528	619	91	17.3%	742	742	0	0.0%	779	779	0	0.0%
98.8%	349	466	118	33.8%	475	565	91	19.1%	615	719	104	16.8%	603	723	120	19.9%
100.0%	322	464	142	44.2%	466	528	61	13.2%	565	700	135	24.0%	588	706	118	20.0%

Table SW-01-3b
Trinity Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,401	0	0.0%
8.6%	2,397	2,397	0	0.0%
9.9%	2,367	2,391	24	1.0%
11.1%	2,353	2,367	15	0.6%
12.3%	2,349	2,351	2	0.1%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,308	-7	-0.3%
16.0%	2,304	2,304	0	0.0%
17.3%	2,304	2,303	-1	0.0%
18.5%	2,285	2,292	8	0.3%
19.8%	2,268	2,285	17	0.7%
21.0%	2,265	2,266	2	0.1%
22.2%	2,226	2,261	36	1.6%
23.5%	2,214	2,250	35	1.6%
24.7%	2,211	2,226	14	0.6%
25.9%	2,204	2,214	10	0.5%
27.2%	2,187	2,204	17	0.8%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,073	-1	0.0%
37.0%	2,043	2,067	24	1.2%
38.3%	2,018	2,037	20	1.0%
39.5%	2,012	2,020	7	0.4%
40.7%	1,950	2,001	51	2.6%
42.0%	1,947	1,978	30	1.6%
43.2%	1,918	1,972	53	2.8%
44.4%	1,917	1,933	16	0.9%
45.7%	1,896	1,918	22	1.2%
46.9%	1,881	1,917	36	1.9%
48.1%	1,874	1,889	14	0.8%
49.4%	1,859	1,885	26	1.4%
50.6%	1,840	1,861	21	1.2%
51.9%	1,806	1,830	24	1.3%
53.1%	1,789	1,826	37	2.1%
54.3%	1,780	1,814	35	1.9%
55.6%	1,772	1,807	34	1.9%
56.8%	1,765	1,803	38	2.2%
58.0%	1,739	1,799	60	3.4%
59.3%	1,731	1,787	56	3.2%
60.5%	1,711	1,771	60	3.5%
61.7%	1,705	1,724	19	1.1%
63.0%	1,688	1,720	32	1.9%
64.2%	1,675	1,713	39	2.3%
65.4%	1,645	1,700	54	3.3%
66.7%	1,631	1,684	52	3.2%
67.9%	1,630	1,666	36	2.2%
69.1%	1,608	1,666	58	3.6%
70.4%	1,571	1,632	61	3.9%
71.6%	1,483	1,610	127	8.6%
72.8%	1,465	1,548	83	5.7%
74.1%	1,455	1,537	82	5.6%
75.3%	1,435	1,507	71	5.0%
76.5%	1,326	1,485	159	12.0%
77.8%	1,285	1,350	65	5.1%
79.0%	1,267	1,318	51	4.0%
80.2%	1,250	1,302	52	4.1%
81.5%	1,246	1,282	36	2.9%
82.7%	1,246	1,266	20	1.6%
84.0%	1,239	1,265	26	2.1%
85.2%	1,184	1,254	70	5.9%
86.4%	1,183	1,223	39	3.3%
87.7%	1,088	1,145	58	5.3%
88.9%	1,062	1,118	57	5.4%
90.1%	1,006	1,011	5	0.5%
91.4%	975	957	-19	-1.9%
92.6%	855	920	65	7.6%
93.8%	827	883	56	6.8%
95.1%	822	860	38	4.6%
96.3%	788	825	37	4.6%
97.5%	784	825	41	5.3%
98.8%	722	784	62	8.5%
100.0%	600	731	131	21.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,270	9	0.4%
13.6%	2,238	2,269	30	1.4%
14.8%	2,235	2,267	31	1.4%
16.0%	2,233	2,255	22	1.0%
17.3%	2,219	2,217	-1	-0.1%
18.5%	2,216	2,216	0	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,121	-3	-0.2%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,090	19	0.9%
25.9%	2,067	2,071	4	0.2%
27.2%	2,067	2,070	3	0.1%
28.4%	2,014	2,067	54	2.7%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,956	0	0.0%
35.8%	1,931	1,955	24	1.3%
37.0%	1,926	1,926	-1	0.0%
38.3%	1,890	1,915	25	1.3%
39.5%	1,794	1,869	75	4.2%
40.7%	1,790	1,847	57	3.2%
42.0%	1,769	1,825	56	3.2%
43.2%	1,742	1,810	68	3.9%
44.4%	1,737	1,769	32	1.8%
45.7%	1,737	1,765	28	1.6%
46.9%	1,735	1,742	8	0.4%
48.1%	1,728	1,740	12	0.7%
49.4%	1,705	1,713	8	0.5%
50.6%	1,695	1,698	3	0.2%
51.9%	1,634	1,683	49	3.0%
53.1%	1,625	1,682	56	3.5%
54.3%	1,610	1,666	56	3.5%
55.6%	1,591	1,656	65	4.1%
56.8%	1,578	1,640	62	3.9%
58.0%	1,562	1,638	76	4.8%
59.3%	1,554	1,581	27	1.7%
60.5%	1,551	1,579	28	1.8%
61.7%	1,549	1,574	25	1.6%
63.0%	1,541	1,572	32	2.1%
64.2%	1,535	1,571	36	2.4%
65.4%	1,507	1,561	54	3.6%
66.7%	1,460	1,545	85	5.8%
67.9%	1,456	1,543	87	6.0%
69.1%	1,415	1,527	112	7.9%
70.4%	1,405	1,496	91	6.5%
71.6%	1,375	1,495	120	8.7%
72.8%	1,350	1,429	79	5.9%
74.1%	1,340	1,363	24	1.8%
75.3%	1,312	1,360	48	3.7%
76.5%	1,311	1,323	11	0.9%
77.8%	1,142	1,204	62	5.4%
79.0%	1,118	1,165	47	4.2%
80.2%	1,110	1,142	33	3.0%
81.5%	1,104	1,130	25	2.3%
82.7%	1,088	1,124	36	3.3%
84.0%	1,085	1,119	33	3.1%
85.2%	1,069	1,117	48	4.5%
86.4%	1,066	1,092	26	2.5%
87.7%	980	1,053	73	7.4%
88.9%	901	1,009	108	12.0%
90.1%	851	906	54	6.4%
91.4%	842	833	-9	-1.1%
92.6%	747	812	65	8.6%
93.8%	704	766	61	8.7%
95.1%	676	743	67	9.9%
96.3%	662	733	71	10.8%
97.5%	631	708	77	12.2%
98.8%	561	676	115	20.5%
100.0%	542	623	81	14.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,150	4	0.2%
14.8%	2,122	2,150	28	1.3%
16.0%	2,110	2,139	29	1.4%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,109	11	0.5%
19.8%	2,053	2,073	20	1.0%
21.0%	2,050	2,053	2	0.1%
22.2%	2,034	2,000	-34	-1.7%
23.5%	1,957	1,958	0	0.0%
24.7%	1,949	1,957	8	0.4%
25.9%	1,927	1,951	24	1.2%
27.2%	1,892	1,924	33	1.7%
28.4%	1,890	1,902	12	0.6%
29.6%	1,872	1,890	18	1.0%
30.9%	1,868	1,872	4	0.2%
32.1%	1,837	1,872	35	1.9%
33.3%	1,816	1,837	21	1.1%
34.6%	1,808	1,816	8	0.4%
35.8%	1,795	1,802	6	0.4%
37.0%	1,777	1,802	25	1.4%
38.3%	1,777	1,776	0	0.0%
39.5%	1,641	1,718	77	4.7%
40.7%	1,622	1,708	86	5.3%
42.0%	1,592	1,695	102	6.4%
43.2%	1,588	1,661	73	4.6%
44.4%	1,588	1,622	35	2.2%
45.7%	1,583	1,622	39	2.5%
46.9%	1,556	1,592	36	2.3%
48.1%	1,547	1,564	17	1.1%
49.4%	1,514	1,553	39	2.6%
50.6%	1,510	1,547	37	2.4%
51.9%	1,488	1,541	52	3.5%
53.1%	1,475	1,535	60	4.1%
54.3%	1,460	1,532	71	4.9%
55.6%	1,424	1,495	71	5.0%
56.8%	1,414	1,487	73	5.2%
58.0%	1,386	1,470	84	6.0%
59.3%	1,383	1,467	84	6.1%
60.5%	1,376	1,462	86	6.3%
61.7%	1,372	1,411	39	2.8%
63.0%	1,370	1,406	37	2.7%
64.2%	1,333	1,399	67	5.0%
65.4%	1,324	1,393	68	5.2%
66.7%	1,306	1,392	86	6.5%
67.9%	1,241	1,378	136	11.0%
69.1%	1,241	1,337	96	7.7%
70.4%	1,237	1,324	87	7.1%
71.6%	1,223	1,308	85	6.9%
72.8%	1,207	1,292	84	7.0%
74.1%	1,180	1,231	51	4.3%
75.3%	1,177	1,193	16	1.4%
76.5%	1,172	1,111	-61	-5.2%
77.8%	1,057	1,080	23	2.2%
79.0%	1,034	1,033	-1	-0.1%
80.2%	998	1,024	27	2.7%
81.5%	988	1,023	35	3.5%
82.7%	971	1,021	50	5.2%
84.0%	968	1,017	49	5.1%
85.2%	964	1,007	42	4.4%
86.4%	924	987	63	6.8%
87.7%	863	936	72	8.4%
88.9%	816	821	5	0.6%
90.1%	728	782	54	7.4%
91.4%	636	710	74	11.7%
92.6%	632	696	64	10.2%
93.8%	616	644	28	4.5%
95.1%	592	636	43	7.3%
96.3%	500	627	127	25.5%
97.5%	446	617	171	38.5%
98.8%	436	559	123	28.2%
100.0%	357	500	143	40.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,975	0	0.0%
19.8%	1,968	1,956	-12	-0.6%
21.0%	1,867	1,933	65	3.5%
22.2%	1,866	1,867	2	0.1%
23.5%	1,820	1,857	37	2.0%
24.7%	1,810	1,842	32	1.8%
25.9%	1,784	1,820	36	2.0%
27.2%	1,778	1,781	3	0.2%
28.4%	1,764	1,776	12	0.7%
29.6%	1,746	1,765	19	1.1%
30.9%	1,731	1,764	33	1.9%
32.1%	1,691	1,757	66	3.9%
33.3%	1,681	1,721	40	2.4%
34.6%	1,672	1,689	17	1.0%
35.8%	1,659	1,672	13	0.8%
37.0%	1,635	1,653	18	1.1%
38.3%	1,632	1,632	-1	0.0%
39.5%	1,495	1,578	82	5.5%
40.7%	1,481	1,566	85	5.7%
42.0%	1,445	1,549	104	7.2%
43.2%	1,439	1,518	79	5.5%
44.4%	1,433	1,481	48	3.4%
45.7%	1,432	1,478	46	3.2%
46.9%	1,418	1,449	31	2.2%
48.1%	1,415	1,441	25	1.8%
49.4%	1,405	1,433	28	2.0%
50.6%	1,398	1,423	25	1.8%
51.9%	1,387	1,421	35	2.5%
53.1%	1,376	1,420	45	3.2%
54.3%	1,362	1,415	54	4.0%
55.6%	1,350	1,411	61	4.5%
56.8%	1,300	1,398	98	7.5%
58.0%	1,279	1,382	103	8.1%
59.3%	1,269	1,374	105	8.3%
60.5%	1,264	1,354	90	7.1%
61.7%	1,259	1,299	40	3.2%
63.0%	1,257	1,297	41	3.2%
64.2%	1,221	1,285	64	5.3%
65.4%	1,212	1,280	67	5.6%
66.7%	1,156	1,279	124	10.7%
67.9%	1,129	1,264	135	11.9%
69.1%	1,128	1,244	117	10.3%
70.4%	1,126	1,196	70	6.3%
71.6%	1,110	1,177	67	6.0%
72.8%	1,108	1,141	33	3.0%
74.1%	1,100	1,116	16	1.5%
75.3%	1,069	1,109	40	3.8%
76.5%	1,015	1,029	13	1.3%
77.8%	989	1,012	23	2.3%
79.0%	962	976	14	1.5%
80.2%	912	943	30	3.3%
81.5%	902	937	36	4.0%
82.7%	889	935	46	5.2%
84.0%	886	934	48	5.4%
85.2%	883	925	42	4.8%
86.4%	840	902	63	7.5%
87.7%	782	854	72	9.2%
88.9%	733	753	20	2.7%
90.1%	641	660	19	2.9%
91.4%	597	623	26	4.3%
92.6%	596	602	7	1.1%
93.8%	500	597	97	19.4%
95.1%	499	579	80	16.1%
96.3%	459	569	110	23.9%
97.5%	406	530	124	30.6%
98.8%	374	519	145	38.7%
100.0%	240	430	190	79.0%

Table SW-02-3a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative A	2,284	2,286	2,290	2,296	2,306	2,316	2,327	2,327	2,324	2,313	2,301	2,291
Difference	6	6	6	5	4	3	3	3	3	3	5	5
Percent Difference[3]	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative A	2,324	2,325	2,326	2,325	2,339	2,348	2,358	2,360	2,358	2,350	2,342	2,333
Difference	1	2	1	2	1	1	0	0	0	0	1	1
Percent Difference	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative A	2,310	2,310	2,312	2,306	2,320	2,335	2,346	2,346	2,345	2,336	2,325	2,315
Difference	5	5	5	8	7	6	5	5	5	4	4	5
Percent Difference	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative A	2,279	2,282	2,289	2,285	2,293	2,301	2,317	2,316	2,313	2,302	2,291	2,281
Difference	4	4	3	4	4	4	4	4	4	4	4	5
Percent Difference	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Dry (22%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative A	2,266	2,267	2,277	2,287	2,295	2,307	2,319	2,315	2,310	2,296	2,282	2,272
Difference	7	7	7	5	4	3	3	3	3	3	5	6
Percent Difference	0.3%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative A	2,207	2,210	2,214	2,248	2,253	2,261	2,268	2,266	2,264	2,249	2,231	2,219
Difference	18	20	16	7	7	6	6	6	6	9	13	16
Percent Difference	0.8%	0.9%	0.7%	0.3%	0.3%	0.3%	0.2%	0.2%	0.3%	0.4%	0.6%	0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-02-3b
Trinity Lake, End of Month Elevation
Probability of Exceedance

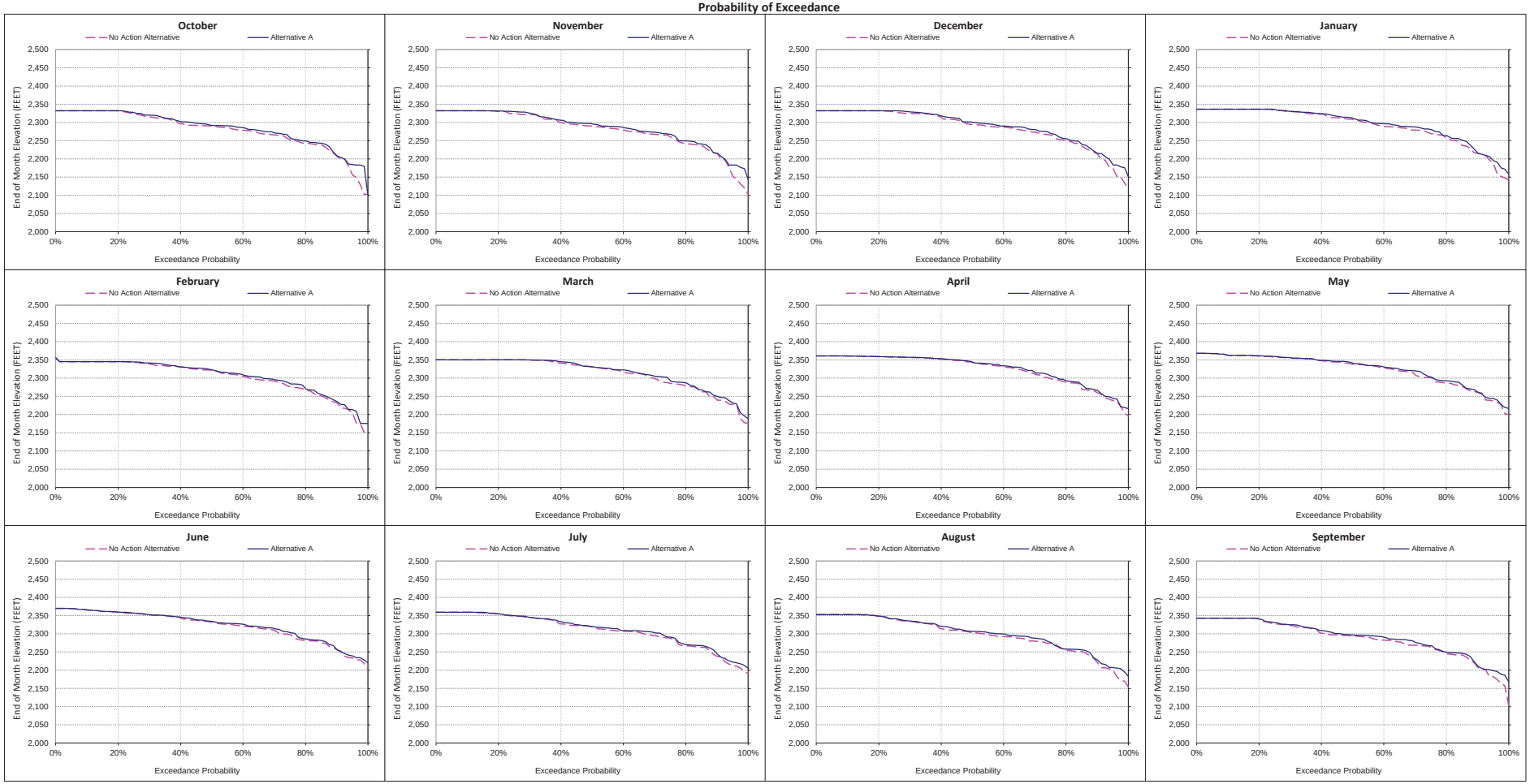

Table SW-02-3b

Trinity Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,329	2,331	2	0.1%
23.5%	2,326	2,329	2	0.1%
24.7%	2,324	2,328	4	0.2%
25.9%	2,322	2,325	3	0.1%
27.2%	2,321	2,325	4	0.2%
28.4%	2,317	2,321	3	0.1%
29.6%	2,315	2,320	5	0.2%
30.9%	2,315	2,320	5	0.2%
32.1%	2,313	2,319	7	0.3%
33.3%	2,311	2,316	5	0.2%
34.6%	2,311	2,313	1	0.1%
35.8%	2,310	2,311	1	0.0%
37.0%	2,307	2,311	4	0.2%
38.3%	2,306	2,307	0	0.0%
39.5%	2,297	2,304	7	0.3%
40.7%	2,296	2,301	5	0.2%
42.0%	2,293	2,301	9	0.4%
43.2%	2,292	2,300	8	0.4%
44.4%	2,292	2,299	7	0.3%
45.7%	2,292	2,297	5	0.2%
46.9%	2,291	2,296	5	0.2%
48.1%	2,291	2,295	5	0.2%
49.4%	2,290	2,293	3	0.1%
50.6%	2,290	2,292	1	0.1%
51.9%	2,288	2,292	4	0.2%
53.1%	2,287	2,291	4	0.2%
54.3%	2,286	2,291	5	0.2%
55.6%	2,285	2,291	5	0.2%
56.8%	2,282	2,290	9	0.4%
58.0%	2,280	2,287	8	0.3%
59.3%	2,278	2,287	8	0.4%
60.5%	2,278	2,285	7	0.3%
61.7%	2,277	2,280	3	0.1%
63.0%	2,276	2,280	4	0.2%
64.2%	2,274	2,279	5	0.2%
65.4%	2,269	2,278	8	0.4%
66.7%	2,269	2,275	6	0.3%
67.9%	2,268	2,275	6	0.3%
69.1%	2,266	2,274	8	0.4%
70.4%	2,266	2,270	5	0.2%
71.6%	2,264	2,270	6	0.3%
72.8%	2,263	2,268	5	0.2%
74.1%	2,257	2,266	9	0.4%
75.3%	2,251	2,256	5	0.2%
76.5%	2,250	2,254	3	0.1%
77.8%	2,248	2,252	4	0.2%
79.0%	2,243	2,249	6	0.3%
80.2%	2,243	2,249	6	0.3%
81.5%	2,242	2,245	3	0.1%
82.7%	2,240	2,245	5	0.2%
84.0%	2,239	2,244	5	0.2%
85.2%	2,238	2,243	5	0.2%
86.4%	2,231	2,240	9	0.4%
87.7%	2,223	2,234	10	0.5%
88.9%	2,216	2,219	3	0.1%
90.1%	2,207	2,208	2	0.1%
91.4%	2,199	2,204	5	0.2%
92.6%	2,199	2,199	0	0.0%
93.8%	2,179	2,186	7	0.3%
95.1%	2,156	2,184	29	1.3%
96.3%	2,149	2,183	34	1.6%
97.5%	2,129	2,183	53	2.5%
98.8%	2,103	2,180	77	3.7%
100.0%	2,103	2,103	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,331	2,332	0	0.0%
19.8%	2,330	2,332	1	0.1%
21.0%	2,330	2,331	1	0.0%
22.2%	2,330	2,331	1	0.0%
23.5%	2,325	2,330	5	0.2%
24.7%	2,324	2,330	6	0.3%
25.9%	2,324	2,329	5	0.2%
27.2%	2,322	2,328	7	0.3%
28.4%	2,321	2,328	7	0.3%
29.6%	2,321	2,327	5	0.2%
30.9%	2,321	2,324	3	0.1%
32.1%	2,321	2,321	0	0.0%
33.3%	2,316	2,316	0	0.0%
34.6%	2,310	2,315	5	0.2%
35.8%	2,309	2,313	4	0.2%
37.0%	2,309	2,311	2	0.1%
38.3%	2,307	2,308	1	0.0%
39.5%	2,301	2,307	6	0.3%
40.7%	2,298	2,305	7	0.3%
42.0%	2,298	2,301	3	0.1%
43.2%	2,296	2,300	5	0.2%
44.4%	2,295	2,299	5	0.2%
45.7%	2,293	2,298	5	0.2%
46.9%	2,292	2,298	6	0.3%
48.1%	2,291	2,297	7	0.3%
49.4%	2,291	2,297	6	0.3%
50.6%	2,289	2,295	6	0.3%
51.9%	2,288	2,294	6	0.3%
53.1%	2,287	2,290	3	0.1%
54.3%	2,286	2,290	3	0.1%
55.6%	2,284	2,290	6	0.3%
56.8%	2,283	2,289	6	0.3%
58.0%	2,282	2,289	7	0.3%
59.3%	2,279	2,288	9	0.4%
60.5%	2,278	2,285	6	0.3%
61.7%	2,276	2,284	8	0.3%
63.0%	2,275	2,281	6	0.3%
64.2%	2,274	2,279	5	0.2%
65.4%	2,274	2,276	2	0.1%
66.7%	2,271	2,276	5	0.2%
67.9%	2,268	2,274	6	0.3%
69.1%	2,268	2,273	6	0.2%
70.4%	2,267	2,273	6	0.3%
71.6%	2,266	2,271	5	0.2%
72.8%	2,265	2,269	4	0.2%
74.1%	2,265	2,269	4	0.2%
75.3%	2,260	2,267	8	0.3%
76.5%	2,255	2,263	7	0.3%
77.8%	2,247	2,250	3	0.1%
79.0%	2,243	2,249	6	0.3%
80.2%	2,241	2,249	8	0.4%
81.5%	2,241	2,249	8	0.4%
82.7%	2,239	2,247	8	0.4%
84.0%	2,238	2,242	4	0.2%
85.2%	2,237	2,241	5	0.2%
86.4%	2,229	2,238	9	0.4%
87.7%	2,221	2,231	10	0.5%
88.9%	2,218	2,217	-1	0.0%
90.1%	2,215	2,215	0	0.0%
91.4%	2,199	2,207	8	0.4%
92.6%	2,197	2,199	1	0.1%
93.8%	2,176	2,183	7	0.3%
95.1%	2,153	2,183	30	1.4%
96.3%	2,143	2,183	40	1.9%
97.5%	2,131	2,177	45	2.1%
98.8%	2,120	2,173	53	2.5%
100.0%	2,103	2,143	40	1.9%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.1%
23.5%	2,331	2,332	1	0.1%
24.7%	2,329	2,332	3	0.1%
25.9%	2,327	2,332	5	0.2%
27.2%	2,326	2,331	5	0.2%
28.4%	2,325	2,331	6	0.2%
29.6%	2,325	2,330	5	0.2%
30.9%	2,324	2,328	4	0.2%
32.1%	2,324	2,328	3	0.1%
33.3%	2,324	2,327	3	0.1%
34.6%	2,324	2,325	2	0.1%
35.8%	2,324	2,324	1	0.0%
37.0%	2,323	2,322	-1	0.0%
38.3%	2,318	2,322	4	0.2%
39.5%	2,317	2,320	3	0.1%
40.7%	2,309	2,316	7	0.3%
42.0%	2,309	2,314	5	0.2%
43.2%	2,309	2,314	5	0.2%
44.4%	2,308	2,312	4	0.2%
45.7%	2,306	2,312	6	0.3%
46.9%	2,301	2,302	1	0.1%
48.1%	2,297	2,301	5	0.2%
49.4%	2,295	2,301	7	0.3%
50.6%	2,294	2,300	6	0.3%
51.9%	2,293	2,299	6	0.2%
53.1%	2,293	2,298	5	0.2%
54.3%	2,290	2,296	6	0.3%
55.6%	2,289	2,296	7	0.3%
56.8%	2,288	2,294	6	0.3%
58.0%	2,287	2,292	5	0.2%
59.3%	2,287	2,290	3	0.1%
60.5%	2,287	2,290	3	0.1%
61.7%	2,285	2,289	4	0.2%
63.0%	2,285	2,288	3	0.1%
64.2%	2,281	2,288	7	0.3%
65.4%	2,280	2,288	8	0.4%
66.7%	2,278	2,286	8	0.4%
67.9%	2,278	2,282	4	0.2%
69.1%	2,274	2,281	7	0.3%
70.4%	2,273	2,280	7	0.3%
71.6%	2,270	2,276	6	0.3%
72.8%	2,268	2,276	8	0.3%
74.1%	2,267	2,275	8	0.3%
75.3%	2,265	2,269	4	0.2%
76.5%	2,256	2,267	11	0.5%
77.8%	2,253	2,260	7	0.3%
79.0%	2,253	2,256	4	0.2%
80.2%	2,249	2,255	6	0.3%
81.5%	2,248	2,251	3	0.1%
82.7%	2,243	2,249	6	0.3%
84.0%	2,243	2,249	6	0.3%
85.2%	2,234	2,239	5	0.2%
86.4%	2,228	2,237	9	0.4%
87.7%	2,223	2,229	6	0.3%
88.9%	2,219	2,222	3	0.1%
90.1%	2,213	2,215	2	0.1%
91.4%	2,199	2,214	15	0.7%
92.6%	2,196	2,206	10	0.5%
93.8%	2,178	2,199	21	1.0%
95.1%	2,174	2,183	9	0.4%
96.3%	2,152	2,183	30	1.4%
97.5%	2,151	2,178	28	1.3%
98.8%	2,133	2,176	42	2.0%
100.0%	2,118	2,151	32	1.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,337	3	0.1%
25.9%	2,333	2,333	0	0.0%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,333	2	0.1%
29.6%	2,330	2,330	0	0.0%
30.9%	2,330	2,330	1	0.0%
32.1%	2,329	2,330	1	0.1%
33.3%	2,329	2,329	0	0.0%
34.6%	2,327	2,328	1	0.1%
35.8%	2,324	2,328	3	0.1%
37.0%	2,324	2,327	3	0.1%
38.3%	2,323	2,325	2	0.1%
39.5%	2,323	2,325	1	0.1%
40.7%	2,323	2,324	1	0.0%
42.0%	2,316	2,323	7	0.3%
43.2%	2,314	2,320	6	0.3%
44.4%	2,313	2,318	5	0.2%
45.7%	2,313	2,316	4	0.2%
46.9%	2,311	2,314	3	0.1%
48.1%	2,309	2,314	5	0.2%
49.4%	2,309	2,313	4	0.2%
50.6%	2,308	2,310	2	0.1%
51.9%	2,305	2,307	2	0.1%
53.1%	2,302	2,307	5	0.2%
54.3%	2,300	2,305	5	0.2%
55.6%	2,300	2,300	1	0.0%
56.8%	2,296	2,298	2	0.1%
58.0%	2,293	2,297	5	0.2%
59.3%	2,290	2,297	7	0.3%
60.5%	2,289	2,296	8	0.3%
61.7%	2,288	2,296	8	0.3%
63.0%	2,288	2,294	6	0.3%
64.2%	2,287	2,292	6	0.2%
65.4%	2,285	2,289	4	0.2%
66.7%	2,284	2,289	5	0.2%
67.9%	2,282	2,289	6	0.3%
69.1%	2,279	2,288	9	0.4%
70.4%	2,279	2,288	9	0.4%
71.6%	2,278	2,285	6	0.3%
72.8%	2,277	2,282	6	0.2%
74.1%	2,272	2,282	10	0.4%
75.3%	2,269	2,280	11	0.5%
76.5%	2,267	2,275	7	0.3%
77.8%	2,266	2,275	9	0.4%
79.0%	2,265	2,264	-1	0.0%
80.2%	2,255	2,264	9	0.4%
81.5%	2,252	2,257	5	0.2%
82.7%	2,250	2,256	6	0.3%
84.0%	2,249	2,256	6	0.3%
85.2%	2,237	2,251	14	0.6%
86.4%	2,235	2,248	13	0.6%
87.7%	2,229	2,238	9	0.4%
88.9%	2,217	2,227	10	0.5%
90.1%	2,215	2,215	0	0.0%
91.4%	2,212	2,213	1	0.0%
92.6%	2,210	2,209	0	0.0%
93.8%	2,197	2,207	10	0.4%
95.1%	2,189	2,195	7	0.3%
96.3%	2,159	2,191	32	1.5%
97.5%	2,152	2,175	23	1.1%
98.8%	2,147	2,171	24	1.1%
100.0%	2,142	2,159	17	0.8%

Table SW-02-3b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,356	2,356	0	0.0%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,344	2,345	1	0.0%
24.7%	2,344	2,344	0	0.0%
25.9%	2,344	2,344	0	0.0%
27.2%	2,341	2,344	2	0.1%
28.4%	2,341	2,342	0	0.0%
29.6%	2,339	2,341	2	0.1%
30.9%	2,338	2,341	4	0.2%
32.1%	2,335	2,341	6	0.3%
33.3%	2,334	2,341	6	0.3%
34.6%	2,334	2,338	4	0.2%
35.8%	2,333	2,336	3	0.1%
37.0%	2,333	2,334	2	0.1%
38.3%	2,333	2,334	2	0.1%
39.5%	2,331	2,331	0	0.0%
40.7%	2,330	2,330	0	0.0%
42.0%	2,327	2,329	3	0.1%
43.2%	2,326	2,328	2	0.1%
44.4%	2,325	2,328	3	0.1%
45.7%	2,325	2,327	3	0.1%
46.9%	2,323	2,326	4	0.2%
48.1%	2,323	2,326	4	0.2%
49.4%	2,323	2,324	1	0.1%
50.6%	2,319	2,322	3	0.1%
51.9%	2,318	2,319	1	0.0%
53.1%	2,314	2,316	3	0.1%
54.3%	2,313	2,316	3	0.1%
55.6%	2,311	2,314	3	0.1%
56.8%	2,310	2,314	4	0.2%
58.0%	2,309	2,312	3	0.1%
59.3%	2,305	2,311	6	0.3%
60.5%	2,305	2,307	3	0.1%
61.7%	2,301	2,305	4	0.2%
63.0%	2,297	2,305	7	0.3%
64.2%	2,296	2,304	8	0.3%
65.4%	2,295	2,304	8	0.4%
66.7%	2,294	2,299	5	0.2%
67.9%	2,293	2,298	5	0.2%
69.1%	2,293	2,298	5	0.2%
70.4%	2,291	2,295	4	0.2%
71.6%	2,288	2,294	6	0.3%
72.8%	2,286	2,293	7	0.3%
74.1%	2,279	2,289	10	0.4%
75.3%	2,276	2,284	8	0.3%
76.5%	2,274	2,284	9	0.4%
77.8%	2,273	2,283	10	0.4%
79.0%	2,271	2,281	10	0.4%
80.2%	2,265	2,270	4	0.2%
81.5%	2,265	2,268	2	0.1%
82.7%	2,257	2,267	9	0.4%
84.0%	2,252	2,258	6	0.3%
85.2%	2,251	2,255	4	0.2%
86.4%	2,246	2,251	5	0.2%
87.7%	2,239	2,246	7	0.3%
88.9%	2,235	2,241	5	0.2%
90.1%	2,232	2,235	3	0.1%
91.4%	2,218	2,228	10	0.5%
92.6%	2,218	2,227	9	0.4%
93.8%	2,213	2,214	1	0.0%
95.1%	2,205	2,214	9	0.4%
96.3%	2,176	2,209	33	1.5%
97.5%	2,176	2,176	0	0.0%
98.8%	2,152	2,176	24	1.1%
100.0%	2,146	2,175	29	1.3%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,350	2,350	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,349	2,350	1	0.0%
32.1%	2,349	2,350	1	0.1%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,348	2,349	1	0.0%
37.0%	2,345	2,348	2	0.1%
38.3%	2,344	2,348	4	0.2%
39.5%	2,341	2,345	4	0.2%
40.7%	2,340	2,345	4	0.2%
42.0%	2,339	2,344	4	0.2%
43.2%	2,338	2,342	4	0.2%
44.4%	2,336	2,341	5	0.2%
45.7%	2,336	2,337	1	0.1%
46.9%	2,334	2,333	-1	0.0%
48.1%	2,333	2,333	0	0.0%
49.4%	2,332	2,332	0	0.0%
50.6%	2,330	2,330	0	0.0%
51.9%	2,329	2,329	0	0.0%
53.1%	2,327	2,328	1	0.1%
54.3%	2,325	2,328	2	0.1%
55.6%	2,324	2,327	2	0.1%
56.8%	2,323	2,323	0	0.0%
58.0%	2,323	2,323	0	0.0%
59.3%	2,318	2,323	5	0.2%
60.5%	2,315	2,322	8	0.3%
61.7%	2,314	2,321	7	0.3%
63.0%	2,313	2,317	4	0.2%
64.2%	2,313	2,315	3	0.1%
65.4%	2,312	2,312	0	0.0%
66.7%	2,311	2,310	-1	0.0%
67.9%	2,303	2,310	7	0.3%
69.1%	2,301	2,308	7	0.3%
70.4%	2,298	2,305	7	0.3%
71.6%	2,292	2,305	12	0.5%
72.8%	2,289	2,303	14	0.6%
74.1%	2,288	2,302	15	0.6%
75.3%	2,285	2,291	6	0.3%
76.5%	2,284	2,290	5	0.2%
77.8%	2,283	2,289	6	0.3%
79.0%	2,281	2,288	7	0.3%
80.2%	2,278	2,287	8	0.4%
81.5%	2,276	2,280	4	0.2%
82.7%	2,276	2,278	3	0.1%
84.0%	2,271	2,269	-2	-0.1%
85.2%	2,262	2,268	5	0.2%
86.4%	2,262	2,262	0	0.0%
87.7%	2,249	2,262	12	0.6%
88.9%	2,249	2,253	4	0.2%
90.1%	2,239	2,249	10	0.4%
91.4%	2,239	2,247	7	0.3%
92.6%	2,237	2,246	9	0.4%
93.8%	2,229	2,238	9	0.4%
95.1%	2,228	2,232	4	0.2%
96.3%	2,226	2,229	2	0.1%
97.5%	2,188	2,205	16	0.7%
98.8%	2,178	2,196	18	0.8%
100.0%	2,176	2,188	12	0.6%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,361	1	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,360	2,360	0	0.0%
14.8%	2,360	2,360	0	0.0%
16.0%	2,360	2,360	0	0.0%
17.3%	2,359	2,360	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,359	2,359	0	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,359	2,359	0	0.0%
23.5%	2,358	2,359	1	0.0%
24.7%	2,357	2,358	1	0.0%
25.9%	2,357	2,358	1	0.1%
27.2%	2,357	2,357	0	0.0%
28.4%	2,357	2,357	1	0.0%
29.6%	2,357	2,357	0	0.0%
30.9%	2,356	2,357	1	0.0%
32.1%	2,356	2,357	1	0.0%
33.3%	2,356	2,357	1	0.0%
34.6%	2,355	2,356	1	0.0%
35.8%	2,355	2,355	0	0.0%
37.0%	2,354	2,355	1	0.1%
38.3%	2,353	2,354	1	0.0%
39.5%	2,353	2,354	1	0.0%
40.7%	2,351	2,353	2	0.1%
42.0%	2,350	2,352	1	0.1%
43.2%	2,350	2,351	1	0.0%
44.4%	2,348	2,351	2	0.1%
45.7%	2,348	2,350	2	0.1%
46.9%	2,348	2,348	0	0.0%
48.1%	2,345	2,347	2	0.1%
49.4%	2,345	2,346	2	0.1%
50.6%	2,343	2,341	-1	-0.1%
51.9%	2,342	2,341	-1	-0.1%
53.1%	2,338	2,341	3	0.1%
54.3%	2,338	2,340	3	0.1%
55.6%	2,336	2,339	4	0.2%
56.8%	2,335	2,338	3	0.1%
58.0%	2,333	2,337	4	0.2%
59.3%	2,333	2,334	1	0.0%
60.5%	2,330	2,334	4	0.2%
61.7%	2,329	2,332	3	0.1%
63.0%	2,328	2,331	3	0.1%
64.2%	2,325	2,330	5	0.2%
65.4%	2,323	2,330	6	0.3%
66.7%	2,320	2,325	4	0.2%
67.9%	2,316	2,321	5	0.2%
69.1%	2,314	2,321	6	0.3%
70.4%	2,309	2,314	4	0.2%
71.6%	2,309	2,314	5	0.2%
72.8%	2,302	2,313	11	0.5%
74.1%	2,301	2,310	9	0.4%
75.3%	2,298	2,306	7	0.3%
76.5%	2,295	2,303	8	0.3%
77.8%	2,295	2,298	3	0.1%
79.0%	2,291	2,297	6	0.3%
80.2%	2,289	2,293	4	0.2%
81.5%	2,287	2,291	4	0.2%
82.7%	2,287	2,290	3	0.1%
84.0%	2,286	2,289	4	0.2%
85.2%	2,268	2,281	13	0.6%
86.4%	2,268	2,272	4	0.2%
87.7%	2,266	2,271	5	0.2%
88.9%	2,266	2,269	3	0.1%
90.1%	2,259	2,266	7	0.3%
91.4%	2,256	2,257	1	0.0%
92.6%	2,246	2,250	4	0.2%
93.8%	2,242	2,249	7	0.3%
95.1%	2,238	2,244	6	0.3%
96.3%	2,236	2,243	7	0.3%
97.5%	2,222	2,222	0	0.0%
98.8%	2,204	2,219	15	0.7%
100.0%	2,196	2,216	20	0.9%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	1	0.0%
11.1%	2,363	2,363	0	0.0%
12.3%	2,362	2,363	0	0.0%
13.6%	2,362	2,362	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,362	1	0.0%
19.8%	2,361	2,362	1	0.0%
21.0%	2,360	2,361	1	0.1%
22.2%	2,360	2,361	1	0.0%
23.5%	2,359	2,360	1	0.0%
24.7%	2,358	2,359	2	0.1%
25.9%	2,357	2,359	2	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,354	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,353	0	0.0%
38.3%	2,349	2,350	1	0.0%
39.5%	2,348	2,349	1	0.0%
40.7%	2,347	2,349	2	0.1%
42.0%	2,347	2,348	1	0.1%
43.2%	2,345	2,347	2	0.1%
44.4%	2,344	2,346	2	0.1%
45.7%	2,344	2,346	2	0.1%
46.9%	2,341	2,346	4	0.2%
48.1%	2,341	2,345	4	0.2%
49.4%	2,339	2,343	4	0.2%
50.6%	2,337	2,340	2	0.1%
51.9%	2,337	2,340	3	0.1%
53.1%	2,337	2,338	2	0.1%
54.3%	2,336	2,335	0	0.0%
55.6%	2,335	2,335	-1	0.0%
56.8%	2,333	2,334	1	0.1%
58.0%	2,331	2,334	2	0.1%
59.3%	2,328	2,333	5	0.2%
60.5%	2,328	2,330	2	0.1%
61.7%	2,326	2,329	3	0.1%
63.0%	2,324	2,327	3	0.1%
64.2%	2,321	2,327	6	0.3%
65.4%	2,319	2,323	4	0.2%
66.7%	2,319	2,321	3	0.1%
67.9%	2,317	2,321	4	0.2%
69.1%	2,316	2,321	4	0.2%
70.4%	2,306	2,320	13	0.6%
71.6%	2,304	2,318	14	0.6%
72.8%	2,302	2,311	9	0.4%
74.1%	2,302	2,305	3	0.1%
75.3%	2,301	2,303	2	0.1%
76.5%	2,290	2,296	6	0.3%
77.8%	2,289	2,294	5	0.2%
79.0%	2,287	2,293	6	0.2%
80.2%	2,287	2,292	6	0.3%
81.5%	2,286	2,292	6	0.3%
82.7%	2,282	2,290	8	0.4%
84.0%	2,280	2,289	9	0.4%
85.2%	2,277	2,281	4	0.2%
86.4%	2,271	2,272	1	0.0%
87.7%	2,265	2,271	6	0.3%
88.9%	2,263	2,269	6	0.3%
90.1%	2,261	2,261	1	0.0%
91.4%	2,259	2,257	-2	-0.1%
92.6%	2,240	2,247	7	0.3%
93.8%	2,239	2,245	6	0.2%
95.1%	2,237	2,244	6	0.3%
96.3%	2,234	2,239	5	0.2%
97.5%	2,227	2,227	0	0.0%
98.8%	2,202	2,219	17	0.8%
100.0%	2,200	2,217	17	0.8%

Table SW-02-3b

Trinity Lake, End of Month Elevation
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,370	2,370	0	0.0%
1.2%	2,370	2,370	0	0.0%
2.5%	2,370	2,370	0	0.0%
3.7%	2,370	2,370	0	0.0%
4.9%	2,369	2,369	0	0.0%
6.2%	2,369	2,369	0	0.0%
7.4%	2,367	2,367	0	0.0%
8.6%	2,367	2,367	0	0.0%
9.9%	2,365	2,366	1	0.1%
11.1%	2,364	2,365	1	0.0%
12.3%	2,364	2,364	0	0.0%
13.6%	2,363	2,363	0	0.0%
14.8%	2,362	2,361	0	0.0%
16.0%	2,361	2,361	0	0.0%
17.3%	2,361	2,361	0	0.0%
18.5%	2,360	2,361	0	0.0%
19.8%	2,359	2,360	1	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,357	2,359	2	0.1%
23.5%	2,356	2,358	2	0.1%
24.7%	2,356	2,357	1	0.0%
25.9%	2,356	2,356	1	0.0%
27.2%	2,355	2,356	1	0.0%
28.4%	2,353	2,355	2	0.1%
29.6%	2,353	2,353	0	0.0%
30.9%	2,352	2,352	0	0.0%
32.1%	2,351	2,351	0	0.0%
33.3%	2,351	2,351	0	0.0%
34.6%	2,350	2,350	0	0.0%
35.8%	2,349	2,349	0	0.0%
37.0%	2,347	2,349	1	0.1%
38.3%	2,346	2,347	1	0.0%
39.5%	2,346	2,346	0	0.0%
40.7%	2,341	2,345	4	0.2%
42.0%	2,341	2,343	3	0.1%
43.2%	2,338	2,343	5	0.2%
44.4%	2,338	2,339	1	0.1%
45.7%	2,336	2,338	2	0.1%
46.9%	2,335	2,338	3	0.1%
48.1%	2,334	2,336	1	0.1%
49.4%	2,333	2,335	2	0.1%
50.6%	2,331	2,333	2	0.1%
51.9%	2,328	2,331	2	0.1%
53.1%	2,327	2,330	3	0.1%
54.3%	2,326	2,329	3	0.1%
55.6%	2,326	2,329	3	0.1%
56.8%	2,325	2,328	3	0.1%
58.0%	2,323	2,328	5	0.2%
59.3%	2,322	2,327	5	0.2%
60.5%	2,320	2,326	5	0.2%
61.7%	2,320	2,322	2	0.1%
63.0%	2,318	2,321	3	0.1%
64.2%	2,317	2,321	3	0.1%
65.4%	2,315	2,319	5	0.2%
66.7%	2,314	2,318	4	0.2%
67.9%	2,314	2,317	3	0.1%
69.1%	2,312	2,317	5	0.2%
70.4%	2,309	2,314	5	0.2%
71.6%	2,301	2,312	11	0.5%
72.8%	2,300	2,307	7	0.3%
74.1%	2,299	2,306	7	0.3%
75.3%	2,297	2,303	6	0.3%
76.5%	2,288	2,301	13	0.6%
77.8%	2,284	2,290	5	0.2%
79.0%	2,283	2,287	5	0.2%
80.2%	2,281	2,286	5	0.2%
81.5%	2,281	2,284	4	0.2%
82.7%	2,281	2,283	2	0.1%
84.0%	2,280	2,282	3	0.1%
85.2%	2,274	2,281	7	0.3%
86.4%	2,274	2,278	4	0.2%
87.7%	2,265	2,271	6	0.3%
88.9%	2,262	2,268	6	0.3%
90.1%	2,256	2,256	1	0.0%
91.4%	2,252	2,250	-2	-0.1%
92.6%	2,238	2,246	8	0.3%
93.8%	2,234	2,242	7	0.3%
95.1%	2,234	2,239	5	0.2%
96.3%	2,229	2,234	5	0.2%
97.5%	2,228	2,234	6	0.3%
98.8%	2,219	2,228	9	0.4%
100.0%	2,202	2,221	19	0.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,359	0	0.0%
1.2%	2,359	2,359	0	0.0%
2.5%	2,359	2,359	0	0.0%
3.7%	2,359	2,359	0	0.0%
4.9%	2,359	2,359	0	0.0%
6.2%	2,359	2,359	0	0.0%
7.4%	2,359	2,359	0	0.0%
8.6%	2,359	2,359	0	0.0%
9.9%	2,359	2,359	0	0.0%
11.1%	2,359	2,359	0	0.0%
12.3%	2,359	2,359	0	0.0%
13.6%	2,358	2,359	2	0.1%
14.8%	2,358	2,359	2	0.1%
16.0%	2,357	2,359	1	0.0%
17.3%	2,357	2,357	0	0.0%
18.5%	2,357	2,357	0	0.0%
19.8%	2,355	2,355	0	0.0%
21.0%	2,354	2,354	0	0.0%
22.2%	2,352	2,351	0	0.0%
23.5%	2,350	2,351	2	0.1%
24.7%	2,349	2,350	1	0.0%
25.9%	2,349	2,349	0	0.0%
27.2%	2,349	2,349	0	0.0%
28.4%	2,346	2,349	3	0.1%
29.6%	2,346	2,346	0	0.0%
30.9%	2,344	2,344	0	0.0%
32.1%	2,343	2,343	0	0.0%
33.3%	2,342	2,342	0	0.0%
34.6%	2,341	2,341	0	0.0%
35.8%	2,339	2,341	2	0.1%
37.0%	2,339	2,339	0	0.0%
38.3%	2,336	2,338	2	0.1%
39.5%	2,327	2,334	6	0.3%
40.7%	2,327	2,332	5	0.2%
42.0%	2,325	2,330	5	0.2%
43.2%	2,323	2,329	6	0.2%
44.4%	2,323	2,325	3	0.1%
45.7%	2,323	2,325	2	0.1%
46.9%	2,322	2,323	1	0.0%
48.1%	2,322	2,323	1	0.0%
49.4%	2,320	2,321	1	0.0%
50.6%	2,319	2,319	0	0.0%
51.9%	2,314	2,318	4	0.2%
53.1%	2,313	2,318	5	0.2%
54.3%	2,312	2,317	5	0.2%
55.6%	2,310	2,316	6	0.2%
56.8%	2,309	2,314	5	0.2%
58.0%	2,308	2,314	6	0.3%
59.3%	2,307	2,309	2	0.1%
60.5%	2,307	2,309	2	0.1%
61.7%	2,307	2,309	2	0.1%
63.0%	2,306	2,309	3	0.1%
64.2%	2,306	2,309	3	0.1%
65.4%	2,303	2,308	5	0.2%
66.7%	2,299	2,306	7	0.3%
67.9%	2,299	2,306	7	0.3%
69.1%	2,295	2,305	9	0.4%
70.4%	2,295	2,302	8	0.3%
71.6%	2,292	2,302	10	0.4%
72.8%	2,290	2,297	7	0.3%
74.1%	2,289	2,291	2	0.1%
75.3%	2,287	2,291	4	0.2%
76.5%	2,287	2,288	1	0.0%
77.8%	2,270	2,276	6	0.3%
79.0%	2,268	2,272	5	0.2%
80.2%	2,267	2,270	3	0.1%
81.5%	2,266	2,269	3	0.1%
82.7%	2,265	2,268	4	0.2%
84.0%	2,265	2,268	3	0.1%
85.2%	2,263	2,268	5	0.2%
86.4%	2,263	2,265	3	0.1%
87.7%	2,253	2,261	8	0.4%
88.9%	2,244	2,256	12	0.5%
90.1%	2,238	2,244	6	0.3%
91.4%	2,236	2,235	-1	-0.1%
92.6%	2,223	2,232	9	0.4%
93.8%	2,217	2,226	9	0.4%
95.1%	2,213	2,222	10	0.4%
96.3%	2,211	2,221	10	0.5%
97.5%	2,206	2,217	11	0.5%
98.8%	2,195	2,213	18	0.8%
100.0%	2,191	2,205	14	0.6%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,353	2,353	0	0.0%
1.2%	2,353	2,353	0	0.0%
2.5%	2,353	2,353	0	0.0%
3.7%	2,353	2,353	0	0.0%
4.9%	2,353	2,353	0	0.0%
6.2%	2,353	2,353	0	0.0%
7.4%	2,353	2,353	0	0.0%
8.6%	2,353	2,353	0	0.0%
9.9%	2,353	2,353	0	0.0%
11.1%	2,353	2,353	0	0.0%
12.3%	2,353	2,353	0	0.0%
13.6%	2,353	2,353	0	0.0%
14.8%	2,352	2,353	1	0.1%
16.0%	2,351	2,352	2	0.1%
17.3%	2,350	2,351	1	0.0%
18.5%	2,350	2,351	1	0.0%
19.8%	2,348	2,349	1	0.0%
21.0%	2,348	2,348	0	0.0%
22.2%	2,347	2,345	-2	-0.1%
23.5%	2,341	2,341	0	0.0%
24.7%	2,341	2,341	1	0.0%
25.9%	2,339	2,341	2	0.1%
27.2%	2,336	2,339	3	0.1%
28.4%	2,336	2,337	1	0.0%
29.6%	2,334	2,336	2	0.1%
30.9%	2,334	2,334	0	0.0%
32.1%	2,331	2,334	3	0.1%
33.3%	2,329	2,331	2	0.1%
34.6%	2,329	2,329	1	0.0%
35.8%	2,328	2,328	1	0.0%
37.0%	2,326	2,328	2	0.1%
38.3%	2,326	2,326	0	0.0%
39.5%	2,314	2,321	7	0.3%
40.7%	2,313	2,320	7	0.3%
42.0%	2,310	2,319	9	0.4%
43.2%	2,310	2,316	6	0.3%
44.4%	2,310	2,313	3	0.1%
45.7%	2,310	2,313	3	0.1%
46.9%	2,307	2,310	3	0.1%
48.1%	2,307	2,308	1	0.1%
49.4%	2,304	2,307	3	0.1%
50.6%	2,303	2,307	3	0.1%
51.9%	2,302	2,306	4	0.2%
53.1%	2,300	2,305	5	0.2%
54.3%	2,299	2,305	6	0.3%
55.6%	2,296	2,302	6	0.3%
56.8%	2,295	2,302	6	0.3%
58.0%	2,293	2,300	7	0.3%
59.3%	2,293	2,300	7	0.3%
60.5%	2,292	2,299	7	0.3%
61.7%	2,292	2,295	3	0.1%
63.0%	2,292	2,295	3	0.1%
64.2%	2,288	2,294	6	0.2%
65.4%	2,288	2,293	6	0.3%
66.7%	2,286	2,293	7	0.3%
67.9%	2,280	2,292	12	0.5%
69.1%	2,280	2,289	9	0.4%
70.4%	2,280	2,288	8	0.4%
71.6%	2,278	2,286	8	0.4%
72.8%	2,277	2,285	8	0.4%
74.1%	2,274	2,279	5	0.2%
75.3%	2,274	2,275	2	0.1%
76.5%	2,273	2,267	-6	-0.3%
77.8%	2,262	2,264	2	0.1%
79.0%	2,259	2,259	0	0.0%
80.2%	2,255	2,258	3	0.1%
81.5%	2,254	2,258	4	0.2%
82.7%	2,252	2,257	6	0.3%
84.0%	2,251	2,257	6	0.2%
85.2%	2,251	2,256	5	0.2%
86.4%	2,246	2,253	7	0.3%
87.7%	2,239	2,248	8	0.4%
88.9%	2,233	2,233	1	0.0%
90.1%	2,220	2,228	8	0.3%
91.4%	2,207	2,218	11	0.5%
92.6%	2,206	2,216	9	0.4%
93.8%	2,204	2,208	4	0.2%
95.1%	2,201	2,207	6	0.3%
96.3%	2,183	2,206	23	1.1%
97.5%	2,172	2,204	33	1.5%
98.8%	2,170	2,195	25	1.2%
100.0%	2,154	2,183	29	1.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,343	2,343	0	0.0%
2.5%	2,343	2,343	0	0.0%
3.7%	2,343	2,343	0	0.0%
4.9%	2,343	2,343	0	0.0%
6.2%	2,343	2,343	0	0.0%
7.4%	2,343	2,343	0	0.0%
8.6%	2,343	2,343	0	0.0%
9.9%	2,343	2,343	0	0.0%
11.1%	2,343	2,343	0	0.0%
12.3%	2,343	2,343	0	0.0%
13.6%	2,343	2,343	0	0.0%
14.8%	2,343	2,343	0	0.0%
16.0%	2,343	2,343	0	0.0%
17.3%	2,343	2,343	0	0.0%
18.5%	2,343	2,343	0	0.0%
19.8%	2,342	2,341	-1	0.0%
21.0%	2,334	2,339	6	0.2%
22.2%	2,334	2,334	0	0.0%
23.5%	2,330	2,333	3	0.1%
24.7%	2,329	2,332	3	0.1%
25.9%	2,327	2,330	3	0.1%
27.2%	2,326	2,326	0	0.0%
28.4%	2,325	2,326	1	0.0%
29.6%	2,323	2,325	2	0.1%
30.9%	2,322	2,325	3	0.1%
32.1%	2,319	2,324	6	0.2%
33.3%	2,318	2,321	3	0.1%
34.6%	2,317	2,319	1	0.1%
35.8%	2,316	2,317	1	0.0%
37.0%	2,314	2,315	2	0.1%
38.3%	2,314	2,314	0	0.0%
39.5%	2,302	2,309	7	0.3%
40.7%	2,301	2,308	7	0.3%
42.0%	2,298	2,307	9	0.4%
43.2%	2,297	2,304	7	0.3%
44.4%	2,297	2,301	4	0.2%
45.7%	2,297	2,301	4	0.2%
46.9%	2,296	2,298	3	0.1%
48.1%	2,295	2,298	2	0.1%
49.4%	2,295	2,297	2	0.1%
50.6%	2,294	2,296	2	0.1%
51.9%	2,293	2,296	3	0.1%
53.1%	2,292	2,296	4	0.2%
54.3%	2,291	2,295	5	0.2%
55.6%	2,290	2,295	5	0.2%
56.8%	2,286	2,294	8	0.4%
58.0%	2,284	2,293	9	0.4%
59.3%	2,283	2,292	9	0.4%
60.5%	2,282	2,290	8	0.3%
61.7%	2,282	2,286	4	0.2%
63.0%	2,282	2,285	4	0.2%
64.2%	2,278	2,284	6	0.3%
65.4%	2,277	2,284	7	0.3%
66.7%	2,272	2,284	12	0.5%
67.9%	2,269	2,282	13	0.6%
69.1%	2,269	2,280	12	0.5%
70.4%	2,269	2,276	7	0.3%
71.6%	2,267	2,274	7	0.3%
72.8%	2,267	2,270	3	0.1%
74.1%	2,266	2,268	2	0.1%
75.3%	2,263	2,267	4	0.2%
76.5%	2,257	2,258	2	0.1%
77.8%	2,254	2,256	3	0.1%
79.0%	2,251	2,252	2	0.1%
80.2%	2,245	2,248	3	0.2%
81.5%	2,244	2,248	4	0.2%
82.7%	2,242	2,248	5	0.2%
84.0%	2,242	2,247	6	0.2%
85.2%	2,242	2,246	5	0.2%
86.4%	2,236	2,244	8	0.3%
87.7%	2,228	2,238	10	0.5%
88.9%	2,221	2,224	3	0.1%
90.1%	2,208	2,210	3	0.1%
91.4%	2,201	2,205	4	0.2%
92.6%	2,201	2,202	1	0.0%
93.8%	2,183	2,201	19	0.9%
95.1%	2,182	2,199	16	0.7%
96.3%	2,174	2,197	22	1.0%
97.5%	2,164	2,189	25	1.2%
98.8%	2,157	2,187	29	1.4%
100.0%	2,103	2,168	66	3.1%

Table SW-03-3a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative A	10,872	10,938	11,214	11,535	12,093	12,695	13,388	13,358	13,191	12,534	11,840	11,228
Difference	291	302	280	244	225	188	169	170	171	198	247	273
Percent Difference[3]	2.8%	2.8%	2.6%	2.2%	1.9%	1.5%	1.3%	1.3%	1.3%	1.6%	2.1%	2.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative A	13,141	13,195	13,264	13,218	13,970	14,536	15,248	15,383	15,284	14,760	14,245	13,616
Difference	76	84	75	101	79	44	31	28	28	29	28	44
Percent Difference	0.6%	0.6%	0.6%	0.8%	0.6%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative A	12,322	12,309	12,473	12,136	12,905	13,749	14,491	14,531	14,423	13,852	13,233	12,613
Difference	293	312	332	394	370	332	305	293	297	258	280	330
Percent Difference	2.4%	2.6%	2.7%	3.4%	2.9%	2.5%	2.2%	2.1%	2.1%	1.9%	2.2%	2.7%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative A	10,505	10,686	11,094	10,965	11,368	11,872	12,768	12,722	12,524	11,899	11,217	10,642
Difference	253	255	206	270	255	241	209	206	207	249	280	291
Percent Difference	2.5%	2.4%	1.9%	2.5%	2.3%	2.1%	1.7%	1.6%	1.7%	2.1%	2.6%	2.8%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative A	9,691	9,760	10,358	11,041	11,492	12,162	12,842	12,615	12,320	11,505	10,673	10,041
Difference	371	382	370	249	230	171	144	162	162	164	290	325
Percent Difference	4.0%	4.1%	3.7%	2.3%	2.0%	1.4%	1.1%	1.3%	1.3%	1.4%	2.8%	3.3%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative A	6,706	6,738	6,939	8,695	8,961	9,409	9,798	9,655	9,511	8,680	7,719	7,136
Difference	683	698	626	364	355	322	323	321	323	497	582	614
Percent Difference	11.3%	11.6%	9.9%	4.4%	4.1%	3.5%	3.4%	3.4%	3.5%	6.1%	8.2%	9.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-03-3b
Trinity Lake, End of Month Area
Probability of Exceedance

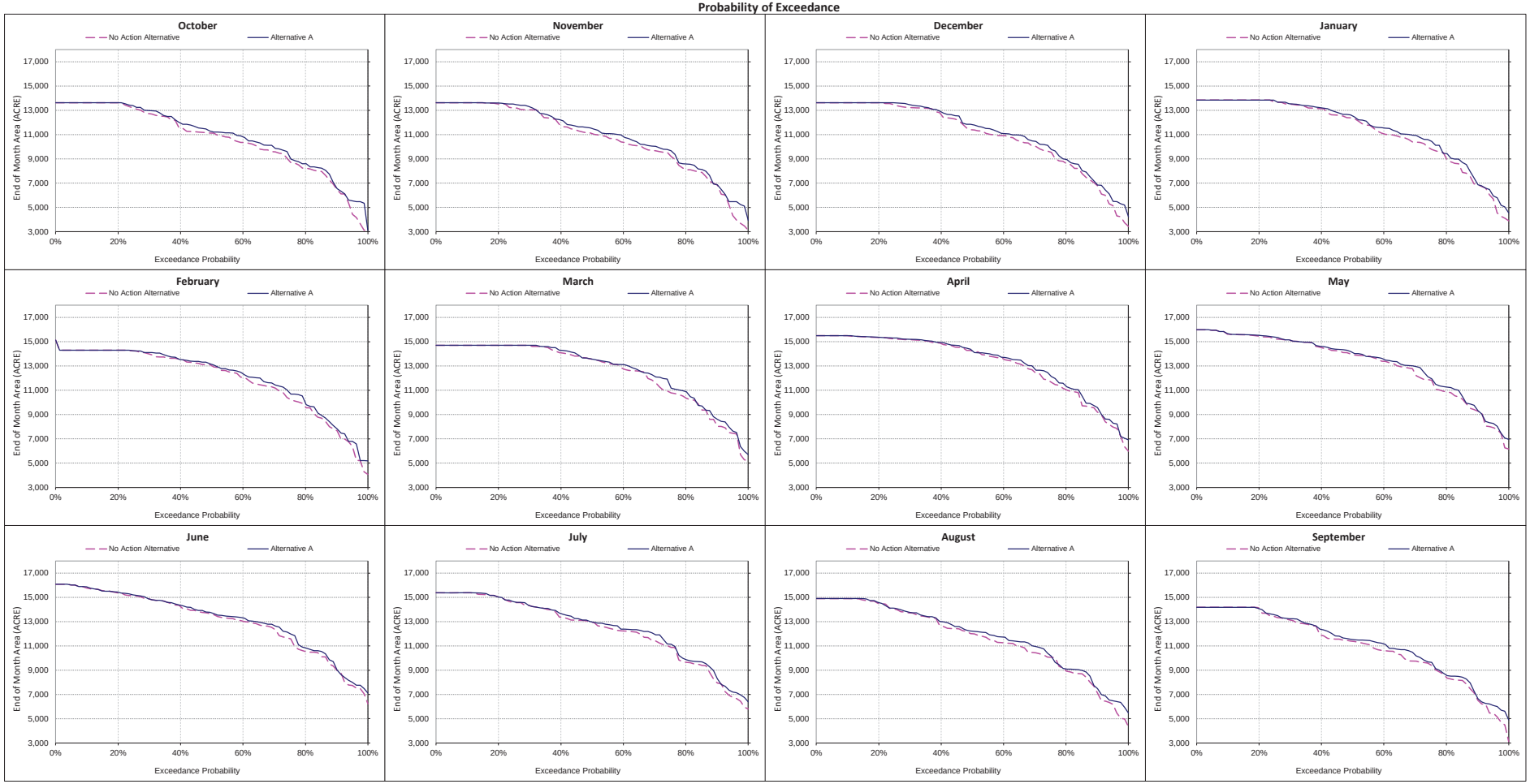

Table SW-03-3b
Trinity Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,537	104	0.8%
23.5%	13,316	13,433	117	0.9%
24.7%	13,198	13,391	192	1.5%
25.9%	13,095	13,233	139	1.1%
27.2%	13,015	13,233	218	1.7%
28.4%	12,826	13,008	182	1.4%
29.6%	12,735	12,978	243	1.9%
30.9%	12,689	12,964	276	2.2%
32.1%	12,584	12,946	362	2.9%
33.3%	12,522	12,785	263	2.1%
34.6%	12,513	12,584	71	0.6%
35.8%	12,455	12,492	37	0.3%
37.0%	12,208	12,491	283	2.3%
38.3%	12,186	12,205	19	0.2%
39.5%	11,561	12,008	447	3.9%
40.7%	11,512	11,861	349	3.0%
42.0%	11,274	11,853	579	5.1%
43.2%	11,257	11,795	538	4.8%
44.4%	11,243	11,685	442	3.9%
45.7%	11,209	11,560	351	3.1%
46.9%	11,188	11,512	324	2.9%
48.1%	11,159	11,464	305	2.7%
49.4%	11,129	11,300	171	1.5%
50.6%	11,119	11,206	86	0.8%
51.9%	10,941	11,202	261	2.4%
53.1%	10,897	11,180	283	2.6%
54.3%	10,807	11,146	339	3.1%
55.6%	10,780	11,145	365	3.4%
56.8%	10,560	11,119	559	5.3%
58.0%	10,448	10,932	484	4.6%
59.3%	10,357	10,877	520	5.0%
60.5%	10,355	10,764	409	3.9%
61.7%	10,290	10,482	192	1.9%
63.0%	10,214	10,478	264	2.6%
64.2%	10,075	10,392	318	3.2%
65.4%	9,799	10,310	512	5.2%
66.7%	9,746	10,135	389	4.0%
67.9%	9,736	10,117	380	3.9%
69.1%	9,601	10,109	508	5.3%
70.4%	9,570	9,861	291	3.0%
71.6%	9,472	9,825	354	3.7%
72.8%	9,431	9,721	290	3.1%
74.1%	9,054	9,610	556	6.1%
75.3%	8,699	8,973	275	3.2%
76.5%	8,658	8,850	192	2.2%
77.8%	8,507	8,761	254	3.0%
79.0%	8,242	8,602	359	4.4%
80.2%	8,231	8,591	359	4.4%
81.5%	8,169	8,342	173	2.1%
82.7%	8,058	8,337	279	3.5%
84.0%	7,986	8,275	289	3.6%
85.2%	7,965	8,224	260	3.3%
86.4%	7,642	8,066	424	5.5%
87.7%	7,259	7,747	488	6.7%
88.9%	6,913	7,048	135	1.9%
90.1%	6,463	6,535	72	1.1%
91.4%	6,120	6,337	218	3.6%
92.6%	6,101	6,120	18	0.3%
93.8%	5,334	5,598	264	5.0%
95.1%	4,426	5,530	1,104	24.9%
96.3%	4,168	5,471	1,304	31.3%
97.5%	3,652	5,471	1,820	49.8%
98.8%	3,120	5,350	2,230	71.5%
100.0%	3,120	3,120	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,604	13,609	5	0.0%
17.3%	13,596	13,604	8	0.1%
18.5%	13,579	13,603	23	0.2%
19.8%	13,525	13,596	70	0.5%
21.0%	13,525	13,579	55	0.4%
22.2%	13,512	13,547	35	0.3%
23.5%	13,242	13,530	287	2.2%
24.7%	13,192	13,516	324	2.5%
25.9%	13,188	13,461	272	2.1%
27.2%	13,070	13,423	353	2.7%
28.4%	13,049	13,413	364	2.8%
29.6%	13,047	13,327	279	2.1%
30.9%	13,041	13,208	167	1.3%
32.1%	13,037	13,034	-3	0.0%
33.3%	12,746	12,746	0	0.0%
34.6%	12,406	12,696	291	2.3%
35.8%	12,369	12,620	251	2.0%
37.0%	12,344	12,500	156	1.3%
38.3%	12,237	12,281	44	0.4%
39.5%	11,839	12,234	395	3.3%
40.7%	11,648	12,130	482	4.1%
42.0%	11,625	11,828	203	1.7%
43.2%	11,476	11,796	320	2.8%
44.4%	11,422	11,722	300	2.6%
45.7%	11,296	11,634	338	3.0%
46.9%	11,214	11,632	418	3.7%
48.1%	11,152	11,598	446	4.0%
49.4%	11,137	11,560	423	3.8%
50.6%	11,023	11,438	415	3.8%
51.9%	10,970	11,362	392	3.6%
53.1%	10,910	11,114	205	1.9%
54.3%	10,861	11,083	222	2.0%
55.6%	10,688	11,071	383	3.6%
56.8%	10,669	11,054	385	3.6%
58.0%	10,585	11,013	428	4.0%
59.3%	10,396	10,980	584	5.6%
60.5%	10,347	10,749	402	3.9%
61.7%	10,202	10,680	478	4.7%
63.0%	10,123	10,523	400	3.9%
64.2%	10,089	10,412	323	3.2%
65.4%	10,075	10,201	126	1.2%
66.7%	9,874	10,177	303	3.1%
67.9%	9,737	10,102	364	3.7%
69.1%	9,707	10,050	343	3.5%
70.4%	9,663	10,029	366	3.8%
71.6%	9,598	9,913	315	3.3%
72.8%	9,542	9,788	247	2.6%
74.1%	9,539	9,766	227	2.4%
75.3%	9,203	9,664	460	5.0%
76.5%	8,953	9,372	419	4.7%
77.8%	8,470	8,658	188	2.2%
79.0%	8,245	8,593	348	4.2%
80.2%	8,103	8,585	482	6.0%
81.5%	8,101	8,565	463	5.7%
82.7%	8,011	8,479	468	5.8%
84.0%	7,943	8,160	217	2.7%
85.2%	7,882	8,123	240	3.1%
86.4%	7,546	7,970	425	5.6%
87.7%	7,155	7,643	488	6.8%
88.9%	6,983	6,934	-49	-0.7%
90.1%	6,840	6,858	18	0.3%
91.4%	6,081	6,474	393	6.5%
92.6%	6,031	6,081	50	0.8%
93.8%	5,218	5,471	254	4.9%
95.1%	4,329	5,471	1,143	26.4%
96.3%	3,940	5,471	1,531	38.9%
97.5%	3,686	5,234	1,547	42.0%
98.8%	3,471	5,104	1,632	47.0%
100.0%	3,120	3,940	820	26.3%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,625	70	0.5%
24.7%	13,478	13,625	147	1.1%
25.9%	13,373	13,613	240	1.8%
27.2%	13,304	13,581	276	2.1%
28.4%	13,254	13,560	305	2.3%
29.6%	13,234	13,483	249	1.9%
30.9%	13,214	13,419	205	1.6%
32.1%	13,198	13,375	177	1.3%
33.3%	13,195	13,348	153	1.2%
34.6%	13,174	13,266	92	0.7%
35.8%	13,168	13,214	46	0.3%
37.0%	13,130	13,096	-34	-0.3%
38.3%	12,884	13,071	188	1.5%
39.5%	12,808	12,950	142	1.1%
40.7%	12,394	12,778	384	3.1%
42.0%	12,383	12,660	277	2.2%
43.2%	12,339	12,643	304	2.5%
44.4%	12,282	12,552	270	2.2%
45.7%	12,147	12,529	381	3.1%
46.9%	11,843	11,926	84	0.7%
48.1%	11,541	11,855	314	2.7%
49.4%	11,401	11,845	444	3.9%
50.6%	11,375	11,781	406	3.6%
51.9%	11,307	11,676	368	3.3%
53.1%	11,298	11,610	312	2.8%
54.3%	11,099	11,512	413	3.7%
55.6%	11,025	11,479	454	4.1%
56.8%	10,992	11,386	395	3.6%
58.0%	10,927	11,256	329	3.0%
59.3%	10,917	11,097	181	1.7%
60.5%	10,917	11,086	169	1.5%
61.7%	10,788	11,061	273	2.5%
63.0%	10,747	10,972	226	2.1%
64.2%	10,536	10,971	434	4.1%
65.4%	10,427	10,960	533	5.1%
66.7%	10,329	10,848	519	5.0%
67.9%	10,306	10,583	277	2.7%
69.1%	10,056	10,486	430	4.3%
70.4%	10,018	10,441	423	4.2%
71.6%	9,816	10,198	383	3.9%
72.8%	9,690	10,180	490	5.1%
74.1%	9,643	10,120	477	4.9%
75.3%	9,535	9,784	249	2.6%
76.5%	9,014	9,643	628	7.0%
77.8%	8,835	9,233	398	4.5%
79.0%	8,798	9,003	206	2.3%
80.2%	8,590	8,933	343	4.0%
81.5%	8,519	8,685	165	1.9%
82.7%	8,212	8,588	376	4.6%
84.0%	8,211	8,559	348	4.2%
85.2%	7,777	8,019	242	3.1%
86.4%	7,478	7,903	424	5.7%
87.7%	7,260	7,537	277	3.8%
88.9%	7,049	7,176	127	1.8%
90.1%	6,775	6,852	77	1.1%
91.4%	6,105	6,827	723	11.8%
92.6%	5,992	6,440	448	7.5%
93.8%	5,295	6,105	809	15.3%
95.1%	5,141	5,495	354	6.9%
96.3%	4,295	5,471	1,177	27.4%
97.5%	4,228	5,293	1,065	25.2%
98.8%	3,727	5,199	1,472	39.5%
100.0%	3,434	4,228	794	23.1%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,850	141	1.0%
25.9%	13,675	13,675	0	0.0%
27.2%	13,654	13,668	14	0.1%
28.4%	13,535	13,667	132	1.0%
29.6%	13,512	13,531	19	0.1%
30.9%	13,488	13,520	32	0.2%
32.1%	13,436	13,501	65	0.5%
33.3%	13,434	13,438	4	0.0%
34.6%	13,328	13,402	74	0.6%
35.8%	13,194	13,374	180	1.4%
37.0%	13,181	13,331	149	1.1%
38.3%	13,151	13,256	105	0.8%
39.5%	13,138	13,218	79	0.6%
40.7%	13,125	13,178	54	0.4%
42.0%	12,782	13,138	357	2.8%
43.2%	12,633	12,977	343	2.7%
44.4%	12,614	12,878	264	2.1%
45.7%	12,588	12,782	193	1.5%
46.9%	12,526	12,672	146	1.2%
48.1%	12,393	12,655	263	2.1%
49.4%	12,378	12,622	244	2.0%
50.6%	12,312	12,440	128	1.0%
51.9%	12,110	12,212	102	0.8%
53.1%	11,893	12,201	308	2.6%
54.3%	11,782	12,107	325	2.8%
55.6%	11,759	11,795	36	0.3%
56.8%	11,506	11,635	129	1.1%
58.0%	11,270	11,600	329	2.9%
59.3%	11,117	11,573	456	4.1%
60.5%	11,019	11,524	505	4.6%
61.7%	10,995	11,504	509	4.6%
63.0%	10,968	11,358	390	3.6%
64.2%	10,883	11,259	376	3.5%
65.4%	10,781	11,053	273	2.5%
66.7%	10,725	11,042	317	3.0%
67.9%	10,596	11,011	415	3.9%
69.1%	10,394	10,951	557	5.4%
70.4%	10,377	10,937	559	5.4%
71.6%	10,355	10,761	406	3.9%
72.8%	10,258	10,599	341	3.3%
74.1%	9,973	10,587	614	6.2%
75.3%	9,776	10,442	666	6.8%
76.5%	9,665	10,126	462	4.8%
77.8%	9,574	10,114	540	5.6%
79.0%	9,526	9,456	-70	-0.7%
80.2%	8,906	9,436	530	5.9%
81.5%	8,756	9,042	286	3.3%
82.7%	8,629	8,977	348	4.0%
84.0%	8,601	8,975	374	4.4%
85.2%	7,885	8,695	811	10.3%
86.4%	7,818	8,542	723	9.3%
87.7%	7,541	7,966	424	5.6%
88.9%	6,942	7,430	488	7.0%
90.1%	6,872	6,872	0	0.0%
91.4%	6,720	6,772	52	0.8%
92.6%	6,599	6,595	-4	-0.1%
93.8%	6,033	6,475	442	7.3%
95.1%	5,695	5,953	257	4.5%
96.3%	4,551	5,785	1,235	27.1%
97.5%	4,271	5,175	904	21.2%
98.8%	4,111	5,034	923	22.4%
100.0%	3,895	4,551	656	16.8%

Table SW-03-3b

Trinity Lake, End of Month Area

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,980	15,980	0	0.0%
1.2%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,980	15,980	0	0.0%
2.5%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,980	15,980	0	0.0%
3.7%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,980	15,980	0	0.0%
4.9%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,944	15,944	0	0.0%
6.2%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,941	15,941	0	0.0%
7.4%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,843	15,837	-6	0.0%
8.6%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,835	15,835	0	0.0%
9.9%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,500	15,500	0	0.0%	15,619	15,658	40	0.3%
11.1%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,459	15,500	41	0.3%	15,601	15,613	12	0.1%
12.3%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,433	15,453	20	0.1%	15,592	15,601	9	0.1%
13.6%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,433	15,433	0	0.0%	15,582	15,595	13	0.1%
14.8%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,412	15,427	15	0.1%	15,572	15,582	10	0.1%
16.0%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,402	15,412	10	0.1%	15,571	15,571	0	0.0%
17.3%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,375	15,402	27	0.2%	15,541	15,566	25	0.2%
18.5%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,363	15,369	7	0.0%	15,502	15,565	63	0.4%
19.8%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,353	15,363	9	0.1%	15,466	15,541	75	0.5%
21.0%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,345	15,361	16	0.1%	15,404	15,502	99	0.6%
22.2%	14,300	14,300	0	0.0%	14,700	14,700	0	0.0%	15,336	15,330	-6	0.0%	15,395	15,466	71	0.5%
23.5%	14,259	14,300	41	0.3%	14,700	14,700	0	0.0%	15,265	15,317	52	0.3%	15,386	15,435	49	0.3%
24.7%	14,244	14,259	15	0.1%	14,700	14,700	0	0.0%	15,235	15,302	67	0.4%	15,238	15,386	148	1.0%
25.9%	14,232	14,244	12	0.1%	14,700	14,700	0	0.0%	15,203	15,296	94	0.6%	15,215	15,357	141	0.9%
27.2%	14,106	14,232	126	0.9%	14,700	14,700	0	0.0%	15,199	15,235	36	0.2%	15,185	15,238	53	0.3%
28.4%	14,096	14,116	20	0.1%	14,700	14,700	0	0.0%	15,173	15,215	41	0.3%	15,160	15,157	-3	0.0%
29.6%	14,006	14,105	99	0.7%	14,700	14,700	0	0.0%	15,170	15,201	30	0.2%	15,157	15,153	-3	0.0%
30.9%	13,913	14,100	187	1.3%	14,614	14,700	86	0.6%	15,155	15,199	44	0.3%	15,038	15,038	0	0.0%
32.1%	13,758	14,073	315	2.3%	14,611	14,700	89	0.6%	15,132	15,173	42	0.3%	15,033	15,033	0	0.0%
33.3%	13,742	14,064	322	2.3%	14,606	14,614	8	0.1%	15,121	15,170	49	0.3%	14,993	14,993	0	0.0%
34.6%	13,739	13,938	199	1.4%	14,577	14,606	28	0.2%	15,064	15,121	57	0.4%	14,952	14,957	5	0.0%
35.8%	13,663	13,832	169	1.2%	14,516	14,597	81	0.6%	15,061	15,064	3	0.0%	14,949	14,952	3	0.0%
37.0%	13,640	13,739	99	0.7%	14,332	14,516	184	1.3%	14,946	15,055	109	0.7%	14,931	14,929	-2	0.0%
38.3%	13,640	13,721	81	0.6%	14,224	14,503	278	2.0%	14,913	14,963	50	0.3%	14,610	14,675	65	0.4%
39.5%	13,566	13,559	-7	-0.1%	14,096	14,300	204	1.4%	14,896	14,946	49	0.3%	14,543	14,610	67	0.5%
40.7%	13,524	13,510	-14	-0.1%	14,056	14,277	221	1.6%	14,766	14,922	156	1.1%	14,458	14,600	142	1.0%
42.0%	13,330	13,466	136	1.0%	13,998	14,224	226	1.6%	14,705	14,806	101	0.7%	14,431	14,543	112	0.8%
43.2%	13,300	13,399	99	0.7%	13,918	14,152	234	1.7%	14,681	14,736	55	0.4%	14,286	14,426	140	1.0%
44.4%	13,245	13,380	135	1.0%	13,817	14,077	261	1.9%	14,552	14,713	160	1.1%	14,265	14,385	120	0.8%
45.7%	13,224	13,371	147	1.1%	13,815	13,882	67	0.5%	14,534	14,676	142	1.0%	14,240	14,364	124	0.9%
46.9%	13,126	13,313	187	1.4%	13,701	13,662	-40	-0.3%	14,509	14,534	25	0.2%	14,108	14,347	240	1.7%
48.1%	13,118	13,308	189	1.4%	13,649	13,647	-2	0.0%	14,287	14,459	172	1.2%	14,097	14,300	203	1.4%
49.4%	13,116	13,185	70	0.5%	13,587	13,604	17	0.1%	14,277	14,389	112	0.8%	13,986	14,196	210	1.5%
50.6%	12,922	13,073	151	1.2%	13,516	13,524	8	0.1%	14,176	14,111	-64	-0.5%	13,901	14,016	116	0.8%
51.9%	12,884	12,922	38	0.3%	13,468	13,460	-7	-0.1%	14,153	14,091	-62	-0.4%	13,871	14,010	139	1.0%
53.1%	12,636	12,776	140	1.1%	13,345	13,419	74	0.6%	13,932	14,079	146	1.1%	13,867	13,951	84	0.6%
54.3%	12,628	12,774	146	1.2%	13,265	13,379	113	0.9%	13,908	14,049	141	1.0%	13,807	13,785	-22	-0.2%
55.6%	12,504	12,668	164	1.3%	13,191	13,321	130	1.0%	13,802	14,006	204	1.5%	13,797	13,762	-35	-0.3%
56.8%	12,457	12,655	198	1.6%	13,139	13,150	11	0.1%	13,753	13,915	163	1.2%	13,668	13,732	65	0.5%
58.0%	12,389	12,579	190	1.5%	13,134	13,118	-16	-0.1%	13,688	13,891	203	1.5%	13,578	13,696	118	0.9%
59.3%	12,071	12,483	411	3.4%	12,858	13,116	259	2.0%	13,679	13,716	37	0.3%	13,390	13,640	250	1.9%
60.5%	12,069	12,256	187	1.5%	12,706	13,107	402	3.2%	13,505	13,696	191	1.4%	13,374	13,496	122	0.9%
61.7%	11,834	12,105	271	2.3%	12,633	13,004	371	2.9%	13,452	13,628	176	1.3%	13,268	13,447	179	1.3%
63.0%	11,593	12,074	481	4.2%	12,600	12,837	237	1.9%	13,391	13,536	146	1.1%	13,203	13,369	166	1.3%
64.2%	11,532	12,034	501	4.3%	12,596	12,734	138	1.1%	13,226	13,502	276	2.1%	13,021	13,348	327	2.5%
65.4%	11,450	12,001	551	4.8%	12,567	12,560	-7	-0.1%	13,146	13,484	338	2.6%	12,934	13,144	210	1.6%
66.7%	11,395	11,705	310	2.7%	12,508	12,437	-70	-0.6%	12,981	13,219	238	1.8%	12,899	13,048	149	1.2%
67.9%	11,320	11,627	307	2.7%	11,969	12,419	450	3.8%	12,769	13,031	262	2.1%	12,829	13,032	202	1.6%
69.1%	11,288	11,612	324	2.9%	11,844	12,278	434	3.7%	12,684	13,015	331	2.6%	12,786	13,014	228	1.8%
70.4%	11,174	11,438	265	2.4%	11,623	12,089	465	4.0%	12,397	12,653	256	2.1%	12,199	12,954	755	6.2%
71.6%	10,937	11,344	407	3.7%	11,266	12,072	805	7.1%	12,336	12,651	315	2.6%	12,033	12,862	829	6.9%
72.8%	10,803	11,268	465	4.3%	11,005	11,962	957	8.7%	11,915	12,612	697	5.8%	11,885	12,490	605	5.1%
74.1%	10,409	11,029	620	6.0%	10,946	11,915	970	8.9%	11,858	12,454	596	5.0%	11,883	12,110	226	1.9%
75.3%	10,218	10,687	470	4.6%	10,781	11,171	390	3.6%	11,653	12,141	488	4.2%	11,821	11,939	118	1.0%
76.5%	10,112	10,686	574	5.7%	10,722	11,086	364	3.4%	11,463	11,972	510	4.4%	11,081	11,493	412	3.7%
77.8%	10,031	10,631	601	6.0%	10,641	11,024	383	3.6%	11,410	11,608	198	1.7%	11,030	11,361	331	3.0%
79.0%	9,924	10,538	614	6.2%	10,530	10,959	430	4.1%	11,163	11,572	409	3.7%	10,921	11,297	376	3.4%
80.2%	9,554	9,807	253	2.6%	10,333	10,867	534	5.2%	11,020	11,281	260	2.4%	10,867	11,255	387	3.6%
81.5%	9,551	9,680	129	1.4%	10,216	10,458	242	2.4%	10,903	11,160	256	2.3%	10,800	11,220	420	3.9%
82.7%	9,074	9,638	565	6.2%	10,186	10,346	160	1.6%	10,875	11,068	193	1.8%	10,546	11,077	531	5.0%
84.0%	8,780	9,128	348	4.0%	9,877	9,760	-117	-1.2%	10,808	11,045	237	2.2%	10,447	11,012	565	5.4%
85.2%	8,698	8,918	219	2.5%	9,370	9,693	323	3.4%	9,716	10,518	802	8.3%	10,264	10,500	236	2.3%
86.4%	8,428	8,723	295	3.5%	9,368	9,366	-2	0.0%	9,697	9,937	241	2.5%	9,887	9,934	47	0.5%
87.7%	8,004	8,424	420	5.3%	8,606	9,335	729	8.5%	9,615	9,919	303	3.2%	9,514	9,868	354	3.7%
88.9%	7,824	8,094	271	3.5%	8,604	8,825	221	2.6%	9,564	9,748	184	1.9%	9,407	9,766	359	3.8%
90.1%	7,672	7,824	152	2.0%	8,028	8,604	576	7.2%	9,189	9,579	390	4.2%	9,274	9,308	34	0.4%
91.4%	6,985	7,468	483	6.9%	8,018	8,444	426	5.3%	8,971	9,023	51	0.6%	9,175	9,050	-126	-1.4%
92.6%	6,980	7,417	437	6.3%	7,916	8,402	486	6.1%	8,403	8,621	219	2.6%	8,052	8,446	395	4.9%
93.8%	6,747	6,799	52	0.8%	7,517	7,963	445	5.9%	8,182	8,597	415	5.1%	8,011	8,333	321	4.0%
95.1%	6,362	6,790	429	6.7%	7,460	7,648	189	2.5%	7,966	8,292	326	4.1%	7,918	8,269	351	4.4%
96.3%	5,226	6,584	1,358	26.0%	7,397	7,512	115	1.5%	7,853	8,213	360	4.6%	7,777	8,026	249	3.2%
97.5%	5,207	5,207	0	0.0%	5,688	6,365	677	11.9%	7,196	7,196	0	0.0%	7,451	7,451	0	0.0%
98.8%	4,282	5,207	925	21.6%	5,272	5,985	713	13.5%	6,338	7,041	703	11.1%	6,256	7,072	816	13.0%
100.0%	4,070	5,186	1,116	27.4%	5,206	5,688	482	9.3%	5,979	6,914	935	15.6%	6,157	6,957	800	13.0%

Table SW-03-3b

Trinity Lake, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
1.2%	16,088	16,088	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
2.5%	16,088	16,088	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
3.7%	16,088	16,088	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
4.9%	16,026	16,026	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
6.2%	16,021	16,021	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
7.4%	15,903	15,903	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
8.6%	15,888	15,888	0	0.0%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
9.9%	15,770	15,866	96	0.6%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
11.1%	15,710	15,770	59	0.4%	15,380	15,380	0	0.0%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
12.3%	15,696	15,704	8	0.1%	15,344	15,380	36	0.2%	14,900	14,900	0	0.0%	14,188	14,188	0	0.0%
13.6%	15,661	15,661	0	0.0%	15,254	15,375	121	0.8%	14,882	14,900	18	0.1%	14,188	14,188	0	0.0%
14.8%	15,559	15,532	-28	-0.2%	15,241	15,367	126	0.8%	14,790	14,900	110	0.7%	14,188	14,188	0	0.0%
16.0%	15,518	15,516	-2	0.0%	15,232	15,320	88	0.6%	14,742	14,856	114	0.8%	14,188	14,188	0	0.0%
17.3%	15,516	15,512	-4	0.0%	15,174	15,168	-6	0.0%	14,693	14,736	43	0.3%	14,188	14,188	0	0.0%
18.5%	15,438	15,469	31	0.2%	15,165	15,165	0	0.0%	14,691	14,736	45	0.3%	14,188	14,188	0	0.0%
19.8%	15,372	15,438	66	0.4%	15,047	15,041	-6	0.0%	14,511	14,591	80	0.5%	14,157	14,104	-53	-0.4%
21.0%	15,358	15,364	6	0.0%	14,994	14,994	0	0.0%	14,502	14,511	10	0.1%	13,703	13,997	293	2.1%
22.2%	15,203	15,345	142	0.9%	14,799	14,786	-13	-0.1%	14,436	14,302	-135	-0.9%	13,695	13,703	8	0.1%
23.5%	15,157	15,298	141	0.9%	14,659	14,786	126	0.9%	14,108	14,109	1	0.0%	13,491	13,655	165	1.2%
24.7%	15,146	15,203	57	0.4%	14,585	14,659	75	0.5%	14,071	14,108	37	0.3%	13,444	13,589	145	1.1%
25.9%	15,116	15,156	40	0.3%	14,569	14,585	16	0.1%	13,974	14,082	108	0.8%	13,329	13,491	161	1.2%
27.2%	15,049	15,116	66	0.4%	14,568	14,579	11	0.1%	13,812	13,959	147	1.1%	13,299	13,314	16	0.1%
28.4%	14,919	15,049	130	0.9%	14,354	14,568	214	1.5%	13,804	13,858	55	0.4%	13,237	13,292	55	0.4%
29.6%	14,904	14,898	-6	0.0%	14,342	14,348	6	0.0%	13,725	13,805	81	0.6%	13,157	13,241	84	0.6%
30.9%	14,797	14,797	0	0.0%	14,250	14,250	0	0.0%	13,706	13,725	18	0.1%	13,089	13,237	148	1.1%
32.1%	14,755	14,755	0	0.0%	14,198	14,198	0	0.0%	13,565	13,724	159	1.2%	12,910	13,209	299	2.3%
33.3%	14,751	14,751	0	0.0%	14,139	14,139	0	0.0%	13,471	13,565	94	0.7%	12,864	13,044	180	1.4%
34.6%	14,700	14,700	0	0.0%	14,100	14,100	0	0.0%	13,436	13,471	35	0.3%	12,826	12,903	77	0.6%
35.8%	14,594	14,592	-2	0.0%	13,990	14,099	109	0.8%	13,379	13,408	29	0.2%	12,767	12,826	59	0.5%
37.0%	14,472	14,569	97	0.7%	13,968	13,965	-2	0.0%	13,296	13,407	111	0.8%	12,657	12,738	81	0.6%
38.3%	14,371	14,449	78	0.5%	13,807	13,919	112	0.8%	13,296	13,294	-2	0.0%	12,646	12,643	-2	0.0%
39.5%	14,349	14,379	30	0.2%	13,371	13,710	339	2.5%	12,684	13,031	346	2.7%	11,912	12,375	463	3.9%
40.7%	14,075	14,305	229	1.6%	13,357	13,613	257	1.9%	12,600	12,986	386	3.1%	11,831	12,309	478	4.0%
42.0%	14,062	14,199	137	1.0%	13,260	13,511	251	1.9%	12,456	12,926	470	3.8%	11,627	12,213	586	5.0%
43.2%	13,932	14,172	240	1.7%	13,139	13,446	307	2.3%	12,430	12,775	345	2.8%	11,596	12,039	443	3.8%
44.4%	13,926	14,000	74	0.5%	13,118	13,260	142	1.1%	12,430	12,601	171	1.4%	11,559	11,831	272	2.4%
45.7%	13,833	13,932	99	0.7%	13,115	13,241	126	1.0%	12,406	12,600	194	1.6%	11,557	11,815	257	2.2%
46.9%	13,765	13,926	161	1.2%	13,105	13,139	34	0.3%	12,255	12,456	201	1.6%	11,477	11,651	175	1.5%
48.1%	13,735	13,800	65	0.5%	13,076	13,129	53	0.4%	12,201	12,298	96	0.8%	11,461	11,603	142	1.2%
49.4%	13,667	13,782	115	0.8%	12,974	13,009	35	0.3%	12,014	12,235	221	1.8%	11,401	11,558	157	1.4%
50.6%	13,579	13,675	96	0.7%	12,927	12,940	13	0.1%	11,993	12,200	207	1.7%	11,365	11,504	139	1.2%
51.9%	13,425	13,534	109	0.8%	12,654	12,874	220	1.7%	11,873	12,168	295	2.5%	11,300	11,495	195	1.7%
53.1%	13,351	13,517	166	1.2%	12,613	12,867	254	2.0%	11,796	12,133	336	2.9%	11,238	11,488	251	2.2%
54.3%	13,309	13,465	156	1.2%	12,545	12,797	252	2.0%	11,713	12,115	401	3.4%	11,159	11,462	303	2.7%
55.6%	13,276	13,429	153	1.2%	12,449	12,753	304	2.4%	11,509	11,908	399	3.5%	11,094	11,437	342	3.1%
56.8%	13,243	13,414	171	1.3%	12,377	12,682	304	2.5%	11,455	11,867	412	3.6%	10,813	11,363	550	5.1%
58.0%	13,124	13,393	270	2.1%	12,287	12,670	383	3.1%	11,295	11,766	471	4.2%	10,691	11,273	582	5.4%
59.3%	13,092	13,343	251	1.9%	12,241	12,393	153	1.2%	11,277	11,750	473	4.2%	10,631	11,230	599	5.6%
60.5%	13,000	13,272	271	2.1%	12,224	12,384	160	1.3%	11,242	11,726	484	4.3%	10,599	11,114	516	4.9%
61.7%	12,971	13,058	87	0.7%	12,213	12,354	141	1.2%	11,218	11,435	217	1.9%	10,569	10,808	238	2.3%
63.0%	12,895	13,040	145	1.1%	12,167	12,345	178	1.5%	11,205	11,411	206	1.8%	10,556	10,798	242	2.3%
64.2%	12,836	13,010	174	1.4%	12,136	12,339	203	1.7%	10,996	11,370	374	3.4%	10,334	10,730	395	3.8%
65.4%	12,703	12,948	245	1.9%	11,978	12,283	305	2.5%	10,949	11,333	384	3.5%	10,279	10,697	418	4.1%
66.7%	12,641	12,876	235	1.9%	11,714	12,192	478	4.1%	10,848	11,329	481	4.4%	9,930	10,697	766	7.7%
67.9%	12,636	12,798	162	1.3%	11,692	12,181	489	4.2%	10,461	11,249	789	7.5%	9,764	10,598	834	8.5%
69.1%	12,535	12,797	261	2.1%	11,460	12,088	628	5.5%	10,459	11,019	560	5.4%	9,756	10,479	722	7.4%
70.4%	12,334	12,644	309	2.5%	11,406	11,917	512	4.5%	10,434	10,950	516	4.9%	9,744	10,180	436	4.5%
71.6%	11,841	12,547	705	6.0%	11,234	11,908	674	6.0%	10,348	10,855	508	4.9%	9,646	10,059	414	4.3%
72.8%	11,738	12,208	470	4.0%	11,093	11,538	445	4.0%	10,250	10,765	515	5.0%	9,637	9,841	204	2.1%
74.1%	11,684	12,144	460	3.9%	11,036	11,169	134	1.2%	10,078	10,395	316	3.1%	9,585	9,685	100	1.0%
75.3%	11,574	11,974	400	3.5%	10,881	11,152	271	2.5%	10,064	10,163	98	1.0%	9,390	9,640	250	2.7%
76.5%	10,959	11,856	896	8.2%	10,877	10,940	63	0.6%	10,031	9,653	-378	-3.8%	9,035	9,125	90	1.0%
77.8%	10,726	11,092	366	3.4%	9,845	10,230	385	3.9%	9,314	9,461	147	1.6%	8,859	9,010	152	1.7%
79.0%	10,616	10,911	295	2.8%	9,696	9,987	291	3.0%	9,157	9,153	-4	0.0%	8,679	8,774	95	1.1%
80.2%	10,516	10,824	308	2.9%	9,645	9,848	203	2.1%	8,918	9,097	178	2.0%	8,347	8,550	203	2.4%
81.5%	10,490	10,713	223	2.1%	9,613	9,771	158	1.6%	8,856	9,088	232	2.6%	8,278	8,516	238	2.9%
82.7%	10,488	10,612	124	1.2%	9,512	9,735	224	2.4%	8,738	9,073	336	3.8%	8,193	8,501	308	3.8%
84.0%	10,447	10,605	159	1.5%	9,495	9,701	206	2.2%	8,718	9,045	327	3.7%	8,045	8,495	321	3.9%
85.2%	10,105	10,537	432	4.3%	9,394	9,692	298	3.2%	8,695	8,977	282	3.2%	8,152	8,432	280	3.4%
86.4%	10,100	10,344	244	2.4%	9,372	9,537	165	1.8%	8,426	8,845	419	5.0%	7,863	8,283	420	5.3%
87.7%	9,509	9,866	357	3.8%	8,802	9,287	485	5.5%	8,022	8,504	482	6.0%	7,470	7,959	489	6.5%
88.9%	9,344	9,700	356	3.8%	8,271	8,990	719	8.7%	7,699	7,733	34	0.4%	7,138	7,273	135	1.9%
90.1%	8,974	9,008	34	0.4%	7,941	8,304	364	4.6%	7,107	7,472	365	5.1%	6,514	6,641	127	1.9%
91.4%	8,770	8,645	-125	-1.4%	7,875	7,814	-61	-0.8%	6,477	6,981	504	7.8%	6,216	6,389	173	2.8%
92.6%	7,969	8,402	433	5.4%	7,233	7,672	438	6.1%	6,452	6,888	436	6.8%	6,207	6,252	45	0.7%
93.8%	7,779	8,157	378	4.9%	6,944	7,360	416	6.0%	6,345	6,533	188	3.0%	5,471	6,216	744	13.6%
95.1%	7,741	7,999	259	3.3%	6,754	7,206	452	6.7%	6,183	6,477	294	4.8%	5,462	6,093	631	11.6%
96.3%	7,515	7,763	248	3.3%	6,656	7,140	484	7.3%	5,471	6,421	949	17.4%	5,150	6,011	861	16.7%
97.5%	7,482	7,761	280	3.7%	6,447	6,970	523	8.1%	5,045	6,352	1,307	25.9%	4,732	5,707	975	20.6%
98.8%	7,064	7,482	418	5.9%	5,954	6,754	800	13.4%	4,970	5,936	966	19.4%	4,481	5,619	1,137	25.4%
100.0%	6,233	7,123	890	14.3%	5,802	6,392	589	10.2%	4,346	5,471	1,126	25.9%	3,120	4,918	1,798	57.6%

Table SW-04-3a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Flow (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative A	373	369	502	656	623	579	561	3,779	2,091	923	450	450
Difference	5	9	-20	1	-22	3	6	0	0	0	0	0
Percent Difference[3]	1.2%	2.4%	-3.8%	0.2%	-3.4%	0.6%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative A	373	300	784	1,416	1,056	1,169	647	4,636	3,318	1,289	450	450
Difference	0	0	-68	4	30	74	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.0%	0.3%	2.9%	6.7%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative A	373	773	621	316	820	300	469	4,462	2,488	1,048	450	450
Difference	0	60	0	0	-11	-136	0	0	0	0	0	0
Percent Difference	0.0%	8.4%	0.0%	0.0%	-1.4%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative A	373	300	300	300	343	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-174	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative A	373	300	307	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	7	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative A	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	31	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-04-3b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

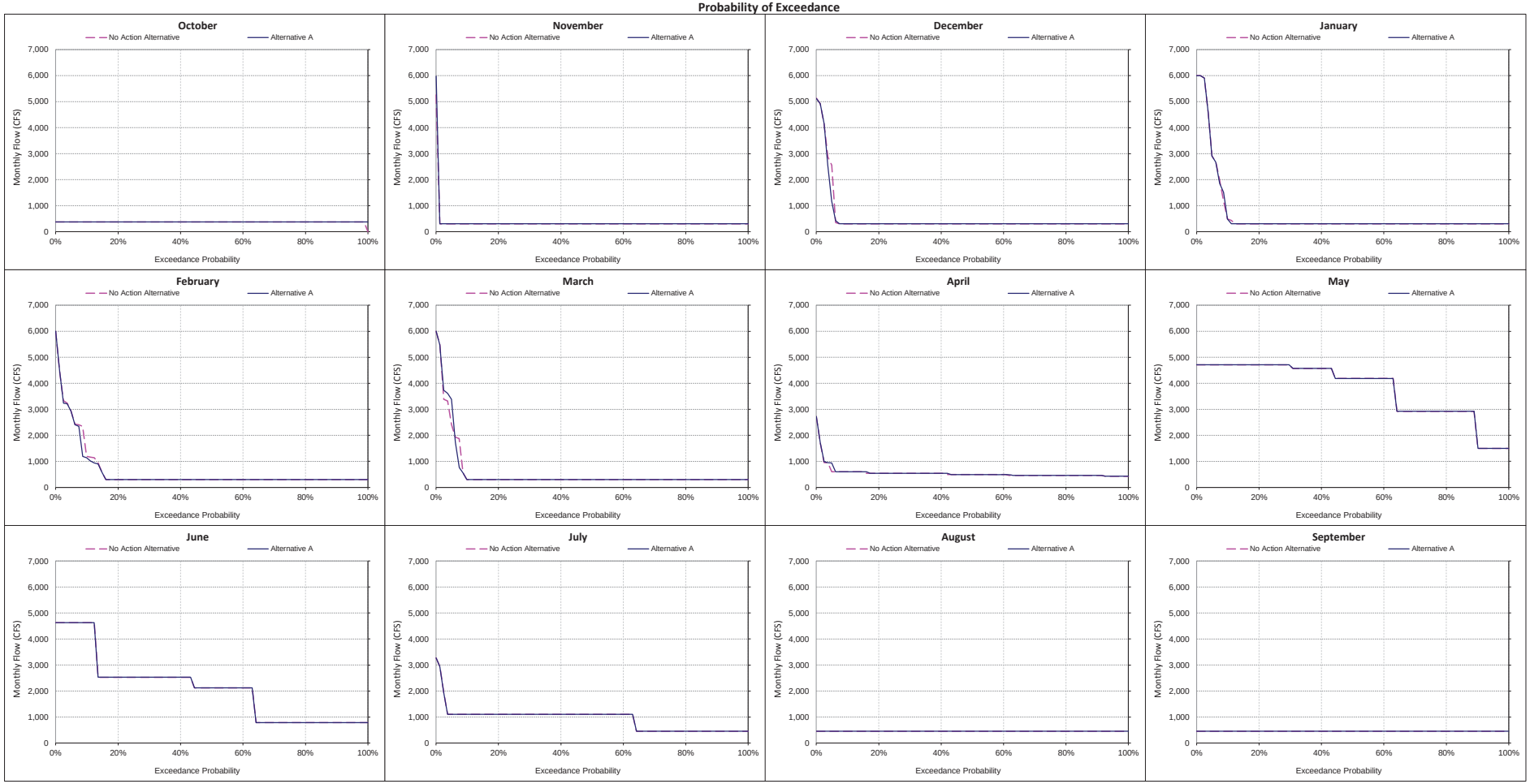

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%	0.0%	5,261	5,979	718	13.7%	0.0%	5,139	5,115	-24	-0.5%	0.0%	6,000	6,000	0	0.0%
1.2%	373	373	0	0.0%	1.2%	300	300	0	0.0%	1.2%	4,922	4,922	0	0.0%	1.2%	6,000	6,000	0	0.0%
2.5%	373	373	0	0.0%	2.5%	300	300	0	0.0%	2.5%	4,147	4,150	3	0.1%	2.5%	5,907	5,907	0	0.0%
3.7%	373	373	0	0.0%	3.7%	300	300	0	0.0%	3.7%	2,872	2,557	-315	-11.0%	3.7%	4,568	4,568	0	0.0%
4.9%	373	373	0	0.0%	4.9%	300	300	0	0.0%	4.9%	2,557	1,178	-1,379	-53.9%	4.9%	2,908	2,908	0	0.0%
6.2%	373	373	0	0.0%	6.2%	300	300	0	0.0%	6.2%	349	422	72	20.7%	6.2%	2,670	2,670	0	0.0%
7.4%	373	373	0	0.0%	7.4%	300	300	0	0.0%	7.4%	300	300	0	0.0%	7.4%	1,960	1,850	-109	-5.6%
8.6%	373	373	0	0.0%	8.6%	300	300	0	0.0%	8.6%	300	300	0	0.0%	8.6%	1,175	1,510	334	28.4%
9.9%	373	373	0	0.0%	9.9%	300	300	0	0.0%	9.9%	300	300	0	0.0%	9.9%	486	486	0	0.0%
11.1%	373	373	0	0.0%	11.1%	300	300	0	0.0%	11.1%	300	300	0	0.0%	11.1%	432	300	-132	-30.6%
12.3%	373	373	0	0.0%	12.3%	300	300	0	0.0%	12.3%	300	300	0	0.0%	12.3%	300	300	0	0.0%
13.6%	373	373	0	0.0%	13.6%	300	300	0	0.0%	13.6%	300	300	0	0.0%	13.6%	300	300	0	0.0%
14.8%	373	373	0	0.0%	14.8%	300	300	0	0.0%	14.8%	300	300	0	0.0%	14.8%	300	300	0	0.0%
16.0%	373	373	0	0.0%	16.0%	300	300	0	0.0%	16.0%	300	300	0	0.0%	16.0%	300	300	0	0.0%
17.3%	373	373	0	0.0%	17.3%	300	300	0	0.0%	17.3%	300	300	0	0.0%	17.3%	300	300	0	0.0%
18.5%	373	373	0	0.0%	18.5%	300	300	0	0.0%	18.5%	300	300	0	0.0%	18.5%	300	300	0	0.0%
19.8%	373	373	0	0.0%	19.8%	300	300	0	0.0%	19.8%	300	300	0	0.0%	19.8%	300	300	0	0.0%
21.0%	373	373	0	0.0%	21.0%	300	300	0	0.0%	21.0%	300	300	0	0.0%	21.0%	300	300	0	0.0%
22.2%	373	373	0	0.0%	22.2%	300	300	0	0.0%	22.2%	300	300	0	0.0%	22.2%	300	300	0	0.0%
23.5%	373	373	0	0.0%	23.5%	300	300	0	0.0%	23.5%	300	300	0	0.0%	23.5%	300	300	0	0.0%
24.7%	373	373	0	0.0%	24.7%	300	300	0	0.0%	24.7%	300	300	0	0.0%	24.7%	300	300	0	0.0%
25.9%	373	373	0	0.0%	25.9%	300	300	0	0.0%	25.9%	300	300	0	0.0%	25.9%	300	300	0	0.0%
27.2%	373	373	0	0.0%	27.2%	300	300	0	0.0%	27.2%	300	300	0	0.0%	27.2%	300	300	0	0.0%
28.4%	373	373	0	0.0%	28.4%	300	300	0	0.0%	28.4%	300	300	0	0.0%	28.4%	300	300	0	0.0%
29.6%	373	373	0	0.0%	29.6%	300	300	0	0.0%	29.6%	300	300	0	0.0%	29.6%	300	300	0	0.0%
30.9%	373	373	0	0.0%	30.9%	300	300	0	0.0%	30.9%	300	300	0	0.0%	30.9%	300	300	0	0.0%
32.1%	373	373	0	0.0%	32.1%	300	300	0	0.0%	32.1%	300	300	0	0.0%	32.1%	300	300	0	0.0%
33.3%	373	373	0	0.0%	33.3%	300	300	0	0.0%	33.3%	300	300	0	0.0%	33.3%	300	300	0	0.0%
34.6%	373	373	0	0.0%	34.6%	300	300	0	0.0%	34.6%	300	300	0	0.0%	34.6%	300	300	0	0.0%
35.8%	373	373	0	0.0%	35.8%	300	300	0	0.0%	35.8%	300	300	0	0.0%	35.8%	300	300	0	0.0%
37.0%	373	373	0	0.0%	37.0%	300	300	0	0.0%	37.0%	300	300	0	0.0%	37.0%	300	300	0	0.0%
38.3%	373	373	0	0.0%	38.3%	300	300	0	0.0%	38.3%	300	300	0	0.0%	38.3%	300	300	0	0.0%
39.5%	373	373	0	0.0%	39.5%	300	300	0	0.0%	39.5%	300	300	0	0.0%	39.5%	300	300	0	0.0%
40.7%	373	373	0	0.0%	40.7%	300	300	0	0.0%	40.7%	300	300	0	0.0%	40.7%	300	300	0	0.0%
42.0%	373	373	0	0.0%	42.0%	300	300	0	0.0%	42.0%	300	300	0	0.0%	42.0%	300	300	0	0.0%
43.2%	373	373	0	0.0%	43.2%	300	300	0	0.0%	43.2%	300	300	0	0.0%	43.2%	300	300	0	0.0%
44.4%	373	373	0	0.0%	44.4%	300	300	0	0.0%	44.4%	300	300	0	0.0%	44.4%	300	300	0	0.0%
45.7%	373	373	0	0.0%	45.7%	300	300	0	0.0%	45.7%	300	300	0	0.0%	45.7%	300	300	0	0.0%
46.9%	373	373	0	0.0%	46.9%	300	300	0	0.0%	46.9%	300	300	0	0.0%	46.9%	300	300	0	0.0%
48.1%	373	373	0	0.0%	48.1%	300	300	0	0.0%	48.1%	300	300	0	0.0%	48.1%	300	300	0	0.0%
49.4%	373	373	0	0.0%	49.4%	300	300	0	0.0%	49.4%	300	300	0	0.0%	49.4%	300	300	0	0.0%
50.6%	373	373	0	0.0%	50.6%	300	300	0	0.0%	50.6%	300	300	0	0.0%	50.6%	300	300	0	0.0%
51.9%	373	373	0	0.0%	51.9%	300	300	0	0.0%	51.9%	300	300	0	0.0%	51.9%	300	300	0	0.0%
53.1%	373	373	0	0.0%	53.1%	300	300	0	0.0%	53.1%	300	300	0	0.0%	53.1%	300	300	0	0.0%
54.3%	373	373	0	0.0%	54.3%	300	300	0	0.0%	54.3%	300	300	0	0.0%	54.3%	300	300	0	0.0%
55.6%	373	373	0	0.0%	55.6%	300	300	0	0.0%	55.6%	300	300	0	0.0%	55.6%	300	300	0	0.0%
56.8%	373	373	0	0.0%	56.8%	300	300	0	0.0%	56.8%	300	300	0	0.0%	56.8%	300	300	0	0.0%
58.0%	373	373	0	0.0%	58.0%	300	300	0	0.0%	58.0%	300	300	0	0.0%	58.0%	300	300	0	0.0%
59.3%	373	373	0	0.0%	59.3%	300	300	0	0.0%	59.3%	300	300	0	0.0%	59.3%	300	300	0	0.0%
60.5%	373	373	0	0.0%	60.5%	300	300	0	0.0%	60.5%	300	300	0	0.0%	60.5%	300	300	0	0.0%
61.7%	373	373	0	0.0%	61.7%	300	300	0	0.0%	61.7%	300	300	0	0.0%	61.7%	300	300	0	0.0%
63.0%	373	373	0	0.0%	63.0%	300	300	0	0.0%	63.0%	300	300	0	0.0%	63.0%	300	300	0	0.0%
64.2%	373	373	0	0.0%	64.2%	300	300	0	0.0%	64.2%	300	300	0	0.0%	64.2%	300	300	0	0.0%
65.4%	373	373	0	0.0%	65.4%	300	300	0	0.0%	65.4%	300	300	0	0.0%	65.4%	300	300	0	0.0%
66.7%	373	373	0	0.0%	66.7%	300	300	0	0.0%	66.7%	300	300	0	0.0%	66.7%	300	300	0	0.0%
67.9%	373	373	0	0.0%	67.9%	300	300	0	0.0%	67.9%	300	300	0	0.0%	67.9%	300	300	0	0.0%
69.1%	373	373	0	0.0%	69.1%	300	300	0	0.0%	69.1%	300	300	0	0.0%	69.1%	300	300	0	0.0%
70.4%	373	373	0	0.0%	70.4%	300	300	0	0.0%	70.4%	300	300	0	0.0%	70.4%	300	300	0	0.0%
71.6%	373	373	0	0.0%	71.6%	300	300	0	0.0%	71.6%	300	300	0	0.0%	71.6%	300	300	0	0.0%
72.8%	373	373	0	0.0%	72.8%	300	300	0	0.0%	72.8%	300	300	0	0.0%	72.8%	300	300	0	0.0%
74.1%	373	373	0	0.0%	74.1%	300	300	0	0.0%	74.1%	300	300	0	0.0%	74.1%	300	300	0	0.0%
75.3%	373	373	0	0.0%	75.3%	300	300	0	0.0%	75.3%	300	300	0	0.0%	75.3%	300	300	0	0.0%
76.5%	373	373	0	0.0%	76.5%	300	300	0	0.0%	76.5%	300	300	0	0.0%	76.5%	300	300	0	0.0%
77.8%	373	373	0	0.0%	77.8%	300	300	0	0.0%	77.8%	300	300	0	0.0%	77.8%	300	300	0	0.0%
79.0%	373	373	0	0.0%	79.0%	300	300	0	0.0%	79.0%	300	300	0	0.0%	79.0%	300	300	0	0.0%
80.2%	373	373	0	0.0%	80.2%	300	300	0	0.0%	80.2%	300	300	0	0.0%	80.2%	300	300	0	0.0%
81.5%	373	373	0	0.0%	81.5%	300	300	0	0.0%	81.5%	300	300	0	0.0%	81.5%	300	300	0	0.0%
82.7%	373	373	0	0.0%	82.7%	300	300	0	0.0%	82.7%	300	300	0	0.0%	82.7%	300	300	0	0.0%
84.0%	373	373	0	0.0%	84.0%	300	300	0	0.0%	84.0%	300	300	0	0.0%	84.0%	300	300	0	0.0%
85.2%	373	373	0	0.0%	85.2%	300	300	0	0.0%	85.2%	300	300	0	0.0%	85.2%	300	300	0	0.0%
86.4%	373	373	0	0.0%	86.4%	300	300	0	0.0%	86.4%	300	300	0	0.0%	86.4%	300	300	0	0.0%
87.7%	373	373	0	0.0%	87.7%	300	300	0	0.0%	87.7%	300	300	0	0.0%	87.7%	300	300	0	0.0%
88.9%	373	373	0	0.0%	88.9%	300	300	0	0.0%	88.9%	300	300	0	0.0%	88.9%	300	300	0	0.0%
90.1%	373	373	0	0.0%	90.1%	300	300	0	0.0%	90.1%	300	300	0	0.0%	90.1%	300	300	0	0.0%
91.4%	373	373	0	0.0%	91.4%	300	300	0	0.0%	91.4%	300	300	0	0.0%	91.4%	300	300	0	0.0%
92.6%	373	373	0	0.0%	92.6%	300	300	0	0.0%	92.6%	300	300	0	0.0%	92.6%	300	300	0	0.0%
93.8%	373	373	0	0.0%	93.8%	300	300	0	0.0%	93.8%	300	300	0	0.0%	93.8%	300	300	0	0.0%
95.1%	373	373	0	0.0%	95.1%	300	300	0	0.0%	95.1%	300	300	0	0.0%	95.1%	300	300	0	0.0%
96.3%	373	373	0	0.0%	96.3%	300	300	0	0.0%	96.3%	300	300	0	0.0%	96.3%	300	300	0	0.0%
97.5%	373	373	0	0.0%	97.5%	300	300	0	0.0%	97.5%	300	300	0	0.0%	97.5%	300	300	0	0.0%
98.8%	373	373	0	0.0%	98.8%	300	300	0	0.0%	98.8%	300	300	0	0.0%	98.8%	300	300	0	0.0%
100.0%	0	373	373		100.0%	300	300	0	0.0%	100.0%	300	300	0	0.0%	100.0%	300	300	0	0.0%

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

	February				March				April				May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%	6,000	6,000	0	0.0%	2,724	2,724	0	0.0%	4,709	4,709	0	0.0%
1.2%	4,484	4,484	0	0.0%	5,482	5,482	0	0.0%	1,719	1,719	0	0.0%	4,709	4,709	0	0.0%
2.5%	3,335	3,238	-98	-2.9%	3,386	3,733	347	10.3%	952	988	36	3.8%	4,709	4,709	0	0.0%
3.7%	3,238	3,217	-21	-0.6%	3,321	3,616	294	8.9%	942	952	10	1.0%	4,709	4,709	0	0.0%
4.9%	2,931	2,931	0	0.0%	2,423	3,386	963	39.8%	600	942	342	57.0%	4,709	4,709	0	0.0%
6.2%	2,434	2,407	-27	-1.1%	1,933	1,727	-206	-10.7%	600	600	0	0.0%	4,709	4,709	0	0.0%
7.4%	2,407	2,347	-61	-2.5%	1,877	757	-1,120	-59.7%	600	600	0	0.0%	4,709	4,709	0	0.0%
8.6%	2,347	1,194	-1,153	-49.1%	560	560	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
9.9%	1,194	1,138	-56	-4.6%	300	300	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
11.1%	1,161	1,024	-137	-11.8%	300	300	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
12.3%	1,138	942	-197	-17.3%	300	300	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
13.6%	942	903	-39	-4.2%	300	300	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
14.8%	583	583	0	0.0%	300	300	0	0.0%	600	600	0	0.0%	4,709	4,709	0	0.0%
16.0%	300	300	0	0.0%	300	300	0	0.0%	540	600	60	11.1%	4,709	4,709	0	0.0%
17.3%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
18.5%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
19.8%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
21.0%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
22.2%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
23.5%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
24.7%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
25.9%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
27.2%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
28.4%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
29.6%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,709	4,709	0	0.0%
30.9%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
32.1%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
33.3%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
34.6%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
35.8%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
37.0%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
38.3%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
39.5%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
40.7%	300	300	0	0.0%	300	300	0	0.0%	540	540	0	0.0%	4,570	4,570	0	0.0%
42.0%	300	300	0	0.0%	300	300	0	0.0%	493	540	47	9.5%	4,570	4,570	0	0.0%
43.2%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,570	4,570	0	0.0%
44.4%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
45.7%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
46.9%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
48.1%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
49.4%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
50.6%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
51.9%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
53.1%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
54.3%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
55.6%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
56.8%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
58.0%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
59.3%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
60.5%	300	300	0	0.0%	300	300	0	0.0%	493	493	0	0.0%	4,189	4,189	0	0.0%
61.7%	300	300	0	0.0%	300	300	0	0.0%	460	493	33	7.2%	4,189	4,189	0	0.0%
63.0%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	4,189	4,189	0	0.0%
64.2%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
65.4%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
66.7%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
67.9%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
69.1%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
70.4%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
71.6%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
72.8%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
74.1%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
75.3%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
76.5%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
77.8%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
79.0%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
80.2%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
81.5%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
82.7%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
84.0%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
85.2%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
86.4%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
87.7%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
88.9%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	2,924	2,924	0	0.0%
90.1%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	1,498	1,498	0	0.0%
91.4%	300	300	0	0.0%	300	300	0	0.0%	460	460	0	0.0%	1,498	1,498	0	0.0%
92.6%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
93.8%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
95.1%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
96.3%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
97.5%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
98.8%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%
100.0%	300	300	0	0.0%	300	300	0	0.0%	427	427	0	0.0%	1,498	1,498	0	0.0%

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%	0.0%	3,274	3,274	0	0.0%	0.0%	450	450	0	0.0%	0.0%	450	450	0	0.0%
1.2%	4,626	4,626	0	0.0%	1.2%	2,942	2,942	0	0.0%	1.2%	450	450	0	0.0%	1.2%	450	450	0	0.0%
2.5%	4,626	4,626	0	0.0%	2.5%	1,942	1,942	0	0.0%	2.5%	450	450	0	0.0%	2.5%	450	450	0	0.0%
3.7%	4,626	4,626	0	0.0%	3.7%	1,102	1,102	0	0.0%	3.7%	450	450	0	0.0%	3.7%	450	450	0	0.0%
4.9%	4,626	4,626	0	0.0%	4.9%	1,102	1,102	0	0.0%	4.9%	450	450	0	0.0%	4.9%	450	450	0	0.0%
6.2%	4,626	4,626	0	0.0%	6.2%	1,102	1,102	0	0.0%	6.2%	450	450	0	0.0%	6.2%	450	450	0	0.0%
7.4%	4,626	4,626	0	0.0%	7.4%	1,102	1,102	0	0.0%	7.4%	450	450	0	0.0%	7.4%	450	450	0	0.0%
8.6%	4,626	4,626	0	0.0%	8.6%	1,102	1,102	0	0.0%	8.6%	450	450	0	0.0%	8.6%	450	450	0	0.0%
9.9%	4,626	4,626	0	0.0%	9.9%	1,102	1,102	0	0.0%	9.9%	450	450	0	0.0%	9.9%	450	450	0	0.0%
11.1%	4,626	4,626	0	0.0%	11.1%	1,102	1,102	0	0.0%	11.1%	450	450	0	0.0%	11.1%	450	450	0	0.0%
12.3%	4,626	4,626	0	0.0%	12.3%	1,102	1,102	0	0.0%	12.3%	450	450	0	0.0%	12.3%	450	450	0	0.0%
13.6%	2,526	2,526	0	0.0%	13.6%	1,102	1,102	0	0.0%	13.6%	450	450	0	0.0%	13.6%	450	450	0	0.0%
14.8%	2,526	2,526	0	0.0%	14.8%	1,102	1,102	0	0.0%	14.8%	450	450	0	0.0%	14.8%	450	450	0	0.0%
16.0%	2,526	2,526	0	0.0%	16.0%	1,102	1,102	0	0.0%	16.0%	450	450	0	0.0%	16.0%	450	450	0	0.0%
17.3%	2,526	2,526	0	0.0%	17.3%	1,102	1,102	0	0.0%	17.3%	450	450	0	0.0%	17.3%	450	450	0	0.0%
18.5%	2,526	2,526	0	0.0%	18.5%	1,102	1,102	0	0.0%	18.5%	450	450	0	0.0%	18.5%	450	450	0	0.0%
19.8%	2,526	2,526	0	0.0%	19.8%	1,102	1,102	0	0.0%	19.8%	450	450	0	0.0%	19.8%	450	450	0	0.0%
21.0%	2,526	2,526	0	0.0%	21.0%	1,102	1,102	0	0.0%	21.0%	450	450	0	0.0%	21.0%	450	450	0	0.0%
22.2%	2,526	2,526	0	0.0%	22.2%	1,102	1,102	0	0.0%	22.2%	450	450	0	0.0%	22.2%	450	450	0	0.0%
23.5%	2,526	2,526	0	0.0%	23.5%	1,102	1,102	0	0.0%	23.5%	450	450	0	0.0%	23.5%	450	450	0	0.0%
24.7%	2,526	2,526	0	0.0%	24.7%	1,102	1,102	0	0.0%	24.7%	450	450	0	0.0%	24.7%	450	450	0	0.0%
25.9%	2,526	2,526	0	0.0%	25.9%	1,102	1,102	0	0.0%	25.9%	450	450	0	0.0%	25.9%	450	450	0	0.0%
27.2%	2,526	2,526	0	0.0%	27.2%	1,102	1,102	0	0.0%	27.2%	450	450	0	0.0%	27.2%	450	450	0	0.0%
28.4%	2,526	2,526	0	0.0%	28.4%	1,102	1,102	0	0.0%	28.4%	450	450	0	0.0%	28.4%	450	450	0	0.0%
29.6%	2,526	2,526	0	0.0%	29.6%	1,102	1,102	0	0.0%	29.6%	450	450	0	0.0%	29.6%	450	450	0	0.0%
30.9%	2,526	2,526	0	0.0%	30.9%	1,102	1,102	0	0.0%	30.9%	450	450	0	0.0%	30.9%	450	450	0	0.0%
32.1%	2,526	2,526	0	0.0%	32.1%	1,102	1,102	0	0.0%	32.1%	450	450	0	0.0%	32.1%	450	450	0	0.0%
33.3%	2,526	2,526	0	0.0%	33.3%	1,102	1,102	0	0.0%	33.3%	450	450	0	0.0%	33.3%	450	450	0	0.0%
34.6%	2,526	2,526	0	0.0%	34.6%	1,102	1,102	0	0.0%	34.6%	450	450	0	0.0%	34.6%	450	450	0	0.0%
35.8%	2,526	2,526	0	0.0%	35.8%	1,102	1,102	0	0.0%	35.8%	450	450	0	0.0%	35.8%	450	450	0	0.0%
37.0%	2,526	2,526	0	0.0%	37.0%	1,102	1,102	0	0.0%	37.0%	450	450	0	0.0%	37.0%	450	450	0	0.0%
38.3%	2,526	2,526	0	0.0%	38.3%	1,102	1,102	0	0.0%	38.3%	450	450	0	0.0%	38.3%	450	450	0	0.0%
39.5%	2,526	2,526	0	0.0%	39.5%	1,102	1,102	0	0.0%	39.5%	450	450	0	0.0%	39.5%	450	450	0	0.0%
40.7%	2,526	2,526	0	0.0%	40.7%	1,102	1,102	0	0.0%	40.7%	450	450	0	0.0%	40.7%	450	450	0	0.0%
42.0%	2,526	2,526	0	0.0%	42.0%	1,102	1,102	0	0.0%	42.0%	450	450	0	0.0%	42.0%	450	450	0	0.0%
43.2%	2,526	2,526	0	0.0%	43.2%	1,102	1,102	0	0.0%	43.2%	450	450	0	0.0%	43.2%	450	450	0	0.0%
44.4%	2,120	2,120	0	0.0%	44.4%	1,102	1,102	0	0.0%	44.4%	450	450	0	0.0%	44.4%	450	450	0	0.0%
45.7%	2,120	2,120	0	0.0%	45.7%	1,102	1,102	0	0.0%	45.7%	450	450	0	0.0%	45.7%	450	450	0	0.0%
46.9%	2,120	2,120	0	0.0%	46.9%	1,102	1,102	0	0.0%	46.9%	450	450	0	0.0%	46.9%	450	450	0	0.0%
48.1%	2,120	2,120	0	0.0%	48.1%	1,102	1,102	0	0.0%	48.1%	450	450	0	0.0%	48.1%	450	450	0	0.0%
49.4%	2,120	2,120	0	0.0%	49.4%	1,102	1,102	0	0.0%	49.4%	450	450	0	0.0%	49.4%	450	450	0	0.0%
50.6%	2,120	2,120	0	0.0%	50.6%	1,102	1,102	0	0.0%	50.6%	450	450	0	0.0%	50.6%	450	450	0	0.0%
51.9%	2,120	2,120	0	0.0%	51.9%	1,102	1,102	0	0.0%	51.9%	450	450	0	0.0%	51.9%	450	450	0	0.0%
53.1%	2,120	2,120	0	0.0%	53.1%	1,102	1,102	0	0.0%	53.1%	450	450	0	0.0%	53.1%	450	450	0	0.0%
54.3%	2,120	2,120	0	0.0%	54.3%	1,102	1,102	0	0.0%	54.3%	450	450	0	0.0%	54.3%	450	450	0	0.0%
55.6%	2,120	2,120	0	0.0%	55.6%	1,102	1,102	0	0.0%	55.6%	450	450	0	0.0%	55.6%	450	450	0	0.0%
56.8%	2,120	2,120	0	0.0%	56.8%	1,102	1,102	0	0.0%	56.8%	450	450	0	0.0%	56.8%	450	450	0	0.0%
58.0%	2,120	2,120	0	0.0%	58.0%	1,102	1,102	0	0.0%	58.0%	450	450	0	0.0%	58.0%	450	450	0	0.0%
59.3%	2,120	2,120	0	0.0%	59.3%	1,102	1,102	0	0.0%	59.3%	450	450	0	0.0%	59.3%	450	450	0	0.0%
60.5%	2,120	2,120	0	0.0%	60.5%	1,102	1,102	0	0.0%	60.5%	450	450	0	0.0%	60.5%	450	450	0	0.0%
61.7%	2,120	2,120	0	0.0%	61.7%	1,102	1,102	0	0.0%	61.7%	450	450	0	0.0%	61.7%	450	450	0	0.0%
63.0%	2,120	2,120	0	0.0%	63.0%	1,102	1,102	0	0.0%	63.0%	450	450	0	0.0%	63.0%	450	450	0	0.0%
64.2%	783	783	0	0.0%	64.2%	450	450	0	0.0%	64.2%	450	450	0	0.0%	64.2%	450	450	0	0.0%
65.4%	783	783	0	0.0%	65.4%	450	450	0	0.0%	65.4%	450	450	0	0.0%	65.4%	450	450	0	0.0%
66.7%	783	783	0	0.0%	66.7%	450	450	0	0.0%	66.7%	450	450	0	0.0%	66.7%	450	450	0	0.0%
67.9%	783	783	0	0.0%	67.9%	450	450	0	0.0%	67.9%	450	450	0	0.0%	67.9%	450	450	0	0.0%
69.1%	783	783	0	0.0%	69.1%	450	450	0	0.0%	69.1%	450	450	0	0.0%	69.1%	450	450	0	0.0%
70.4%	783	783	0	0.0%	70.4%	450	450	0	0.0%	70.4%	450	450	0	0.0%	70.4%	450	450	0	0.0%
71.6%	783	783	0	0.0%	71.6%	450	450	0	0.0%	71.6%	450	450	0	0.0%	71.6%	450	450	0	0.0%
72.8%	783	783	0	0.0%	72.8%	450	450	0	0.0%	72.8%	450	450	0	0.0%	72.8%	450	450	0	0.0%
74.1%	783	783	0	0.0%	74.1%	450	450	0	0.0%	74.1%	450	450	0	0.0%	74.1%	450	450	0	0.0%
75.3%	783	783	0	0.0%	75.3%	450	450	0	0.0%	75.3%	450	450	0	0.0%	75.3%	450	450	0	0.0%
76.5%	783	783	0	0.0%	76.5%	450	450	0	0.0%	76.5%	450	450	0	0.0%	76.5%	450	450	0	0.0%
77.8%	783	783	0	0.0%	77.8%	450	450	0	0.0%	77.8%	450	450	0	0.0%	77.8%	450	450	0	0.0%
79.0%	783	783	0	0.0%	79.0%	450	450	0	0.0%	79.0%	450	450	0	0.0%	79.0%	450	450	0	0.0%
80.2%	783	783	0	0.0%	80.2%	450	450	0	0.0%	80.2%	450	450	0	0.0%	80.2%	450	450	0	0.0%
81.5%	783	783	0	0.0%	81.5%	450	450	0	0.0%	81.5%	450	450	0	0.0%	81.5%	450	450	0	0.0%
82.7%	783	783	0	0.0%	82.7%	450	450	0	0.0%	82.7%	450	450	0	0.0%	82.7%	450	450	0	0.0%
84.0%	783	783	0	0.0%	84.0%	450	450	0	0.0%	84.0%	450	450	0	0.0%	84.0%	450	450	0	0.0%
85.2%	783	783	0	0.0%	85.2%	450	450	0	0.0%	85.2%	450	450	0	0.0%	85.2%	450	450	0	0.0%
86.4%	783	783	0	0.0%	86.4%	450	450	0	0.0%	86.4%	450	450	0	0.0%	86.4%	450	450	0	0.0%
87.7%	783	783	0	0.0%	87.7%	450	450	0	0.0%	87.7%	450	450	0	0.0%	87.7%	450	450	0	0.0%
88.9%	783	783	0	0.0%	88.9%	450	450	0	0.0%	88.9%	450	450	0	0.0%	88.9%	450	450	0	0.0%
90.1%	783	783	0	0.0%	90.1%	450	450	0	0.0%	90.1%	450	450	0	0.0%	90.1%	450	450	0	0.0%
91.4%	783	783	0	0.0%	91.4%	450	450	0	0.0%	91.4%	450	450	0	0.0%	91.4%	450	450	0	0.0%
92.6%	783	783	0	0.0%	92.6%	450	450	0	0.0%	92.6%	450	450	0	0.0%	92.6%	450	450	0	0.0%
93.8%	783	783	0	0.0%	93.8%	450	450	0	0.0%	93.8%	450	450	0	0.0%	93.8%	450	450	0	0.0%
95.1%	783	783	0	0.0%	95.1%	450	450	0	0.0%	95.1%	450	450	0	0.0%	95.1%	450	450	0	0.0%
96.3%	783	783	0	0.0%	96.3%	450	450	0	0.0%	96.3%	450	450	0	0.0%	96.3%	450	450	0	0.0%
97.5%	783	783	0	0.0%	97.5%	450	450	0	0.0%	97.5%	450	450	0	0.0%	97.5%	450	450	0	0.0%
98.8%	783	783	0	0.0%	98.8%	450	450	0	0.0%	98.8%	450	450	0	0.0%	98.8%	450	450	0	0.0%
100.0%	783	783	0	0.0%	100.0%	450	450	0	0.0%	100.0%	450	450	0	0.0%	100.0%	450	450	0	0.0%

Table SW-05-3a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Flow (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative A	964	307	314	503	150	345	406	159	552	1,758	1,828	1,629
Difference	-70	-37	57	83	55	75	17	-9	1	-54	-98	-37
Percent Difference[3]	-6.7%	-10.8%	22.2%	19.8%	58.3%	28.0%	4.3%	-5.6%	0.2%	-3.0%	-5.1%	-2.2%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative A	1,491	449	639	465	115	381	505	287	420	1,740	1,698	2,075
Difference	-101	-31	103	35	33	37	22	9	-1	-2	20	-60
Percent Difference	-6.4%	-6.5%	19.2%	8.2%		10.9%	4.6%	3.3%	-0.3%	-0.1%	1.2%	-2.8%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative A	925	319	237	269	58	452	591	21	166	1,549	1,832	1,858
Difference	-39	-119	-67	0	0	150	3	21	-1	132	-43	-100
Percent Difference	-4.0%	-27.1%	-22.2%	0.0%		49.7%	0.5%		-0.5%	9.3%	-2.3%	-5.1%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative A	518	164	188	334	282	411	289	61	660	1,467	1,714	1,378
Difference	89	-21	124	39	202	27	24	0	0	-70	-82	17
Percent Difference	20.8%	-11.5%		13.4%		7.0%	9.0%	0.0%	0.0%	-4.6%	-4.6%	1.3%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative A	781	303	101	653	203	273	277	149	920	2,081	2,016	1,411
Difference	-103	-30	0	245	37	132	55	-72	16	-19	-305	-57
Percent Difference	-11.7%	-9.0%	0.0%	60.1%	22.3%	93.9%	24.7%	-32.6%	1.7%	-0.9%	-13.2%	-3.9%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative A	652	158	152	794	82	190	339	150	549	1,858	1,959	1,053
Difference	-167	3	89	79	13	54	-46	3	-12	-387	-115	40
Percent Difference	-20.4%	1.6%		11.1%		40.2%	-11.9%	2.0%	-2.2%	-17.2%	-5.6%	4.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-05-3b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

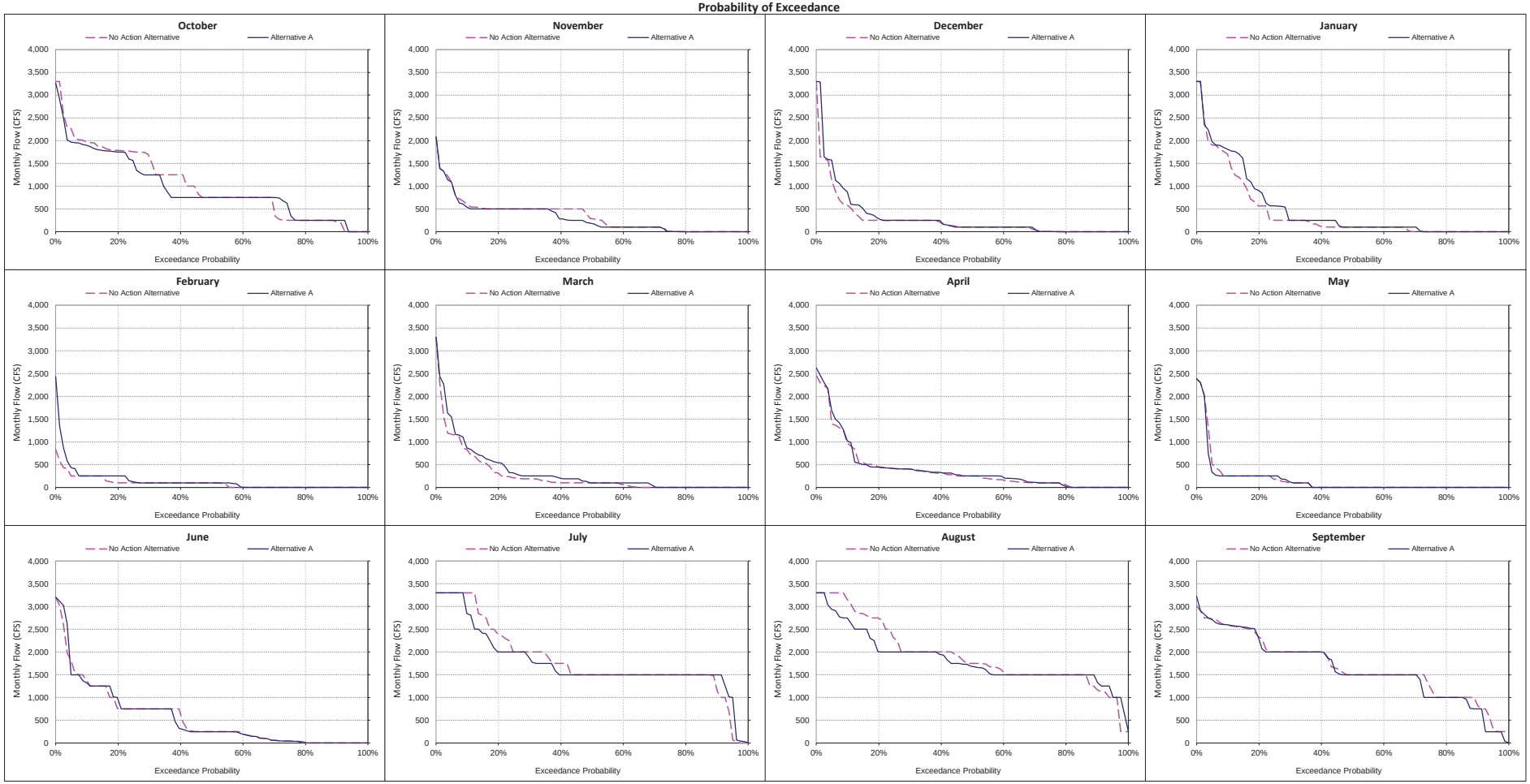

Table SW-05-3b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,270	-30	-0.9%
1.2%	3,300	2,906	-394	-11.9%
2.5%	2,591	2,500	-91	-3.5%
3.7%	2,286	2,019	-267	-11.7%
4.9%	2,264	1,969	-296	-13.1%
6.2%	2,044	1,956	-88	-4.3%
7.4%	2,019	1,950	-68	-3.4%
8.6%	2,010	1,914	-97	-4.8%
9.9%	1,969	1,897	-72	-3.7%
11.1%	1,956	1,870	-87	-4.4%
12.3%	1,950	1,825	-126	-6.4%
13.6%	1,870	1,803	-67	-3.6%
14.8%	1,869	1,787	-82	-4.4%
16.0%	1,825	1,772	-52	-2.9%
17.3%	1,803	1,770	-33	-1.8%
18.5%	1,787	1,758	-29	-1.6%
19.8%	1,787	1,749	-38	-2.1%
21.0%	1,781	1,747	-34	-1.9%
22.2%	1,772	1,744	-29	-1.6%
23.5%	1,770	1,596	-175	-9.9%
24.7%	1,758	1,566	-192	-10.9%
25.9%	1,749	1,352	-397	-22.7%
27.2%	1,747	1,286	-461	-26.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,000	-250	-20.0%
35.8%	1,250	869	-381	-30.5%
37.0%	1,250	750	-500	-40.0%
38.3%	1,250	750	-500	-40.0%
39.5%	1,250	750	-500	-40.0%
40.7%	1,250	750	-500	-40.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	750	0	0.0%
65.4%	750	750	0	0.0%
66.7%	750	750	0	0.0%
67.9%	750	750	0	0.0%
69.1%	750	750	0	0.0%
70.4%	334	750	416	124.7%
71.6%	272	738	466	171.3%
72.8%	250	675	425	170.0%
74.1%	250	624	374	149.8%
75.3%	250	345	95	37.9%
76.5%	250	254	4	1.7%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	202	250	48	24.0%
91.4%	190	250	60	31.5%
92.6%	0	250	250	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,146	-82	-6.6%
4.9%	1,086	1,086	0	0.0%
6.2%	793	801	8	1.1%
7.4%	723	631	-92	-12.7%
8.6%	674	606	-67	-10.0%
9.9%	606	539	-67	-11.1%
11.1%	543	500	-43	-7.9%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	499	-1	-0.2%
37.0%	500	456	-44	-8.8%
38.3%	500	418	-82	-16.3%
39.5%	500	283	-217	-43.4%
40.7%	500	279	-221	-44.1%
42.0%	500	254	-246	-49.3%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	250	-250	-50.0%
46.9%	499	250	-249	-49.9%
48.1%	398	204	-194	-48.8%
49.4%	290	188	-102	-35.1%
50.6%	279	171	-109	-38.8%
51.9%	254	127	-127	-50.0%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	-6	-5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	70	-30	-29.9%
74.1%	10	5	-5	
75.3%	5	1	-4	
76.5%	5	0	-5	
77.8%	1	0	-1	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,590	19	1.2%
4.9%	1,127	1,571	444	39.4%
6.2%	877	1,127	250	28.5%
7.4%	697	1,059	362	52.0%
8.6%	601	948	347	57.8%
9.9%	588	877	289	49.1%
11.1%	514	601	87	16.9%
12.3%	404	588	185	45.7%
13.6%	336	583	247	73.5%
14.8%	250	514	264	105.5%
16.0%	250	404	154	61.5%
17.3%	250	385	135	53.9%
18.5%	250	357	107	42.8%
19.8%	250	297	47	18.8%
21.0%	250	256	6	2.4%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	250	0	0.0%
38.3%	250	250	0	0.0%
39.5%	213	250	37	17.3%
40.7%	157	160	4	2.3%
42.0%	146	146	0	0.0%
43.2%	135	121	-14	-10.5%
44.4%	121	103	-18	-15.1%
45.7%	103	103	0	-0.2%
46.9%	103	102	0	-0.4%
48.1%	102	102	0	0.0%
49.4%	102	101	-1	-1.0%
50.6%	101	100	-1	-1.1%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	34	35	1	2.6%
71.6%	6	6	0	
72.8%	3	2	0	
74.1%	2	2	0	
75.3%	2	2	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,300	5	0.1%
2.5%	2,429	2,349	-80	-3.3%
3.7%	1,985	2,238	253	12.7%
4.9%	1,904	1,985	81	4.3%
6.2%	1,898	1,904	6	0.3%
7.4%	1,814	1,898	85	4.7%
8.6%	1,761	1,852	90	5.1%
9.9%	1,708	1,814	105	6.2%
11.1%	1,398	1,773	374	26.8%
12.3%	1,239	1,761	522	42.1%
13.6%	1,196	1,708	512	42.8%
14.8%	1,100	1,614	514	46.7%
16.0%	945	1,163	218	23.0%
17.3%	717	1,100	383	53.4%
18.5%	658	945	287	43.7%
19.8%	566	911	344	60.8%
21.0%	566	849	283	50.0%
22.2%	565	632	67	11.9%
23.5%	250	566	316	126.5%
24.7%	250	566	316	126.4%
25.9%	250	565	315	126.0%
27.2%	250	559	309	123.5%
28.4%	250	539	289	115.8%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	123	23	23.1%
46.9%	100	103	3	2.8%
48.1%	100	103	3	2.6%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	15	100	85	
69.1%	0	100	100	
70.4%	0	100	100	
71.6%	0	15	15	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-3b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	2,433	1,599	191.8%
1.2%	584	1,349	765	131.0%
2.5%	436	866	431	98.9%
3.7%	412	584	172	41.8%
4.9%	250	436	186	74.2%
6.2%	250	412	162	64.7%
7.4%	250	250	0	0.0%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	144	44	43.7%
24.7%	100	126	26	26.1%
25.9%	100	107	7	7.1%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	87	87	
58.0%	0	74	74	
59.3%	0	4	4	
60.5%	0	3	3	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,437	172	7.6%
2.5%	1,548	2,264	716	46.2%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,166	19	1.7%
7.4%	1,110	1,147	37	3.4%
8.6%	867	1,110	243	28.0%
9.9%	834	867	33	4.0%
11.1%	712	834	122	17.1%
12.3%	688	764	75	10.9%
13.6%	597	712	115	19.2%
14.8%	529	688	160	30.2%
16.0%	527	629	102	19.4%
17.3%	451	597	146	32.4%
18.5%	325	566	241	74.1%
19.8%	321	542	221	68.6%
21.0%	250	529	279	111.4%
22.2%	238	451	213	89.4%
23.5%	237	325	88	37.0%
24.7%	210	321	112	53.2%
25.9%	206	287	81	39.6%
27.2%	191	256	65	33.9%
28.4%	189	251	62	32.7%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.8%
37.0%	112	250	138	124.1%
38.3%	111	237	127	114.3%
39.5%	100	206	106	105.6%
40.7%	100	189	89	89.4%
42.0%	100	189	89	89.2%
43.2%	100	188	88	88.0%
44.4%	100	187	87	87.5%
45.7%	100	187	87	87.1%
46.9%	100	135	35	35.4%
48.1%	100	135	35	34.5%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	10	100	90	
65.4%	0	100	100	
66.7%	0	100	100	
67.9%	0	100	100	
69.1%	0	49	49	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,681	292	21.0%
6.2%	1,367	1,495	128	9.3%
7.4%	1,308	1,415	107	8.2%
8.6%	1,258	1,266	9	0.7%
9.9%	979	1,024	45	4.6%
11.1%	906	979	73	8.0%
12.3%	832	555	-278	-33.4%
13.6%	556	530	-26	-4.7%
14.8%	555	505	-50	-9.0%
16.0%	505	499	-6	-1.2%
17.3%	505	453	-52	-10.3%
18.5%	499	444	-54	-10.9%
19.8%	453	443	-10	-2.2%
21.0%	444	428	-16	-3.6%
22.2%	428	426	-3	-0.6%
23.5%	426	425	0	-0.1%
24.7%	418	413	-5	-1.1%
25.9%	413	408	-6	-1.3%
27.2%	408	404	-3	-0.8%
28.4%	403	403	0	0.0%
29.6%	403	403	0	0.0%
30.9%	393	393	0	0.0%
32.1%	390	365	-25	-6.3%
33.3%	365	363	-2	-0.5%
34.6%	350	357	7	2.1%
35.8%	331	350	19	5.8%
37.0%	329	332	2	0.7%
38.3%	314	331	17	5.3%
39.5%	313	329	16	5.2%
40.7%	312	314	2	0.6%
42.0%	281	313	32	11.4%
43.2%	277	312	35	12.6%
44.4%	250	281	31	12.3%
45.7%	250	277	27	10.8%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	201	250	49	24.5%
54.3%	200	250	50	25.1%
55.6%	189	250	61	32.6%
56.8%	177	250	73	41.5%
58.0%	170	250	80	47.2%
59.3%	170	247	78	45.8%
60.5%	152	201	49	32.2%
61.7%	139	200	61	44.1%
63.0%	133	195	62	46.3%
64.2%	122	189	67	55.2%
65.4%	115	177	62	54.0%
66.7%	112	146	34	30.6%
67.9%	110	115	5	4.4%
69.1%	100	112	12	12.1%
70.4%	100	110	10	9.9%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	79	47	-32	-41.0%
80.2%	47	14	-33	-70.5%
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	754	-578	-43.4%
4.9%	513	338	-175	-34.1%
6.2%	437	269	-168	-38.5%
7.4%	366	250	-116	-31.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	250	69	38.4%
25.9%	177	250	73	40.9%
27.2%	133	181	47	35.4%
28.4%	123	177	54	43.8%
29.6%	100	123	23	23.4%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-3b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,120	96	3.2%
2.5%	2,612	3,023	412	15.8%
3.7%	1,978	2,624	646	32.7%
4.9%	1,806	1,500	-306	-17.0%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,374	-126	-8.4%
9.9%	1,374	1,322	-52	-3.8%
11.1%	1,250	1,250	0	0.0%
12.3%	1,250	1,250	0	0.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,250	250	25.0%
18.5%	1,000	1,011	11	1.1%
19.8%	758	1,000	242	32.0%
21.0%	750	750	0	0.0%
22.2%	750	750	0	0.0%
23.5%	750	750	0	0.0%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	750	0	0.0%
38.3%	750	464	-286	-38.2%
39.5%	750	321	-429	-57.2%
40.7%	464	302	-162	-34.9%
42.0%	321	270	-51	-16.0%
43.2%	270	250	-20	-7.2%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	245	-5	-2.2%
59.3%	245	207	-37	-15.3%
60.5%	182	182	0	0.0%
61.7%	167	167	0	0.0%
63.0%	147	147	0	0.0%
64.2%	143	143	0	0.0%
65.4%	107	107	0	0.0%
66.7%	106	106	0	0.0%
67.9%	93	93	0	0.0%
69.1%	59	59	0	0.0%
70.4%	57	57	0	0.0%
71.6%	47	47	0	0.0%
72.8%	43	43	0	0.0%
74.1%	42	41	-1	-1.7%
75.3%	41	40	-1	-2.7%
76.5%	36	36	0	0.0%
77.8%	35	35	0	0.0%
79.0%	34	0	-34	-100.0%
80.2%	8	0	-8	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,300	0	0.0%
9.9%	3,300	2,846	-454	-13.8%
11.1%	3,300	2,808	-492	-14.9%
12.3%	3,300	2,500	-800	-24.2%
13.6%	2,846	2,500	-346	-12.2%
14.8%	2,808	2,416	-392	-14.0%
16.0%	2,750	2,400	-350	-12.7%
17.3%	2,500	2,250	-250	-10.0%
18.5%	2,500	2,090	-410	-16.4%
19.8%	2,400	2,000	-400	-16.7%
21.0%	2,359	2,000	-359	-15.2%
22.2%	2,296	2,000	-296	-12.9%
23.5%	2,250	2,000	-250	-11.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	1,896	-104	-5.2%
30.9%	2,000	1,770	-230	-11.5%
32.1%	2,000	1,750	-250	-12.5%
33.3%	2,000	1,750	-250	-12.5%
34.6%	2,000	1,750	-250	-12.5%
35.8%	1,896	1,750	-146	-7.7%
37.0%	1,770	1,750	-20	-1.1%
38.3%	1,750	1,584	-166	-9.5%
39.5%	1,750	1,500	-250	-14.3%
40.7%	1,750	1,500	-250	-14.3%
42.0%	1,750	1,500	-250	-14.3%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,500	500	50.0%
92.6%	1,000	1,250	250	25.0%
93.8%	692	1,011	320	46.2%
95.1%	66	1,000	934	
96.3%	29	66	37	
97.5%	0	43	43	
98.8%	0	33	33	
100.0%	0	8	8	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,040	-260	-7.9%
4.9%	3,300	2,938	-362	-11.0%
6.2%	3,300	2,906	-394	-11.9%
7.4%	3,300	2,772	-528	-16.0%
8.6%	3,300	2,750	-550	-16.7%
9.9%	3,157	2,750	-407	-12.9%
11.1%	3,047	2,634	-413	-13.5%
12.3%	2,894	2,500	-394	-13.6%
13.6%	2,851	2,500	-351	-12.3%
14.8%	2,848	2,500	-348	-12.2%
16.0%	2,806	2,500	-306	-10.9%
17.3%	2,750	2,303	-447	-16.3%
18.5%	2,750	2,250	-500	-18.2%
19.8%	2,750	2,008	-742	-27.0%
21.0%	2,702	2,000	-702	-26.0%
22.2%	2,500	2,000	-500	-20.0%
23.5%	2,500	2,000	-500	-20.0%
24.7%	2,315	2,000	-315	-13.6%
25.9%	2,250	2,000	-250	-11.1%
27.2%	2,008	2,000	-8	-0.4%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	1,949	-51	-2.5%
40.7%	2,000	1,933	-67	-3.3%
42.0%	2,000	1,821	-179	-9.0%
43.2%	2,000	1,752	-248	-12.4%
44.4%	1,949	1,750	-199	-10.2%
45.7%	1,901	1,750	-151	-8.0%
46.9%	1,821	1,734	-86	-4.7%
48.1%	1,752	1,729	-22	-1.3%
49.4%	1,750	1,692	-58	-3.3%
50.6%	1,750	1,676	-74	-4.2%
51.9%	1,750	1,656	-94	-5.4%
53.1%	1,750	1,654	-96	-5.5%
54.3%	1,734	1,613	-121	-7.0%
55.6%	1,676	1,520	-156	-9.3%
56.8%	1,673	1,500	-173	-10.3%
58.0%	1,656	1,500	-156	-9.4%
59.3%	1,613	1,500	-113	-7.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,500	250	20.0%
90.1%	1,161	1,324	164	14.1%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,250	132	11.9%
93.8%	1,000	1,250	250	25.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	1,000	746	293.8%
98.8%	250	624	374	149.7%
100.0%	250	250	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,228	212	7.0%
1.2%	2,907	2,907	0	0.0%
2.5%	2,750	2,830	80	2.9%
3.7%	2,750	2,750	0	0.0%
4.9%	2,725	2,715	-10	-0.4%
6.2%	2,715	2,647	-68	-2.5%
7.4%	2,647	2,611	-36	-1.4%
8.6%	2,606	2,606	0	0.0%
9.9%	2,599	2,599	0	0.0%
11.1%	2,570	2,582	12	0.4%
12.3%	2,566	2,570	5	0.2%
13.6%	2,550	2,566	15	0.6%
14.8%	2,541	2,550	10	0.4%
16.0%	2,514	2,541	27	1.1%
17.3%	2,500	2,520	20	0.8%
18.5%	2,445	2,514	68	2.8%
19.8%	2,342	2,338	-4	-0.2%
21.0%	2,281	2,071	-210	-9.2%
22.2%	2,061	2,000	-61	-3.0%
23.5%	2,000	2,000	0	0.0%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	1,993	-7	-0.4%
42.0%	1,895	1,870	-25	-1.3%
43.2%	1,673	1,830	156	9.3%
44.4%	1,649	1,567	-81	-4.9%
45.7%	1,619	1,517	-102	-6.3%
46.9%	1,548	1,500	-48	-3.1%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,395	-105	-7.0%
72.8%	1,500	1,000	-500	-33.3%
74.1%	1,320	1,000	-320	-24.2%
75.3%	1,163	1,000	-163	-14.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	962	-38	-3.8%
87.7%	1,000	759	-241	-24.1%
88.9%	1,000	750	-250	-25.0%
90.1%	816	750	-66	-8.1%
91.4%	750	750	0	0.0%
92.6%	750	250	-500	-66.7%
93.8%	570	250	-320	-56.2%
95.1%	301	250	-51	-16.9%
96.3%	250	250	0	0.0%
97.5%	250	250	0	0.0%
98.8%	250	42	-208	-83.2%
100.0%	250	0	-250	-100.0%

Table SW-06-3a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Flow (CFS)						
						Long-term						
Full Simulation Period[1]												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative A	187	187	189	197	197	191	191	265	181	156	85	148
Difference	2	0	0	0	0	-1	0	0	0	71	-1	0
Percent Difference[3]	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	83.9%	-1.6%	0.0%
						Water Year Types[2]						
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative A	200	200	200	220	220	200	200	277	200	91	85	150
Difference	0	0	0	0	0	0	0	0	0	6	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative A	200	200	200	192	196	196	196	277	200	241	85	150
Difference	0	0	0	0	0	-9	0	0	0	156	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%		0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative A	193	193	193	189	189	189	189	269	186	245	85	150
Difference	0	0	0	0	0	0	0	0	0	160	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative A	181	182	182	192	192	192	192	264	180	141	85	150
Difference	0	0	0	0	0	0	0	0	0	56	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	65.7%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative A	146	149	163	168	168	168	168	224	120	134	85	133
Difference	12	0	0	0	0	0	0	0	0	49	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	57.3%	-9.9%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

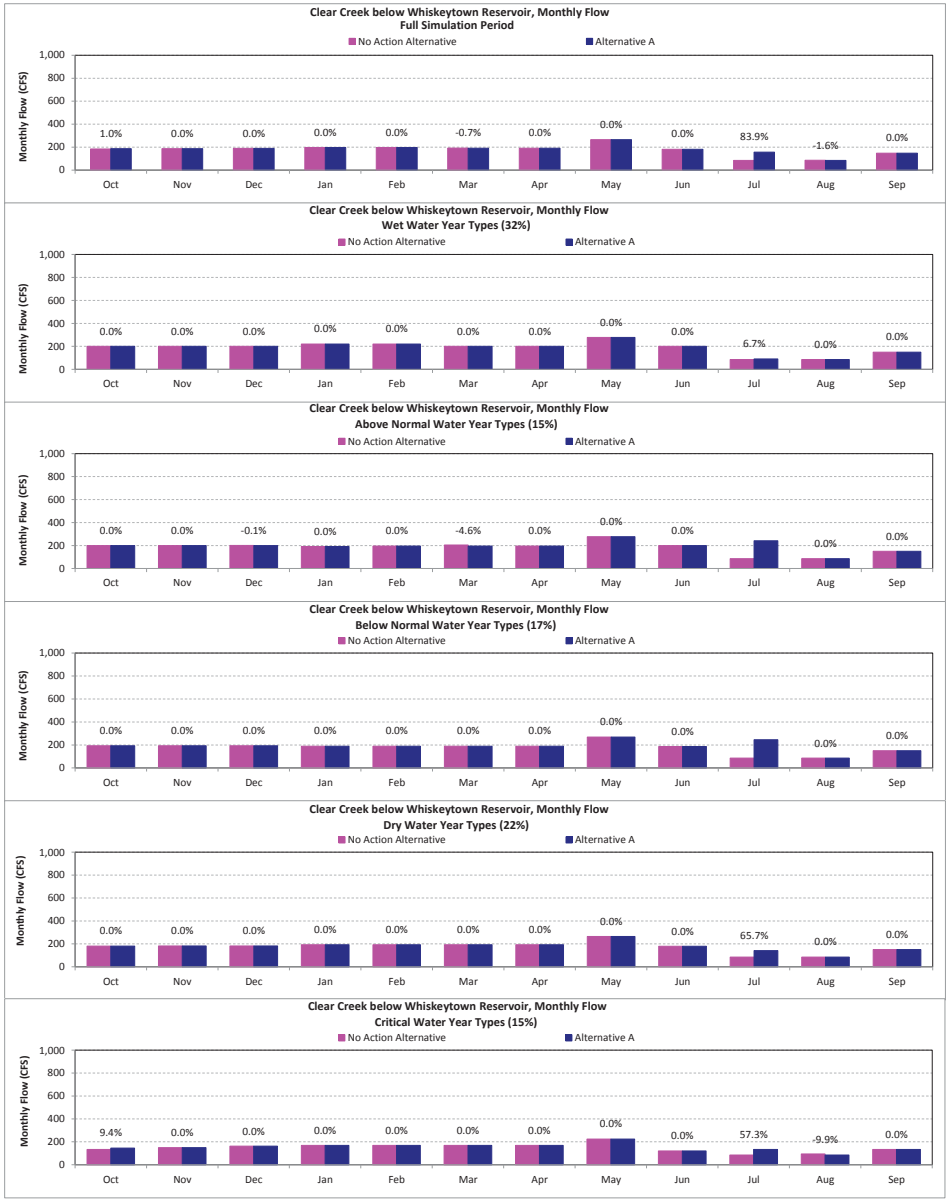

Figure SW-06-3b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

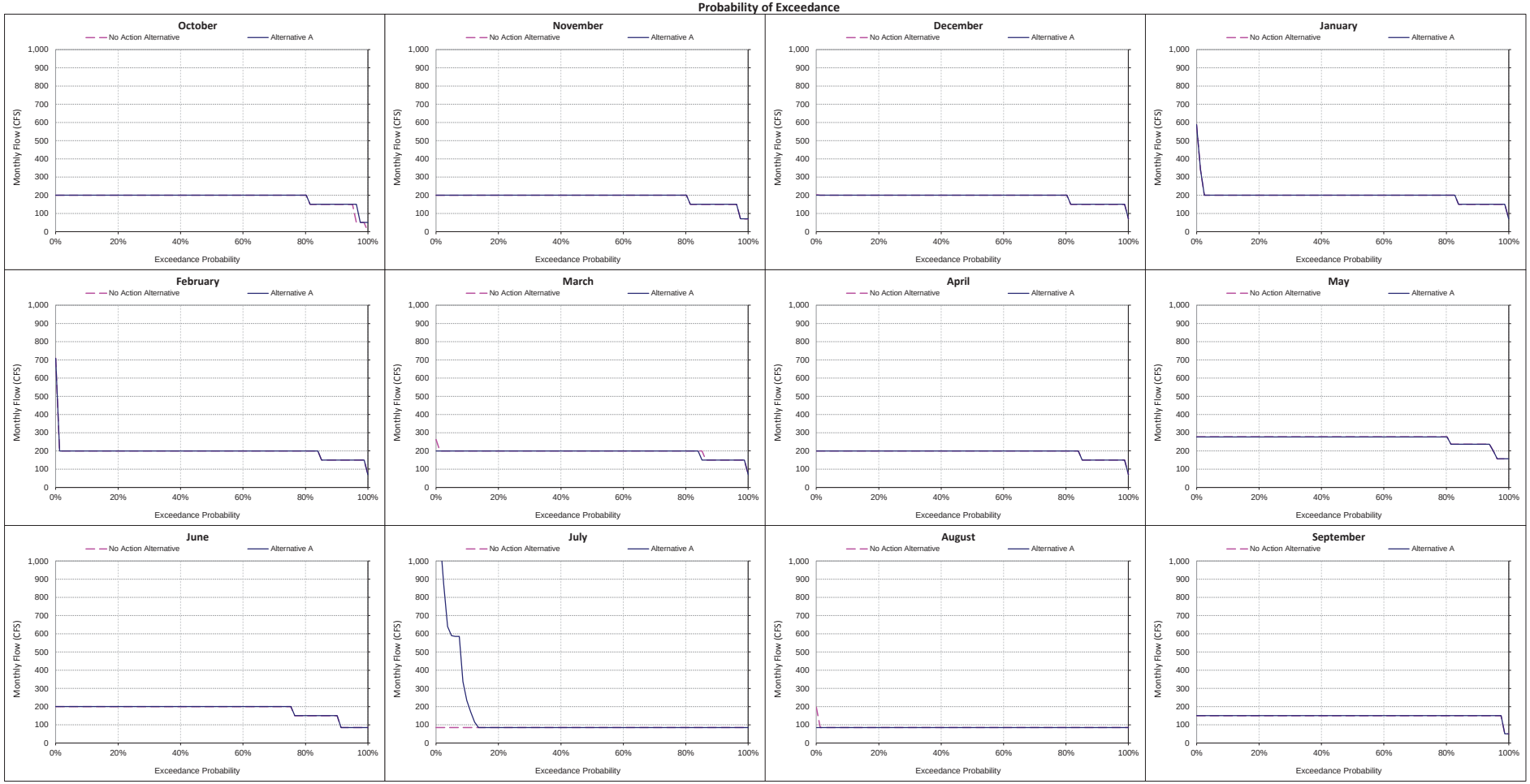

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%	0.0%	200	200	0	0.0%	0.0%	203	200	-3	-1.4%	0.0%	588	588	0	0.0%
1.2%	200	200	0	0.0%	1.2%	200	200	0	0.0%	1.2%	200	200	0	0.0%	1.2%	344	344	0	0.0%
2.5%	200	200	0	0.0%	2.5%	200	200	0	0.0%	2.5%	200	200	0	0.0%	2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%	3.7%	200	200	0	0.0%	3.7%	200	200	0	0.0%	3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%	4.9%	200	200	0	0.0%	4.9%	200	200	0	0.0%	4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%	6.2%	200	200	0	0.0%	6.2%	200	200	0	0.0%	6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%	7.4%	200	200	0	0.0%	7.4%	200	200	0	0.0%	7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%	8.6%	200	200	0	0.0%	8.6%	200	200	0	0.0%	8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%	9.9%	200	200	0	0.0%	9.9%	200	200	0	0.0%	9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%	11.1%	200	200	0	0.0%	11.1%	200	200	0	0.0%	11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%	12.3%	200	200	0	0.0%	12.3%	200	200	0	0.0%	12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%	13.6%	200	200	0	0.0%	13.6%	200	200	0	0.0%	13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%	14.8%	200	200	0	0.0%	14.8%	200	200	0	0.0%	14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%	16.0%	200	200	0	0.0%	16.0%	200	200	0	0.0%	16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%	17.3%	200	200	0	0.0%	17.3%	200	200	0	0.0%	17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%	18.5%	200	200	0	0.0%	18.5%	200	200	0	0.0%	18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%	19.8%	200	200	0	0.0%	19.8%	200	200	0	0.0%	19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%	21.0%	200	200	0	0.0%	21.0%	200	200	0	0.0%	21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%	22.2%	200	200	0	0.0%	22.2%	200	200	0	0.0%	22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%	23.5%	200	200	0	0.0%	23.5%	200	200	0	0.0%	23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%	24.7%	200	200	0	0.0%	24.7%	200	200	0	0.0%	24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%	25.9%	200	200	0	0.0%	25.9%	200	200	0	0.0%	25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%	27.2%	200	200	0	0.0%	27.2%	200	200	0	0.0%	27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%	28.4%	200	200	0	0.0%	28.4%	200	200	0	0.0%	28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%	29.6%	200	200	0	0.0%	29.6%	200	200	0	0.0%	29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%	30.9%	200	200	0	0.0%	30.9%	200	200	0	0.0%	30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%	32.1%	200	200	0	0.0%	32.1%	200	200	0	0.0%	32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%	33.3%	200	200	0	0.0%	33.3%	200	200	0	0.0%	33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%	34.6%	200	200	0	0.0%	34.6%	200	200	0	0.0%	34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%	35.8%	200	200	0	0.0%	35.8%	200	200	0	0.0%	35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%	37.0%	200	200	0	0.0%	37.0%	200	200	0	0.0%	37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%	38.3%	200	200	0	0.0%	38.3%	200	200	0	0.0%	38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%	39.5%	200	200	0	0.0%	39.5%	200	200	0	0.0%	39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%	40.7%	200	200	0	0.0%	40.7%	200	200	0	0.0%	40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%	42.0%	200	200	0	0.0%	42.0%	200	200	0	0.0%	42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%	43.2%	200	200	0	0.0%	43.2%	200	200	0	0.0%	43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%	44.4%	200	200	0	0.0%	44.4%	200	200	0	0.0%	44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%	45.7%	200	200	0	0.0%	45.7%	200	200	0	0.0%	45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%	46.9%	200	200	0	0.0%	46.9%	200	200	0	0.0%	46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%	48.1%	200	200	0	0.0%	48.1%	200	200	0	0.0%	48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%	49.4%	200	200	0	0.0%	49.4%	200	200	0	0.0%	49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%	50.6%	200	200	0	0.0%	50.6%	200	200	0	0.0%	50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%	51.9%	200	200	0	0.0%	51.9%	200	200	0	0.0%	51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%	53.1%	200	200	0	0.0%	53.1%	200	200	0	0.0%	53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%	54.3%	200	200	0	0.0%	54.3%	200	200	0	0.0%	54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%	55.6%	200	200	0	0.0%	55.6%	200	200	0	0.0%	55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%	56.8%	200	200	0	0.0%	56.8%	200	200	0	0.0%	56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%	58.0%	200	200	0	0.0%	58.0%	200	200	0	0.0%	58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%	59.3%	200	200	0	0.0%	59.3%	200	200	0	0.0%	59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%	60.5%	200	200	0	0.0%	60.5%	200	200	0	0.0%	60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%	61.7%	200	200	0	0.0%	61.7%	200	200	0	0.0%	61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%	63.0%	200	200	0	0.0%	63.0%	200	200	0	0.0%	63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%	64.2%	200	200	0	0.0%	64.2%	200	200	0	0.0%	64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%	65.4%	200	200	0	0.0%	65.4%	200	200	0	0.0%	65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%	66.7%	200	200	0	0.0%	66.7%	200	200	0	0.0%	66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%	67.9%	200	200	0	0.0%	67.9%	200	200	0	0.0%	67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%	69.1%	200	200	0	0.0%	69.1%	200	200	0	0.0%	69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%	70.4%	200	200	0	0.0%	70.4%	200	200	0	0.0%	70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%	71.6%	200	200	0	0.0%	71.6%	200	200	0	0.0%	71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%	72.8%	200	200	0	0.0%	72.8%	200	200	0	0.0%	72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%	74.1%	200	200	0	0.0%	74.1%	200	200	0	0.0%	74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%	75.3%	200	200	0	0.0%	75.3%	200	200	0	0.0%	75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%	76.5%	200	200	0	0.0%	76.5%	200	200	0	0.0%	76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%	77.8%	200	200	0	0.0%	77.8%	200	200	0	0.0%	77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%	79.0%	200	200	0	0.0%	79.0%	200	200	0	0.0%	79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%	80.2%	200	200	0	0.0%	80.2%	200	200	0	0.0%	80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%	81.5%	150	150	0	0.0%	81.5%	150	150	0	0.0%	81.5%	200	200	0	0.0%
82.7%	150	150	0	0.0%	82.7%	150	150	0	0.0%	82.7%	150	150	0	0.0%	82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%	84.0%	150	150	0	0.0%	84.0%	150	150	0	0.0%	84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%	85.2%	150	150	0	0.0%	85.2%	150	150	0	0.0%	85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%	86.4%	150	150	0	0.0%	86.4%	150	150	0	0.0%	86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%	87.7%	150	150	0	0.0%	87.7%	150	150	0	0.0%	87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%	88.9%	150	150	0	0.0%	88.9%	150	150	0	0.0%	88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%	90.1%	150	150	0	0.0%	90.1%	150	150	0	0.0%	90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%	91.4%	150	150	0	0.0%	91.4%	150	150	0	0.0%	91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%	92.6%	150	150	0	0.0%	92.6%	150	150	0	0.0%	92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%	93.8%	150	150	0	0.0%	93.8%	150	150	0	0.0%	93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%	95.1%	150	150	0	0.0%	95.1%	150	150	0	0.0%	95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%	96.3%	150	150	0	0.0%	96.3%	150	150	0	0.0%	96.3%	150	150	0	0.0%
97.5%	50	50	0	0.0%	97.5%	70	70	0	0.0%	97.5%	150	150	0	0.0%	97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%	98.8%	70	70	0	0.0%	98.8%	150	150	0	0.0%	98.8%	150	150	0	0.0%
100.0%	0	50	50		100.0%	70	70	0	0.0%	100.0%	70	70	0	0.0%	100.0%	70	70	0	0.0%

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	710	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%	0.0%	85	1,509	1,424		0.0%	197	85	-112	-56.8%	0.0%	150	150	0	0.0%
1.2%	200	200	0	0.0%	1.2%	85	1,150	1,065		1.2%	85	85	0	0.0%	1.2%	150	150	0	0.0%
2.5%	200	200	0	0.0%	2.5%	85	872	787	926.0%	2.5%	85	85	0	0.0%	2.5%	150	150	0	0.0%
3.7%	200	200	0	0.0%	3.7%	85	640	555	653.2%	3.7%	85	85	0	0.0%	3.7%	150	150	0	0.0%
4.9%	200	200	0	0.0%	4.9%	85	591	506	594.7%	4.9%	85	85	0	0.0%	4.9%	150	150	0	0.0%
6.2%	200	200	0	0.0%	6.2%	85	585	500	588.2%	6.2%	85	85	0	0.0%	6.2%	150	150	0	0.0%
7.4%	200	200	0	0.0%	7.4%	85	585	500	588.2%	7.4%	85	85	0	0.0%	7.4%	150	150	0	0.0%
8.6%	200	200	0	0.0%	8.6%	85	337	252	296.0%	8.6%	85	85	0	0.0%	8.6%	150	150	0	0.0%
9.9%	200	200	0	0.0%	9.9%	85	233	148	173.6%	9.9%	85	85	0	0.0%	9.9%	150	150	0	0.0%
11.1%	200	200	0	0.0%	11.1%	85	170	85	99.6%	11.1%	85	85	0	0.0%	11.1%	150	150	0	0.0%
12.3%	200	200	0	0.0%	12.3%	85	115	30	35.0%	12.3%	85	85	0	0.0%	12.3%	150	150	0	0.0%
13.6%	200	200	0	0.0%	13.6%	85	85	0	0.0%	13.6%	85	85	0	0.0%	13.6%	150	150	0	0.0%
14.8%	200	200	0	0.0%	14.8%	85	85	0	0.0%	14.8%	85	85	0	0.0%	14.8%	150	150	0	0.0%
16.0%	200	200	0	0.0%	16.0%	85	85	0	0.0%	16.0%	85	85	0	0.0%	16.0%	150	150	0	0.0%
17.3%	200	200	0	0.0%	17.3%	85	85	0	0.0%	17.3%	85	85	0	0.0%	17.3%	150	150	0	0.0%
18.5%	200	200	0	0.0%	18.5%	85	85	0	0.0%	18.5%	85	85	0	0.0%	18.5%	150	150	0	0.0%
19.8%	200	200	0	0.0%	19.8%	85	85	0	0.0%	19.8%	85	85	0	0.0%	19.8%	150	150	0	0.0%
21.0%	200	200	0	0.0%	21.0%	85	85	0	0.0%	21.0%	85	85	0	0.0%	21.0%	150	150	0	0.0%
22.2%	200	200	0	0.0%	22.2%	85	85	0	0.0%	22.2%	85	85	0	0.0%	22.2%	150	150	0	0.0%
23.5%	200	200	0	0.0%	23.5%	85	85	0	0.0%	23.5%	85	85	0	0.0%	23.5%	150	150	0	0.0%
24.7%	200	200	0	0.0%	24.7%	85	85	0	0.0%	24.7%	85	85	0	0.0%	24.7%	150	150	0	0.0%
25.9%	200	200	0	0.0%	25.9%	85	85	0	0.0%	25.9%	85	85	0	0.0%	25.9%	150	150	0	0.0%
27.2%	200	200	0	0.0%	27.2%	85	85	0	0.0%	27.2%	85	85	0	0.0%	27.2%	150	150	0	0.0%
28.4%	200	200	0	0.0%	28.4%	85	85	0	0.0%	28.4%	85	85	0	0.0%	28.4%	150	150	0	0.0%
29.6%	200	200	0	0.0%	29.6%	85	85	0	0.0%	29.6%	85	85	0	0.0%	29.6%	150	150	0	0.0%
30.9%	200	200	0	0.0%	30.9%	85	85	0	0.0%	30.9%	85	85	0	0.0%	30.9%	150	150	0	0.0%
32.1%	200	200	0	0.0%	32.1%	85	85	0	0.0%	32.1%	85	85	0	0.0%	32.1%	150	150	0	0.0%
33.3%	200	200	0	0.0%	33.3%	85	85	0	0.0%	33.3%	85	85	0	0.0%	33.3%	150	150	0	0.0%
34.6%	200	200	0	0.0%	34.6%	85	85	0	0.0%	34.6%	85	85	0	0.0%	34.6%	150	150	0	0.0%
35.8%	200	200	0	0.0%	35.8%	85	85	0	0.0%	35.8%	85	85	0	0.0%	35.8%	150	150	0	0.0%
37.0%	200	200	0	0.0%	37.0%	85	85	0	0.0%	37.0%	85	85	0	0.0%	37.0%	150	150	0	0.0%
38.3%	200	200	0	0.0%	38.3%	85	85	0	0.0%	38.3%	85	85	0	0.0%	38.3%	150	150	0	0.0%
39.5%	200	200	0	0.0%	39.5%	85	85	0	0.0%	39.5%	85	85	0	0.0%	39.5%	150	150	0	0.0%
40.7%	200	200	0	0.0%	40.7%	85	85	0	0.0%	40.7%	85	85	0	0.0%	40.7%	150	150	0	0.0%
42.0%	200	200	0	0.0%	42.0%	85	85	0	0.0%	42.0%	85	85	0	0.0%	42.0%	150	150	0	0.0%
43.2%	200	200	0	0.0%	43.2%	85	85	0	0.0%	43.2%	85	85	0	0.0%	43.2%	150	150	0	0.0%
44.4%	200	200	0	0.0%	44.4%	85	85	0	0.0%	44.4%	85	85	0	0.0%	44.4%	150	150	0	0.0%
45.7%	200	200	0	0.0%	45.7%	85	85	0	0.0%	45.7%	85	85	0	0.0%	45.7%	150	150	0	0.0%
46.9%	200	200	0	0.0%	46.9%	85	85	0	0.0%	46.9%	85	85	0	0.0%	46.9%	150	150	0	0.0%
48.1%	200	200	0	0.0%	48.1%	85	85	0	0.0%	48.1%	85	85	0	0.0%	48.1%	150	150	0	0.0%
49.4%	200	200	0	0.0%	49.4%	85	85	0	0.0%	49.4%	85	85	0	0.0%	49.4%	150	150	0	0.0%
50.6%	200	200	0	0.0%	50.6%	85	85	0	0.0%	50.6%	85	85	0	0.0%	50.6%	150	150	0	0.0%
51.9%	200	200	0	0.0%	51.9%	85	85	0	0.0%	51.9%	85	85	0	0.0%	51.9%	150	150	0	0.0%
53.1%	200	200	0	0.0%	53.1%	85	85	0	0.0%	53.1%	85	85	0	0.0%	53.1%	150	150	0	0.0%
54.3%	200	200	0	0.0%	54.3%	85	85	0	0.0%	54.3%	85	85	0	0.0%	54.3%	150	150	0	0.0%
55.6%	200	200	0	0.0%	55.6%	85	85	0	0.0%	55.6%	85	85	0	0.0%	55.6%	150	150	0	0.0%
56.8%	200	200	0	0.0%	56.8%	85	85	0	0.0%	56.8%	85	85	0	0.0%	56.8%	150	150	0	0.0%
58.0%	200	200	0	0.0%	58.0%	85	85	0	0.0%	58.0%	85	85	0	0.0%	58.0%	150	150	0	0.0%
59.3%	200	200	0	0.0%	59.3%	85	85	0	0.0%	59.3%	85	85	0	0.0%	59.3%	150	150	0	0.0%
60.5%	200	200	0	0.0%	60.5%	85	85	0	0.0%	60.5%	85	85	0	0.0%	60.5%	150	150	0	0.0%
61.7%	200	200	0	0.0%	61.7%	85	85	0	0.0%	61.7%	85	85	0	0.0%	61.7%	150	150	0	0.0%
63.0%	200	200	0	0.0%	63.0%	85	85	0	0.0%	63.0%	85	85	0	0.0%	63.0%	150	150	0	0.0%
64.2%	200	200	0	0.0%	64.2%	85	85	0	0.0%	64.2%	85	85	0	0.0%	64.2%	150	150	0	0.0%
65.4%	200	200	0	0.0%	65.4%	85	85	0	0.0%	65.4%	85	85	0	0.0%	65.4%	150	150	0	0.0%
66.7%	200	200	0	0.0%	66.7%	85	85	0	0.0%	66.7%	85	85	0	0.0%	66.7%	150	150	0	0.0%
67.9%	200	200	0	0.0%	67.9%	85	85	0	0.0%	67.9%	85	85	0	0.0%	67.9%	150	150	0	0.0%
69.1%	200	200	0	0.0%	69.1%	85	85	0	0.0%	69.1%	85	85	0	0.0%	69.1%	150	150	0	0.0%
70.4%	200	200	0	0.0%	70.4%	85	85	0	0.0%	70.4%	85	85	0	0.0%	70.4%	150	150	0	0.0%
71.6%	200	200	0	0.0%	71.6%	85	85	0	0.0%	71.6%	85	85	0	0.0%	71.6%	150	150	0	0.0%
72.8%	200	200	0	0.0%	72.8%	85	85	0	0.0%	72.8%	85	85	0	0.0%	72.8%	150	150	0	0.0%
74.1%	200	200	0	0.0%	74.1%	85	85	0	0.0%	74.1%	85	85	0	0.0%	74.1%	150	150	0	0.0%
75.3%	200	200	0	0.0%	75.3%	85	85	0	0.0%	75.3%	85	85	0	0.0%	75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%	76.5%	85	85	0	0.0%	76.5%	85	85	0	0.0%	76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%	77.8%	85	85	0	0.0%	77.8%	85	85	0	0.0%	77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%	79.0%	85	85	0	0.0%	79.0%	85	85	0	0.0%	79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%	80.2%	85	85	0	0.0%	80.2%	85	85	0	0.0%	80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%	81.5%	85	85	0	0.0%	81.5%	85	85	0	0.0%	81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%	82.7%	85	85	0	0.0%	82.7%	85	85	0	0.0%	82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%	84.0%	85	85	0	0.0%	84.0%	85	85	0	0.0%	84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%	85.2%	85	85	0	0.0%	85.2%	85	85	0	0.0%	85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%	86.4%	85	85	0	0.0%	86.4%	85	85	0	0.0%	86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%	87.7%	85	85	0	0.0%	87.7%	85	85	0	0.0%	87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%	88.9%	85	85	0	0.0%	88.9%	85	85	0	0.0%	88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%	90.1%	85	85	0	0.0%	90.1%	85	85	0	0.0%	90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%	91.4%	85	85	0	0.0%	91.4%	85	85	0	0.0%	91.4%	150	150	0	0.0%
92.6%	85	85	0	0.0%	92.6%	85	85	0	0.0%	92.6%	85	85	0	0.0%	92.6%	150	150	0	0.0%
93.8%	85	85	0	0.0%	93.8%	85	85	0	0.0%	93.8%	85	85	0	0.0%	93.8%	150	150	0	0.0%
95.1%	85	85	0	0.0%	95.1%	85	85	0	0.0%	95.1%	85	85	0	0.0%	95.1%	150	150	0	0.0%
96.3%	85	85	0	0.0%	96.3%	85	85	0	0.0%	96.3%	85	85	0	0.0%	96.3%	150	150	0	0.0%
97.5%	85	85	0	0.0%	97.5%	85	85	0	0.0%	97.5%	85	85	0	0.0%	97.5%	150	150	0	0.0%
98.8%	85	85	0	0.0%	98.8%	85	85	0	0.0%	98.8%	85	85	0	0.0%	98.8%	50	50	0	0.0%
100.0%	85	85	0	0.0%	100.0%	85	85	0	0.0%	100.0%	85	85	0	0.0%	100.0%	50	50	0	0.0%

Table SW-07-3a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative A	2,648	2,634	2,753	3,003	3,256	3,626	3,946	3,994	3,709	3,228	2,900	2,731
Difference	91	87	41	20	-5	11	33	50	75	80	87	101
Percent Difference[3]	3.6%	3.4%	1.5%	0.7%	-0.2%	0.3%	0.8%	1.3%	2.1%	2.5%	3.1%	3.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative A	3,088	3,011	3,107	3,423	3,628	3,857	4,316	4,470	4,280	3,880	3,551	3,194
Difference	36	68	9	6	-13	-3	0	-2	-8	13	32	59
Percent Difference	1.2%	2.3%	0.3%	0.2%	-0.4%	-0.1%	0.0%	0.0%	-0.2%	0.3%	0.9%	1.9%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative A	3,051	2,965	3,060	3,129	3,383	3,945	4,385	4,458	4,142	3,586	3,272	3,152
Difference	99	79	3	5	-24	-10	-16	-19	24	42	72	117
Percent Difference	3.4%	2.7%	0.1%	0.2%	-0.7%	-0.3%	-0.4%	-0.4%	0.6%	1.2%	2.3%	3.8%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative A	2,905	2,955	2,997	2,955	3,291	3,700	4,066	4,104	3,816	3,309	3,005	2,943
Difference	59	30	-12	10	-12	3	-4	8	54	56	88	83
Percent Difference	2.1%	1.0%	-0.4%	0.3%	-0.4%	0.1%	-0.1%	0.2%	1.4%	1.7%	3.0%	2.9%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative A	2,499	2,559	2,767	2,833	3,155	3,658	3,867	3,830	3,488	2,964	2,628	2,564
Difference	176	147	101	6	-34	-6	57	105	149	135	142	151
Percent Difference	7.6%	6.1%	3.8%	0.2%	-1.1%	-0.2%	1.5%	2.8%	4.5%	4.8%	5.7%	6.3%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative A	1,217	1,228	1,371	2,276	2,432	2,674	2,683	2,612	2,244	1,760	1,402	1,308
Difference	112	116	118	96	83	96	159	196	220	206	136	121
Percent Difference	10.1%	10.5%	9.4%	4.4%	3.5%	3.7%	6.3%	8.1%	10.9%	13.2%	10.7%	10.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

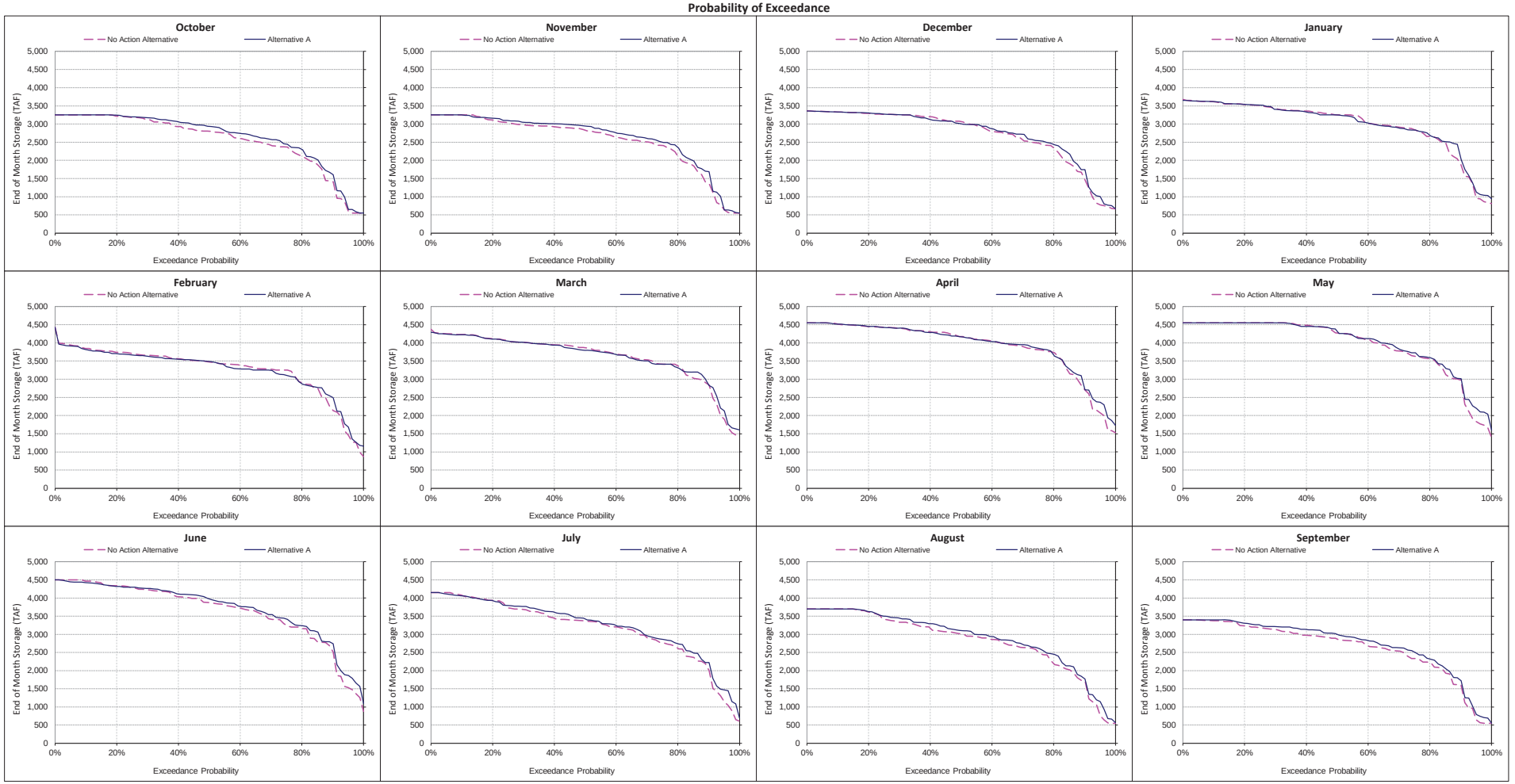

Table SW-07-3b

Shasta Lake, End of Month Storage

Probability of Exceedance

Percent Exceedance Probability (%)	October				November				December				January			
	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (TAF)	Relative Difference (%)
	End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)			End of Month Storage (TAF)	End of Month Storage (TAF)		
0.0%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,367	3,360	-7	-0.2%	3,678	3,650	-28	-0.8%
1.2%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,360	3,355	-5	-0.2%	3,650	3,648	-2	-0.1%
2.5%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,350	3,349	-1	0.0%	3,648	3,640	-8	-0.2%
3.7%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,349	3,349	0	0.0%	3,640	3,640	0	0.0%
4.9%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,349	3,346	-3	-0.1%	3,633	3,633	0	0.0%
6.2%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,346	3,345	-1	0.0%	3,624	3,627	3	0.1%
7.4%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,338	3,338	0	0.0%	3,624	3,624	0	0.0%
8.6%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,335	3,335	0	0.0%	3,622	3,622	0	0.0%
9.9%	3,250	3,250	0	0.0%	3,252	3,252	0	0.0%	3,330	3,329	-2	-0.1%	3,616	3,616	0	0.0%
11.1%	3,250	3,250	0	0.0%	3,252	3,241	-11	-0.3%	3,328	3,328	0	0.0%	3,604	3,615	11	0.3%
12.3%	3,250	3,250	0	0.0%	3,252	3,237	-15	-0.5%	3,322	3,322	0	0.0%	3,571	3,604	33	0.9%
13.6%	3,250	3,250	0	0.0%	3,252	3,195	-57	-1.8%	3,319	3,319	0	0.0%	3,554	3,563	9	0.2%
14.8%	3,250	3,250	0	0.0%	3,214	3,186	-27	-0.8%	3,317	3,317	0	0.0%	3,552	3,558	6	0.2%
16.0%	3,250	3,250	0	0.0%	3,194	3,183	-11	-0.3%	3,316	3,316	0	0.0%	3,552	3,552	0	0.0%
17.3%	3,250	3,250	0	0.0%	3,153	3,182	29	0.9%	3,310	3,313	3	0.1%	3,551	3,552	1	0.0%
18.5%	3,250	3,249	-1	0.0%	3,122	3,167	45	1.4%	3,297	3,310	13	0.4%	3,550	3,551	1	0.0%
19.8%	3,217	3,245	28	0.9%	3,110	3,163	53	1.7%	3,293	3,306	13	0.4%	3,541	3,541	0	0.0%
21.0%	3,210	3,238	28	0.9%	3,101	3,157	56	1.8%	3,285	3,293	8	0.2%	3,531	3,541	10	0.3%
22.2%	3,209	3,209	1	0.0%	3,061	3,149	87	2.9%	3,276	3,291	15	0.5%	3,528	3,531	3	0.1%
23.5%	3,198	3,204	6	0.2%	3,049	3,102	54	1.8%	3,274	3,285	11	0.3%	3,515	3,528	13	0.4%
24.7%	3,186	3,200	14	0.4%	3,046	3,101	55	1.8%	3,267	3,276	9	0.3%	3,515	3,515	0	0.0%
25.9%	3,184	3,199	15	0.5%	3,019	3,087	67	2.2%	3,267	3,267	0	0.0%	3,489	3,515	26	0.7%
27.2%	3,173	3,191	18	0.6%	3,001	3,084	83	2.8%	3,265	3,265	0	0.0%	3,475	3,486	11	0.3%
28.4%	3,160	3,185	25	0.8%	2,988	3,079	91	3.0%	3,262	3,263	1	0.0%	3,461	3,482	20	0.6%
29.6%	3,121	3,176	55	1.8%	2,987	3,051	64	2.1%	3,252	3,260	8	0.2%	3,445	3,405	-40	-1.2%
30.9%	3,110	3,171	61	2.0%	2,966	3,044	78	2.6%	3,252	3,252	0	0.0%	3,404	3,400	-4	-0.1%
32.1%	3,061	3,163	102	3.3%	2,963	3,040	78	2.6%	3,252	3,252	0	0.0%	3,391	3,389	-2	-0.1%
33.3%	3,055	3,137	82	2.7%	2,954	3,026	72	2.4%	3,249	3,252	3	0.1%	3,389	3,371	-18	-0.5%
34.6%	3,048	3,123	76	2.5%	2,954	3,023	69	2.3%	3,243	3,212	-31	-0.9%	3,382	3,368	-14	-0.4%
35.8%	3,033	3,123	90	3.0%	2,947	3,016	69	2.3%	3,231	3,187	-44	-1.4%	3,371	3,367	-4	-0.1%
37.0%	3,029	3,099	70	2.3%	2,945	3,015	70	2.4%	3,214	3,172	-42	-1.3%	3,368	3,366	-2	-0.1%
38.3%	2,946	3,084	138	4.7%	2,942	3,008	65	2.2%	3,207	3,169	-38	-1.2%	3,366	3,358	-8	-0.2%
39.5%	2,931	3,068	137	4.7%	2,933	3,007	73	2.5%	3,204	3,135	-70	-2.2%	3,358	3,339	-20	-0.6%
40.7%	2,931	3,042	111	3.8%	2,918	3,003	85	2.9%	3,194	3,103	-91	-2.8%	3,358	3,317	-41	-1.2%
42.0%	2,871	3,038	166	5.8%	2,907	3,001	94	3.2%	3,168	3,100	-68	-2.1%	3,339	3,312	-26	-0.8%
43.2%	2,866	3,032	165	5.8%	2,905	2,998	93	3.2%	3,123	3,089	-34	-1.1%	3,326	3,296	-30	-0.9%
44.4%	2,863	2,994	131	4.6%	2,894	2,987	94	3.2%	3,114	3,082	-31	-1.0%	3,317	3,252	-65	-2.0%
45.7%	2,825	2,977	153	5.4%	2,887	2,983	95	3.3%	3,087	3,081	-6	-0.2%	3,296	3,252	-44	-1.3%
46.9%	2,812	2,977	165	5.9%	2,878	2,970	91	3.2%	3,084	3,077	-7	-0.2%	3,286	3,252	-34	-1.0%
48.1%	2,804	2,970	165	5.9%	2,875	2,964	90	3.1%	3,080	3,029	-51	-1.7%	3,275	3,252	-23	-0.7%
49.4%	2,804	2,941	137	4.9%	2,849	2,951	102	3.6%	3,078	3,019	-59	-1.9%	3,252	3,252	0	0.0%
50.6%	2,796	2,932	136	4.9%	2,812	2,938	126	4.5%	3,056	2,995	-61	-2.0%	3,252	3,243	-9	-0.3%
51.9%	2,775	2,920	144	5.2%	2,808	2,930	121	4.3%	3,005	2,989	-16	-0.5%	3,252	3,233	-19	-0.6%
53.1%	2,769	2,907	137	5.0%	2,780	2,885	104	3.8%	2,991	2,987	-3	-0.1%	3,252	3,223	-29	-0.9%
54.3%	2,758	2,849	91	3.3%	2,764	2,881	117	4.2%	2,979	2,984	5	0.2%	3,252	3,212	-40	-1.2%
55.6%	2,758	2,793	35	1.3%	2,761	2,841	80	2.9%	2,940	2,982	42	1.4%	3,228	3,179	-49	-1.5%
56.8%	2,709	2,768	58	2.2%	2,715	2,832	117	4.3%	2,921	2,939	18	0.6%	3,224	3,063	-161	-5.0%
58.0%	2,622	2,762	140	5.3%	2,696	2,801	105	3.9%	2,864	2,938	75	2.6%	3,148	3,057	-91	-2.9%
59.3%	2,610	2,751	142	5.4%	2,650	2,775	126	4.7%	2,804	2,885	81	2.9%	3,019	3,040	21	0.7%
60.5%	2,598	2,735	136	5.3%	2,630	2,746	116	4.4%	2,792	2,862	71	2.5%	3,017	3,019	2	0.1%
61.7%	2,569	2,728	159	6.2%	2,609	2,736	128	4.9%	2,775	2,810	36	1.3%	2,998	2,991	-8	-0.3%
63.0%	2,540	2,708	169	6.6%	2,580	2,714	134	5.2%	2,771	2,800	30	1.1%	2,980	2,976	-4	-0.1%
64.2%	2,537	2,675	138	5.5%	2,564	2,691	128	5.0%	2,739	2,797	58	2.1%	2,976	2,954	-22	-0.7%
65.4%	2,515	2,654	139	5.5%	2,555	2,689	134	5.2%	2,728	2,754	26	0.9%	2,966	2,946	-20	-0.7%
66.7%	2,502	2,616	114	4.6%	2,555	2,643	87	3.4%	2,712	2,753	41	1.5%	2,960	2,939	-21	-0.7%
67.9%	2,450	2,614	164	6.7%	2,528	2,641	113	4.5%	2,625	2,722	97	3.7%	2,938	2,917	-20	-0.7%
69.1%	2,443	2,590	147	6.0%	2,512	2,627	114	4.6%	2,618	2,721	103	3.9%	2,924	2,914	-10	-0.3%
70.4%	2,400	2,570	171	7.1%	2,504	2,595	91	3.6%	2,535	2,718	183	7.2%	2,913	2,884	-28	-1.0%
71.6%	2,395	2,569	174	7.3%	2,487	2,593	106	4.3%	2,528	2,593	64	2.5%	2,894	2,875	-19	-0.6%
72.8%	2,373	2,543	170	7.2%	2,414	2,565	151	6.3%	2,496	2,577	81	3.3%	2,890	2,838	-51	-1.8%
74.1%	2,372	2,461	88	3.7%	2,412	2,517	105	4.4%	2,485	2,546	61	2.4%	2,877	2,836	-41	-1.4%
75.3%	2,365	2,445	80	3.4%	2,409	2,495	86	3.6%	2,469	2,540	71	2.9%	2,836	2,831	-5	-0.2%
76.5%	2,268	2,361	93	4.1%	2,349	2,494	145	6.2%	2,413	2,525	113	4.7%	2,789	2,796	7	0.2%
77.8%	2,200	2,352	152	6.9%	2,313	2,440	126	5.5%	2,412	2,490	79	3.3%	2,749	2,787	38	1.4%
79.0%	2,147	2,345	198	9.2%	2,241	2,430	189	8.4%	2,410	2,473	63	2.6%	2,662	2,759	97	3.6%
80.2%	2,108	2,291	182	8.6%	2,081	2,337	256	12.3%	2,327	2,429	102	4.4%	2,656	2,674	18	0.7%
81.5%	2,045	2,108	63	3.1%	1,974	2,154	180	9.1%	2,210	2,399	189	8.6%	2,645	2,632	-13	-0.5%
82.7%	1,983	2,102	120	6.0%	1,934	2,080	147	7.6%	2,071	2,310	239	11.5%	2,576	2,617	40	1.6%
84.0%	1,960	2,065	106	5.4%	1,915	2,030	115	6.0%	1,963	2,244	281	14.3%	2,491	2,528	37	1.5%
85.2%	1,870	2,011	141	7.5%	1,841	1,982	141	7.6%	1,907	2,168	261	13.7%	2,475	2,511	36	1.5%
86.4%	1,758	1,835	77	4.4%	1,690	1,808	118	7.0%	1,834	1,975	141	7.7%	2,185	2,509	324	14.8%
87.7%	1,448	1,725	277	19.2%	1,612	1,777	164	10.2%	1,695	1,891	196	11.6%	2,108	2,466	357	16.9%
88.9%	1,437	1,679	242	16.8%	1,411	1,701	290	20.6%	1,675	1,748	73	4.4%	2,046	2,446	400	19.6%
90.1%	1,410	1,606	196	13.9%	1,363	1,689	326	23.9%	1,458	1,744	286	19.6%	1,878	2,022	144	7.7%
91.4%	953	1,163	210	22.0%	1,115	1,152	38	3.4%	1,231	1,261	31	2.5%	1,564	1,747	183	11.7%
92.6%	947	1,161	215	22.7%	836	1,124	288	34.4%	980	1,113	134	13.6%	1,550	1,582	32	2.1%
93.8%	867	991	124	14.2%	780	1,009	229	29.4%	826	1,026	200	24.3%	1,369	1,386	16	1.2%
95.1%	591	650	59	9.9%	632	636	3	0.5%	777	1,006	229	29.4%	953	1,122	169	17.8%
96.3%	550	650	100	18.2%	566	632	66	11.7%	750	804	54	7.2%	939	1,061	122	13.0%
97.5%	550	588	38	6.9%	552	615	64	11.5%	728	767	39	5.3%	868	1,041	173	19.9%
98.8%	550	550	0	0.0%	550	568	18	3.3%	680	752	72	10.6%	835	1,036	201	24.1%
100.0%	550	550	0	0.0%	550	550	0	0.0%	667	667	0	0.0%	813	939	127	15.6%

Table SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,432	-1	0.0%	4,375	4,290	-84	-1.9%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
1.2%	3,994	3,966	-29	-0.7%	4,280	4,280	0	0.0%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
2.5%	3,986	3,944	-42	-1.0%	4,273	4,253	-20	-0.5%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
3.7%	3,965	3,920	-45	-1.1%	4,256	4,249	-7	-0.2%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
4.9%	3,944	3,914	-30	-0.8%	4,253	4,246	-7	-0.2%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
6.2%	3,920	3,907	-13	-0.3%	4,249	4,229	-20	-0.5%	4,552	4,552	0	0.0%	4,552	4,552	0	0.0%
7.4%	3,914	3,901	-13	-0.3%	4,246	4,226	-20	-0.5%	4,546	4,546	0	0.0%	4,552	4,552	0	0.0%
8.6%	3,877	3,848	-29	-0.7%	4,229	4,226	-3	-0.1%	4,541	4,522	-19	-0.4%	4,552	4,552	0	0.0%
9.9%	3,848	3,820	-28	-0.7%	4,226	4,222	-4	-0.1%	4,522	4,518	-4	-0.1%	4,552	4,552	0	0.0%
11.1%	3,848	3,794	-54	-1.4%	4,226	4,221	-5	-0.1%	4,503	4,514	11	0.3%	4,552	4,552	0	0.0%
12.3%	3,805	3,778	-28	-0.7%	4,222	4,208	-14	-0.3%	4,500	4,500	0	0.0%	4,552	4,552	0	0.0%
13.6%	3,794	3,777	-17	-0.4%	4,221	4,208	-13	-0.3%	4,499	4,498	-1	0.0%	4,552	4,552	0	0.0%
14.8%	3,787	3,772	-15	-0.4%	4,199	4,193	-6	-0.1%	4,488	4,498	10	0.2%	4,552	4,552	0	0.0%
16.0%	3,777	3,743	-35	-0.9%	4,162	4,162	0	0.0%	4,479	4,488	9	0.2%	4,552	4,552	0	0.0%
17.3%	3,777	3,739	-38	-1.0%	4,129	4,129	0	0.0%	4,470	4,479	9	0.2%	4,552	4,552	0	0.0%
18.5%	3,772	3,710	-62	-1.6%	4,124	4,118	-6	-0.1%	4,461	4,472	12	0.3%	4,552	4,552	0	0.0%
19.8%	3,743	3,710	-33	-0.9%	4,118	4,106	-12	-0.3%	4,456	4,456	0	0.0%	4,552	4,552	0	0.0%
21.0%	3,739	3,694	-45	-1.2%	4,106	4,105	-1	0.0%	4,451	4,456	5	0.1%	4,552	4,552	0	0.0%
22.2%	3,737	3,685	-52	-1.4%	4,105	4,096	-9	-0.2%	4,442	4,451	9	0.2%	4,552	4,552	0	0.0%
23.5%	3,734	3,683	-51	-1.4%	4,086	4,071	-15	-0.4%	4,438	4,434	-4	-0.1%	4,552	4,552	0	0.0%
24.7%	3,713	3,675	-38	-1.0%	4,071	4,058	-13	-0.3%	4,434	4,427	-7	-0.1%	4,552	4,552	0	0.0%
25.9%	3,694	3,661	-33	-0.9%	4,033	4,033	0	0.0%	4,432	4,418	-14	-0.3%	4,552	4,552	0	0.0%
27.2%	3,675	3,654	-21	-0.6%	4,030	4,030	0	0.0%	4,418	4,418	0	0.0%	4,552	4,552	0	0.0%
28.4%	3,661	3,649	-12	-0.3%	4,022	4,022	0	0.0%	4,418	4,405	-13	-0.3%	4,552	4,552	0	0.0%
29.6%	3,654	3,636	-18	-0.5%	4,021	4,021	0	0.0%	4,398	4,405	7	0.2%	4,552	4,552	0	0.0%
30.9%	3,654	3,626	-28	-0.8%	4,010	4,010	0	0.0%	4,396	4,403	7	0.2%	4,552	4,552	0	0.0%
32.1%	3,647	3,606	-41	-1.1%	4,000	4,000	0	0.0%	4,380	4,398	18	0.4%	4,552	4,552	0	0.0%
33.3%	3,642	3,603	-39	-1.1%	3,980	3,980	0	0.0%	4,341	4,365	23	0.5%	4,552	4,543	-9	-0.2%
34.6%	3,636	3,593	-43	-1.2%	3,976	3,976	0	0.0%	4,334	4,341	7	0.2%	4,543	4,534	-8	-0.2%
35.8%	3,636	3,570	-66	-1.8%	3,970	3,970	0	0.0%	4,332	4,333	0	0.0%	4,528	4,513	-16	-0.3%
37.0%	3,597	3,567	-30	-0.8%	3,965	3,965	0	0.0%	4,332	4,329	-3	-0.1%	4,495	4,486	-9	-0.2%
38.3%	3,570	3,560	-10	-0.3%	3,956	3,953	-3	-0.1%	4,329	4,290	-39	-0.9%	4,494	4,456	-39	-0.9%
39.5%	3,567	3,557	-10	-0.3%	3,953	3,940	-13	-0.3%	4,316	4,289	-27	-0.6%	4,487	4,456	-31	-0.7%
40.7%	3,560	3,544	-16	-0.4%	3,943	3,940	-3	-0.1%	4,292	4,289	-3	-0.1%	4,482	4,455	-27	-0.6%
42.0%	3,536	3,542	6	0.2%	3,940	3,929	-11	-0.3%	4,290	4,263	-27	-0.6%	4,458	4,455	-3	-0.1%
43.2%	3,530	3,536	6	0.2%	3,940	3,873	-67	-1.7%	4,289	4,237	-52	-1.2%	4,450	4,448	-3	-0.1%
44.4%	3,516	3,530	14	0.4%	3,927	3,859	-67	-1.7%	4,289	4,225	-64	-1.5%	4,440	4,443	3	0.1%
45.7%	3,515	3,516	1	0.0%	3,918	3,847	-71	-1.8%	4,271	4,217	-54	-1.3%	4,429	4,442	13	0.3%
46.9%	3,503	3,513	10	0.3%	3,891	3,835	-57	-1.5%	4,230	4,189	-40	-1.0%	4,425	4,427	2	0.1%
48.1%	3,501	3,503	2	0.0%	3,874	3,808	-66	-1.7%	4,217	4,186	-31	-0.7%	4,358	4,391	33	0.8%
49.4%	3,480	3,490	10	0.3%	3,873	3,796	-77	-2.0%	4,177	4,173	-4	-0.1%	4,278	4,381	103	2.4%
50.6%	3,470	3,480	10	0.3%	3,859	3,795	-64	-1.7%	4,173	4,163	-10	-0.2%	4,265	4,261	-4	-0.1%
51.9%	3,462	3,462	0	0.0%	3,842	3,793	-49	-1.3%	4,137	4,137	0	0.0%	4,259	4,256	-3	-0.1%
53.1%	3,431	3,431	0	0.0%	3,797	3,778	-19	-0.5%	4,131	4,131	0	0.0%	4,258	4,246	-12	-0.3%
54.3%	3,423	3,423	0	0.0%	3,795	3,756	-39	-1.0%	4,105	4,094	-11	-0.3%	4,224	4,244	19	0.5%
55.6%	3,420	3,342	-78	-2.3%	3,778	3,746	-32	-0.8%	4,094	4,084	-10	-0.2%	4,222	4,184	-38	-0.9%
56.8%	3,410	3,325	-85	-2.5%	3,756	3,737	-19	-0.5%	4,085	4,074	-11	-0.3%	4,155	4,122	-32	-0.8%
58.0%	3,402	3,292	-110	-3.2%	3,732	3,723	-9	-0.2%	4,074	4,058	-16	-0.4%	4,134	4,120	-13	-0.3%
59.3%	3,397	3,288	-109	-3.2%	3,703	3,690	-12	-0.3%	4,064	4,042	-22	-0.5%	4,082	4,116	34	0.8%
60.5%	3,373	3,283	-89	-2.6%	3,688	3,667	-21	-0.6%	4,058	4,032	-26	-0.6%	4,079	4,116	36	0.9%
61.7%	3,370	3,282	-88	-2.6%	3,668	3,667	-2	0.0%	4,014	4,028	13	0.3%	4,004	4,108	104	2.6%
63.0%	3,341	3,278	-63	-1.9%	3,667	3,659	-8	-0.2%	4,001	3,992	-9	-0.2%	4,001	4,065	64	1.6%
64.2%	3,327	3,252	-75	-2.3%	3,657	3,588	-69	-1.9%	3,990	3,979	-11	-0.3%	3,941	3,997	56	1.4%
65.4%	3,292	3,252	-40	-1.2%	3,589	3,566	-23	-0.6%	3,952	3,975	23	0.6%	3,934	3,996	63	1.6%
66.7%	3,288	3,252	-36	-1.1%	3,568	3,534	-34	-1.0%	3,943	3,966	22	0.6%	3,859	3,971	112	2.9%
67.9%	3,288	3,252	-36	-1.1%	3,543	3,517	-26	-0.7%	3,928	3,955	27	0.7%	3,813	3,948	134	3.5%
69.1%	3,282	3,250	-31	-1.0%	3,540	3,504	-36	-1.0%	3,919	3,949	30	0.8%	3,785	3,875	90	2.4%
70.4%	3,272	3,239	-33	-1.0%	3,534	3,503	-31	-0.9%	3,898	3,948	60	1.5%	3,778	3,817	39	1.0%
71.6%	3,252	3,162	-90	-2.8%	3,504	3,435	-69	-2.0%	3,850	3,940	89	2.3%	3,759	3,787	28	0.7%
72.8%	3,252	3,135	-117	-3.6%	3,435	3,417	-19	-0.5%	3,843	3,891	48	1.3%	3,714	3,761	47	1.3%
74.1%	3,252	3,125	-127	-3.9%	3,417	3,416	-1	0.0%	3,819	3,866	47	1.2%	3,647	3,728	81	2.2%
75.3%	3,252	3,101	-151	-4.6%	3,416	3,416	0	0.0%	3,812	3,844	32	0.8%	3,626	3,727	102	2.8%
76.5%	3,217	3,074	-143	-4.4%	3,416	3,416	0	0.0%	3,796	3,826	30	0.8%	3,622	3,626	4	0.1%
77.8%	3,073	3,061	-13	-0.4%	3,416	3,416	0	0.0%	3,762	3,814	52	1.4%	3,589	3,625	36	1.0%
79.0%	2,937	2,935	-2	-0.1%	3,409	3,344	-65	-1.9%	3,758	3,779	21	0.5%	3,573	3,606	33	0.9%
80.2%	2,890	2,865	-26	-0.9%	3,359	3,309	-50	-1.5%	3,724	3,638	-85	-2.3%	3,557	3,591	34	1.0%
81.5%	2,859	2,836	-23	-0.8%	3,274	3,233	-41	-1.3%	3,612	3,587	-25	-0.7%	3,523	3,546	22	0.6%
82.7%	2,855	2,812	-43	-1.5%	3,113	3,201	88	2.8%	3,525	3,529	4	0.1%	3,406	3,427	21	0.6%
84.0%	2,753	2,791	38	1.4%	3,086	3,200	114	3.7%	3,306	3,359	53	1.6%	3,326	3,415	89	2.7%
85.2%	2,746	2,773	27	1.0%	3,018	3,199	180	6.0%	3,147	3,271	123	3.9%	3,125	3,297	173	5.5%
86.4%	2,510	2,764	255	10.1%	3,006	3,197	191	6.4%	3,127	3,181	55	1.7%	3,049	3,264	215	7.1%
87.7%	2,492	2,598	107	4.3%	2,985	3,131	147	4.9%	2,991	3,124	133	4.5%	3,012	3,065	53	1.8%
88.9%	2,265	2,545	280	12.4%	2,912	3,009	98	3.4%	2,835	3,102	267	9.4%	3,006	3,026	20	0.7%
90.1%	2,134	2,490	356	16.7%	2,839	2,826	-12	-0.4%	2,699	2,707	7	0.3%	2,975	3,014	39	1.3%
91.4%	2,094	2,125	32	1.5%	2,479	2,771	292	11.8%	2,598	2,699	101	3.9%	2,308	2,449	141	6.1%
92.6%	1,981	2,110	129	6.5%	2,307	2,531	224	9.7%	2,163	2,462	299	13.8%	2,124	2,444	320	15.0%
93.8%	1,580	1,776	196	12.4%	2,001	2,203	202	10.1%	2,148	2,381	233	10.9%	1,927	2,268	342	17.7%
95.1%	1,457	1,685	228	15.7%	1,896	2,130	234	12.3%	2,069	2,364	295	14.3%	1,834	2,199	365	19.9%
96.3%	1,268	1,351	83	6.5%	1,659	1,756	97	5.9%	1,998	2,296	298	14.9%	1,769	2,103	334	18.9%
97.5%	1,265	1,265	0	0.0%	1,527	1,659	132	8.7%	1,588	1,942	354	22.3%	1,735	2,094	359	20.7%
98.8%	992	1,177	185	18.7%	1,465	1,635	170	11.6%	1,583	1,865	282	17.8%	1,678	2,035	358	21.3%
100.0%	872	1,159	287	32.9%	1,455	1,605	151	10.4%	1,527	1,731	204	13.4%	1,397	1,602	205	14.7%

Table SW-07-3b

Shasta Lake, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,500	0	0.0%
1.2%	4,500	4,500	0	0.0%
2.5%	4,500	4,486	-14	-0.3%
3.7%	4,500	4,465	-35	-0.8%
4.9%	4,500	4,443	-57	-1.3%
6.2%	4,500	4,441	-59	-1.3%
7.4%	4,500	4,441	-59	-1.3%
8.6%	4,500	4,437	-63	-1.4%
9.9%	4,465	4,427	-38	-0.8%
11.1%	4,465	4,414	-51	-1.1%
12.3%	4,463	4,412	-52	-1.2%
13.6%	4,439	4,399	-40	-0.9%
14.8%	4,420	4,384	-36	-0.8%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,349	0	0.0%
18.5%	4,341	4,331	-11	-0.2%
19.8%	4,339	4,322	-16	-0.4%
21.0%	4,332	4,321	-11	-0.3%
22.2%	4,329	4,299	-30	-0.7%
23.5%	4,318	4,298	-20	-0.5%
24.7%	4,287	4,298	11	0.2%
25.9%	4,273	4,296	23	0.5%
27.2%	4,244	4,276	32	0.8%
28.4%	4,238	4,271	34	0.8%
29.6%	4,226	4,264	38	0.9%
30.9%	4,223	4,264	42	1.0%
32.1%	4,199	4,249	49	1.2%
33.3%	4,193	4,244	51	1.2%
34.6%	4,187	4,209	22	0.5%
35.8%	4,181	4,203	22	0.5%
37.0%	4,165	4,185	20	0.5%
38.3%	4,078	4,155	77	1.9%
39.5%	4,036	4,117	81	2.0%
40.7%	4,033	4,106	73	1.8%
42.0%	4,027	4,104	77	1.9%
43.2%	4,012	4,099	86	2.2%
44.4%	3,990	4,092	102	2.6%
45.7%	3,987	4,082	95	2.4%
46.9%	3,973	4,058	85	2.1%
48.1%	3,886	4,036	151	3.9%
49.4%	3,881	3,992	111	2.8%
50.6%	3,870	3,953	83	2.1%
51.9%	3,852	3,925	73	1.9%
53.1%	3,839	3,898	59	1.5%
54.3%	3,832	3,892	60	1.6%
55.6%	3,783	3,865	82	2.2%
56.8%	3,774	3,855	81	2.2%
58.0%	3,749	3,854	105	2.8%
59.3%	3,737	3,781	44	1.2%
60.5%	3,711	3,762	50	1.4%
61.7%	3,682	3,760	78	2.1%
63.0%	3,662	3,748	86	2.3%
64.2%	3,659	3,739	80	2.2%
65.4%	3,610	3,665	55	1.5%
66.7%	3,565	3,633	68	1.9%
67.9%	3,538	3,603	65	1.8%
69.1%	3,429	3,545	116	3.4%
70.4%	3,412	3,543	131	3.8%
71.6%	3,412	3,467	55	1.6%
72.8%	3,401	3,454	54	1.6%
74.1%	3,299	3,443	144	4.4%
75.3%	3,228	3,412	184	5.7%
76.5%	3,201	3,327	126	3.9%
77.8%	3,200	3,256	56	1.7%
79.0%	3,200	3,246	46	1.4%
80.2%	3,155	3,237	82	2.6%
81.5%	3,152	3,218	66	2.1%
82.7%	2,894	3,105	211	7.3%
84.0%	2,886	3,093	208	7.2%
85.2%	2,782	3,059	277	10.0%
86.4%	2,779	2,812	33	1.2%
87.7%	2,772	2,797	25	0.9%
88.9%	2,690	2,793	103	3.8%
90.1%	2,509	2,740	231	9.2%
91.4%	1,869	2,162	294	15.7%
92.6%	1,843	2,003	160	8.7%
93.8%	1,563	1,887	325	20.8%
95.1%	1,531	1,869	338	22.1%
96.3%	1,476	1,793	317	21.5%
97.5%	1,360	1,654	295	21.7%
98.8%	1,260	1,565	305	24.2%
100.0%	878	1,093	215	24.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,150	0	0.0%
1.2%	4,150	4,150	0	0.0%
2.5%	4,150	4,150	0	0.0%
3.7%	4,150	4,121	-29	-0.7%
4.9%	4,150	4,115	-35	-0.9%
6.2%	4,150	4,098	-52	-1.3%
7.4%	4,112	4,080	-32	-0.8%
8.6%	4,100	4,068	-32	-0.8%
9.9%	4,079	4,058	-21	-0.5%
11.1%	4,039	4,053	14	0.3%
12.3%	4,036	4,035	-1	0.0%
13.6%	4,026	4,001	-25	-0.6%
14.8%	3,995	3,994	-1	0.0%
16.0%	3,975	3,970	-5	-0.1%
17.3%	3,973	3,946	-27	-0.7%
18.5%	3,943	3,937	-7	-0.2%
19.8%	3,935	3,936	1	0.0%
21.0%	3,931	3,901	-31	-0.8%
22.2%	3,917	3,887	-29	-0.7%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,796	67	1.8%
25.9%	3,718	3,788	70	1.9%
27.2%	3,699	3,774	75	2.0%
28.4%	3,698	3,774	76	2.1%
29.6%	3,689	3,769	80	2.2%
30.9%	3,677	3,766	88	2.4%
32.1%	3,635	3,725	90	2.5%
33.3%	3,623	3,716	94	2.6%
34.6%	3,620	3,690	71	2.0%
35.8%	3,585	3,661	76	2.1%
37.0%	3,568	3,637	69	1.9%
38.3%	3,480	3,629	150	4.3%
39.5%	3,462	3,619	158	4.6%
40.7%	3,413	3,584	171	5.0%
42.0%	3,408	3,573	165	4.8%
43.2%	3,408	3,570	162	4.8%
44.4%	3,400	3,554	154	4.5%
45.7%	3,389	3,503	114	3.4%
46.9%	3,388	3,450	62	1.8%
48.1%	3,380	3,450	70	2.1%
49.4%	3,375	3,448	72	2.1%
50.6%	3,361	3,398	37	1.1%
51.9%	3,355	3,389	34	1.0%
53.1%	3,346	3,367	21	0.6%
54.3%	3,334	3,364	30	0.9%
55.6%	3,278	3,292	15	0.4%
56.8%	3,257	3,289	33	1.0%
58.0%	3,207	3,284	77	2.4%
59.3%	3,206	3,269	63	2.0%
60.5%	3,200	3,224	24	0.7%
61.7%	3,174	3,220	46	1.5%
63.0%	3,149	3,200	51	1.6%
64.2%	3,137	3,200	62	2.0%
65.4%	3,113	3,179	65	2.1%
66.7%	3,038	3,138	101	3.3%
67.9%	2,984	3,090	106	3.5%
69.1%	2,977	2,989	11	0.4%
70.4%	2,890	2,951	72	2.5%
71.6%	2,873	2,925	52	1.8%
72.8%	2,846	2,894	48	1.7%
74.1%	2,778	2,874	96	3.5%
75.3%	2,770	2,860	90	3.3%
76.5%	2,733	2,841	108	4.0%
77.8%	2,712	2,825	113	4.2%
79.0%	2,674	2,770	96	3.6%
80.2%	2,600	2,733	134	5.1%
81.5%	2,593	2,723	130	5.0%
82.7%	2,397	2,552	155	6.5%
84.0%	2,383	2,540	157	6.6%
85.2%	2,361	2,481	121	5.1%
86.4%	2,261	2,474	213	9.4%
87.7%	2,258	2,317	59	2.6%
88.9%	2,192	2,224	32	1.5%
90.1%	1,997	2,220	223	11.2%
91.4%	1,509	1,782	274	18.1%
92.6%	1,423	1,572	149	10.4%
93.8%	1,305	1,486	181	13.9%
95.1%	1,139	1,465	326	28.7%
96.3%	1,040	1,447	407	39.1%
97.5%	897	1,146	249	27.8%
98.8%	650	1,084	434	66.7%
100.0%	606	690	84	13.8%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,700	0	0.0%
3.7%	3,700	3,700	0	0.0%
4.9%	3,700	3,700	0	0.0%
6.2%	3,700	3,700	0	0.0%
7.4%	3,700	3,700	0	0.0%
8.6%	3,700	3,700	0	0.0%
9.9%	3,700	3,700	0	0.0%
11.1%	3,700	3,700	0	0.0%
12.3%	3,700	3,700	0	0.0%
13.6%	3,700	3,700	0	0.0%
14.8%	3,700	3,700	0	0.0%
16.0%	3,682	3,693	11	0.3%
17.3%	3,652	3,679	28	0.8%
18.5%	3,651	3,659	8	0.2%
19.8%	3,619	3,627	8	0.2%
21.0%	3,592	3,618	26	0.7%
22.2%	3,572	3,581	9	0.3%
23.5%	3,539	3,527	-11	-0.3%
24.7%	3,420	3,505	85	2.5%
25.9%	3,402	3,495	92	2.7%
27.2%	3,380	3,466	86	2.6%
28.4%	3,367	3,460	93	2.8%
29.6%	3,334	3,455	121	3.6%
30.9%	3,333	3,426	93	2.8%
32.1%	3,331	3,423	92	2.7%
33.3%	3,297	3,409	111	3.4%
34.6%	3,286	3,331	45	1.4%
35.8%	3,250	3,328	77	2.4%
37.0%	3,217	3,325	109	3.4%
38.3%	3,210	3,318	108	3.4%
39.5%	3,205	3,295	90	2.8%
40.7%	3,112	3,291	180	5.8%
42.0%	3,107	3,272	165	5.3%
43.2%	3,090	3,228	138	4.5%
44.4%	3,074	3,226	152	4.9%
45.7%	3,066	3,163	96	3.1%
46.9%	3,060	3,144	84	2.7%
48.1%	3,039	3,122	83	2.7%
49.4%	3,019	3,104	86	2.8%
50.6%	3,017	3,102	85	2.8%
51.9%	2,951	3,097	146	4.9%
53.1%	2,947	3,085	138	4.7%
54.3%	2,941	2,995	54	1.9%
55.6%	2,931	2,993	62	2.1%
56.8%	2,901	2,989	88	3.0%
58.0%	2,897	2,983	86	3.0%
59.3%	2,864	2,941	77	2.7%
60.5%	2,858	2,939	81	2.9%
61.7%	2,851	2,883	32	1.1%
63.0%	2,793	2,848	55	2.0%
64.2%	2,749	2,842	93	3.4%
65.4%	2,701	2,836	135	5.0%
66.7%	2,698	2,822	124	4.6%
67.9%	2,673	2,765	92	3.5%
69.1%	2,642	2,755	113	4.3%
70.4%	2,635	2,704	69	2.6%
71.6%	2,634	2,694	60	2.3%
72.8%	2,617	2,651	34	1.3%
74.1%	2,585	2,646	60	2.3%
75.3%	2,483	2,606	123	4.9%
76.5%	2,438	2,555	117	4.8%
77.8%	2,434	2,482	48	2.0%
79.0%	2,280	2,467	187	8.2%
80.2%	2,169	2,445	277	12.8%
81.5%	2,146	2,395	248	11.6%
82.7%	2,097	2,219	122	5.8%
84.0%	2,045	2,134	89	4.4%
85.2%	2,018	2,134	117	5.8%
86.4%	1,932	2,106	173	9.0%
87.7%	1,805	1,892	87	4.8%
88.9%	1,734	1,847	113	6.5%
90.1%	1,719	1,771	52	3.0%
91.4%	1,220	1,348	128	10.5%
92.6%	1,142	1,333	191	16.7%
93.8%	1,064	1,197	133	12.5%
95.1%	757	1,146	389	51.4%
96.3%	642	939	298	46.3%
97.5%	557	681	123	22.1%
98.8%	550	666	116	21.1%
100.0%	550	569	19	3.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,400	26	0.8%
13.6%	3,353	3,400	47	1.4%
14.8%	3,352	3,396	44	1.3%
16.0%	3,349	3,377	29	0.9%
17.3%	3,333	3,348	15	0.4%
18.5%	3,242	3,328	87	2.7%
19.8%	3,237	3,308	72	2.2%
21.0%	3,232	3,296	64	2.0%
22.2%	3,199	3,276	77	2.4%
23.5%	3,198	3,265	66	2.1%
24.7%	3,187	3,263	75	2.4%
25.9%	3,170	3,220	49	1.6%
27.2%	3,160	3,217	58	1.8%
28.4%	3,146	3,215	69	2.2%
29.6%	3,144	3,212	68	2.2%
30.9%	3,119	3,211	92	3.0%
32.1%	3,083	3,201	118	3.8%
33.3%	3,078	3,200	122	4.0%
34.6%	3,064	3,199	135	4.4%
35.8%	3,028	3,170	142	4.7%
37.0%	3,022	3,165	143	4.7%
38.3%	2,979	3,142	163	5.5%
39.5%	2,976	3,140	164	5.5%
40.7%	2,970	3,123	153	5.2%
42.0%	2,964	3,122	158	5.3%
43.2%	2,955	3,115	161	5.4%
44.4%	2,941	3,110	170	5.8%
45.7%	2,929	3,038	109	3.7%
46.9%	2,921	3,037	117	4.0%
48.1%	2,896	3,033	138	4.8%
49.4%	2,891	3,021	130	4.5%
50.6%	2,844	2,979	135	4.7%
51.9%	2,838	2,956	119	4.2%
53.1%	2,830	2,935	105	3.7%
54.3%	2,823	2,931	108	3.8%
55.6%	2,821	2,915	95	3.4%
56.8%	2,796	2,880	84	3.0%
58.0%	2,796	2,854	58	2.1%
59.3%	2,708	2,848	140	5.2%
60.5%	2,664	2,817	153	5.7%
61.7%	2,658	2,807	149	5.6%
63.0%	2,646	2,767	121	4.6%
64.2%	2,630	2,704	73	2.8%
65.4%	2,615	2,697	82	3.1%
66.7%	2,569	2,687	117	4.6%
67.9%	2,554	2,638	84	3.3%
69.1%	2,545	2,638	93	3.7%
70.4%	2,538	2,625	87	3.4%
71.6%	2,491	2,621	130	5.2%
72.8%	2,399	2,566	167	6.9%
74.1%	2,335	2,551	216	9.2%
75.3%	2,332	2,499	166	7.1%
76.5%	2,315	2,431	116	5.0%
77.8%	2,237	2,430	193	8.6%
79.0%	2,233	2,339	106	4.8%
80.2%	2,228	2,318	89	4.0%
81.5%	2,099	2,285	187	8.9%
82.7%	2,086	2,178	92	4.4%
84.0%	2,055	2,132	77	3.8%
85.2%	1,928	2,051	123	6.4%
86.4%	1,906	1,971	65	3.4%
87.7%	1,623	1,810	187	11.5%
88.9%	1,615	1,806	190	11.8%
90.1%	1,609	1,723	114	7.1%
91.4%	1,118	1,251	132	11.8%
92.6%	971	1,247	276	28.4%
93.8%	965	1,018	53	5.5%
95.1%	640	789	148	23.2%
96.3%	569	739	171	30.0%
97.5%	550	706	156	28.3%
98.8%	550	695	145	26.4%
100.0%	550	550	0	0.0%

Table SW-08-3a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative A	985	984	991	1,003	1,015	1,031	1,043	1,045	1,033	1,013	997	989
Difference	5	5	3	2	0	1	2	3	4	5	5	6
Percent Difference[3]	0.5%	0.5%	0.3%	0.2%	0.0%	0.1%	0.2%	0.2%	0.4%	0.5%	0.5%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative A	1,010	1,006	1,011	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,030	1,014
Difference	2	3	0	0	0	0	0	0	0	1	1	3
Percent Difference	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative A	1,008	1,004	1,009	1,010	1,022	1,045	1,061	1,064	1,052	1,031	1,018	1,013
Difference	4	4	0	0	-1	0	-1	-1	1	2	3	5
Percent Difference	0.4%	0.4%	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	0.2%	0.3%	0.5%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative A	1,001	1,004	1,005	1,001	1,017	1,034	1,049	1,051	1,040	1,019	1,006	1,003
Difference	3	2	0	1	0	0	0	0	2	3	4	4
Percent Difference	0.3%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.4%	0.4%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative A	982	984	994	996	1,011	1,033	1,041	1,040	1,026	1,004	988	985
Difference	10	8	6	1	-1	0	3	4	6	7	8	8
Percent Difference	1.0%	0.8%	0.6%	0.1%	-0.1%	0.0%	0.2%	0.4%	0.6%	0.7%	0.8%	0.8%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative A	894	895	907	966	976	989	990	986	966	937	910	901
Difference	9	9	9	8	7	6	9	11	14	16	12	10
Percent Difference	1.0%	1.1%	1.0%	0.8%	0.7%	0.6%	0.9%	1.1%	1.5%	1.8%	1.3%	1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-08-3b
Shasta Lake, End of Month Elevation
Probability of Exceedance

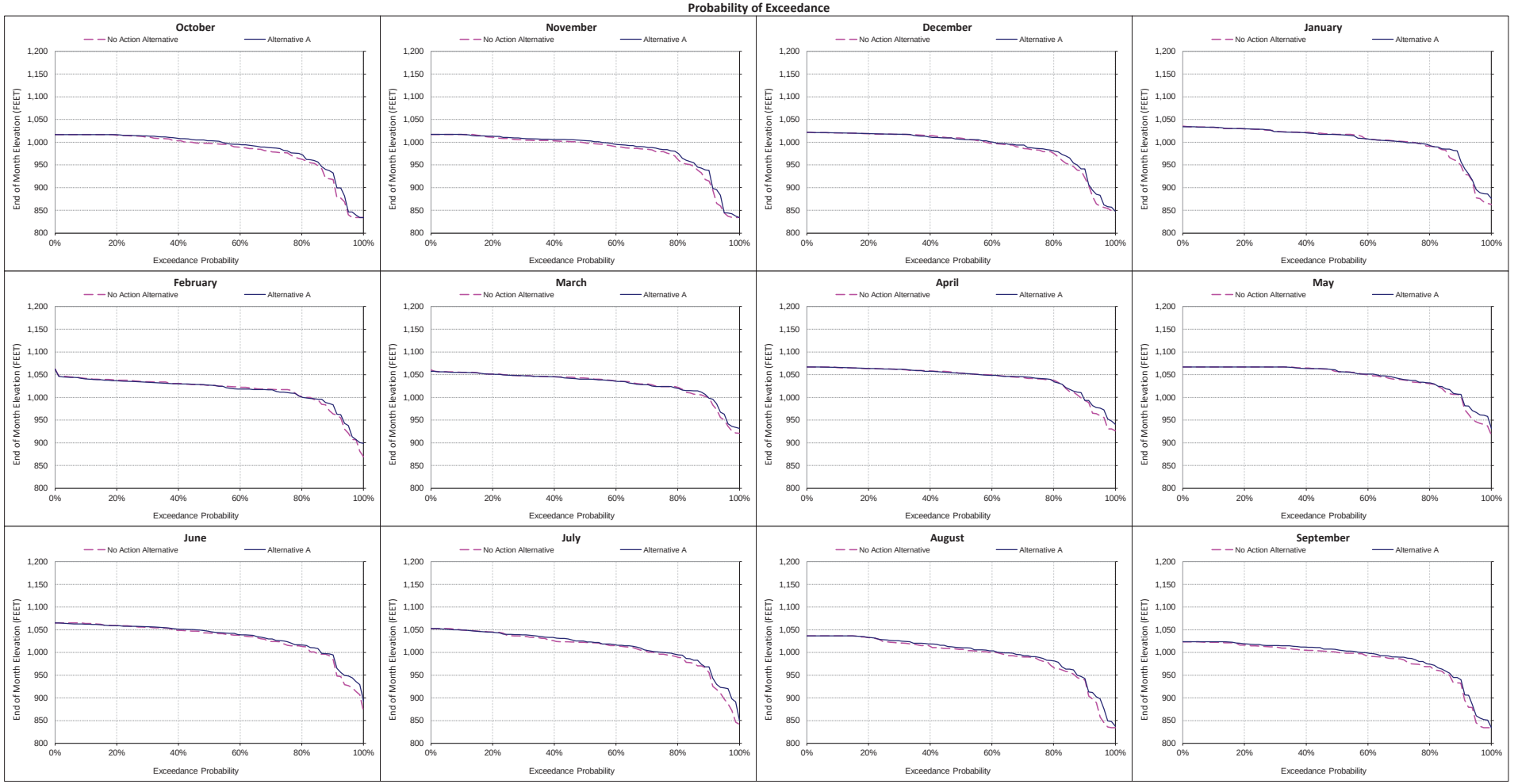

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,017	1	0.1%
21.0%	1,015	1,016	1	0.1%
22.2%	1,015	1,015	0	0.0%
23.5%	1,015	1,015	0	0.0%
24.7%	1,014	1,015	1	0.1%
25.9%	1,014	1,015	1	0.1%
27.2%	1,014	1,014	1	0.1%
28.4%	1,013	1,014	1	0.1%
29.6%	1,011	1,014	2	0.2%
30.9%	1,011	1,013	3	0.3%
32.1%	1,009	1,013	4	0.4%
33.3%	1,008	1,012	4	0.4%
34.6%	1,008	1,011	3	0.3%
35.8%	1,007	1,011	4	0.4%
37.0%	1,007	1,010	3	0.3%
38.3%	1,004	1,010	6	0.6%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	7	0.7%
43.2%	1,000	1,007	7	0.7%
44.4%	1,000	1,006	6	0.6%
45.7%	998	1,005	7	0.7%
46.9%	998	1,005	7	0.7%
48.1%	998	1,005	7	0.7%
49.4%	998	1,003	6	0.6%
50.6%	997	1,003	6	0.6%
51.9%	996	1,003	6	0.6%
53.1%	996	1,002	6	0.6%
54.3%	996	1,000	4	0.4%
55.6%	996	997	2	0.2%
56.8%	993	996	3	0.3%
58.0%	990	996	6	0.6%
59.3%	989	995	6	0.6%
60.5%	989	995	6	0.6%
61.7%	987	994	7	0.7%
63.0%	986	993	7	0.7%
64.2%	986	992	6	0.6%
65.4%	985	991	6	0.6%
66.7%	984	989	5	0.5%
67.9%	981	989	8	0.8%
69.1%	981	988	7	0.7%
70.4%	978	987	9	0.9%
71.6%	978	987	9	0.9%
72.8%	977	986	9	1.0%
74.1%	977	982	5	0.5%
75.3%	977	981	5	0.5%
76.5%	971	976	5	0.5%
77.8%	967	976	9	0.9%
79.0%	964	975	11	1.2%
80.2%	962	972	10	1.1%
81.5%	958	962	4	0.4%
82.7%	955	962	7	0.7%
84.0%	954	960	6	0.6%
85.2%	948	956	8	0.8%
86.4%	942	946	4	0.5%
87.7%	921	940	20	2.1%
88.9%	920	937	18	1.9%
90.1%	918	932	14	1.6%
91.4%	878	899	22	2.5%
92.6%	877	899	22	2.5%
93.8%	869	882	13	1.5%
95.1%	840	846	6	0.7%
96.3%	834	846	12	1.4%
97.5%	834	840	5	0.6%
98.8%	834	834	0	0.0%
100.0%	834	834	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,016	-1	-0.1%
13.6%	1,017	1,015	-2	-0.2%
14.8%	1,015	1,014	-1	-0.1%
16.0%	1,014	1,014	0	0.0%
17.3%	1,013	1,014	1	0.1%
18.5%	1,011	1,013	2	0.2%
19.8%	1,011	1,013	2	0.2%
21.0%	1,010	1,013	2	0.2%
22.2%	1,009	1,013	4	0.4%
23.5%	1,008	1,010	2	0.2%
24.7%	1,008	1,010	2	0.2%
25.9%	1,007	1,010	3	0.3%
27.2%	1,006	1,010	4	0.4%
28.4%	1,006	1,009	4	0.4%
29.6%	1,005	1,008	3	0.3%
30.9%	1,005	1,008	3	0.3%
32.1%	1,004	1,008	3	0.3%
33.3%	1,004	1,007	3	0.3%
34.6%	1,004	1,007	3	0.3%
35.8%	1,004	1,007	3	0.3%
37.0%	1,004	1,007	3	0.3%
38.3%	1,004	1,006	3	0.3%
39.5%	1,003	1,006	3	0.3%
40.7%	1,002	1,006	4	0.4%
42.0%	1,002	1,006	4	0.4%
43.2%	1,002	1,006	4	0.4%
44.4%	1,001	1,006	4	0.4%
45.7%	1,001	1,005	4	0.4%
46.9%	1,001	1,005	4	0.4%
48.1%	1,001	1,005	4	0.4%
49.4%	999	1,004	4	0.4%
50.6%	998	1,003	5	0.5%
51.9%	998	1,003	5	0.5%
53.1%	997	1,001	5	0.5%
54.3%	996	1,001	5	0.5%
55.6%	996	999	3	0.3%
56.8%	994	999	5	0.5%
58.0%	993	997	5	0.5%
59.3%	991	996	5	0.5%
60.5%	990	995	5	0.5%
61.7%	989	995	6	0.6%
63.0%	988	994	6	0.6%
64.2%	987	993	6	0.6%
65.4%	987	993	6	0.6%
66.7%	987	991	4	0.4%
67.9%	986	990	5	0.5%
69.1%	985	990	5	0.5%
70.4%	984	988	4	0.4%
71.6%	983	988	5	0.5%
72.8%	979	987	8	0.8%
74.1%	979	985	6	0.6%
75.3%	979	984	5	0.5%
76.5%	976	984	8	0.8%
77.8%	974	981	7	0.7%
79.0%	969	980	11	1.1%
80.2%	960	975	14	1.5%
81.5%	954	965	10	1.1%
82.7%	952	960	8	0.9%
84.0%	951	958	7	0.7%
85.2%	947	955	8	0.8%
86.4%	938	945	7	0.7%
87.7%	933	943	11	1.1%
88.9%	918	939	21	2.3%
90.1%	914	938	24	2.6%
91.4%	894	898	4	0.4%
92.6%	866	895	30	3.5%
93.8%	860	883	24	2.8%
95.1%	844	845	0	0.0%
96.3%	837	844	7	0.9%
97.5%	835	843	8	1.0%
98.8%	834	837	3	0.4%
100.0%	834	834	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,021	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,021	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,020	1,020	0	0.0%
18.5%	1,019	1,020	1	0.1%
19.8%	1,019	1,019	1	0.1%
21.0%	1,018	1,019	0	0.0%
22.2%	1,018	1,019	1	0.1%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,018	0	0.0%
28.4%	1,017	1,017	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,017	1,017	0	0.0%
34.6%	1,017	1,015	-1	-0.1%
35.8%	1,016	1,014	-2	-0.2%
37.0%	1,015	1,014	-2	-0.2%
38.3%	1,015	1,013	-2	-0.2%
39.5%	1,015	1,012	-3	-0.3%
40.7%	1,014	1,011	-4	-0.4%
42.0%	1,013	1,010	-3	-0.3%
43.2%	1,011	1,010	-1	-0.1%
44.4%	1,011	1,010	-1	-0.1%
45.7%	1,010	1,010	0	0.0%
46.9%	1,010	1,009	0	0.0%
48.1%	1,010	1,007	-2	-0.2%
49.4%	1,009	1,007	-3	-0.3%
50.6%	1,008	1,006	-3	-0.3%
51.9%	1,006	1,006	-1	-0.1%
53.1%	1,006	1,006	0	0.0%
54.3%	1,005	1,005	0	0.0%
55.6%	1,003	1,005	2	0.2%
56.8%	1,003	1,003	1	0.1%
58.0%	1,000	1,003	3	0.3%
59.3%	998	1,001	4	0.4%
60.5%	997	1,000	3	0.3%
61.7%	996	998	2	0.2%
63.0%	996	997	1	0.1%
64.2%	995	997	2	0.3%
65.4%	994	995	1	0.1%
66.7%	994	995	2	0.2%
67.9%	990	994	4	0.4%
69.1%	989	994	4	0.5%
70.4%	986	994	8	0.8%
71.6%	986	988	3	0.3%
72.8%	984	988	4	0.4%
74.1%	983	986	3	0.3%
75.3%	982	986	4	0.4%
76.5%	979	985	6	0.6%
77.8%	979	984	4	0.5%
79.0%	979	983	4	0.4%
80.2%	974	980	6	0.6%
81.5%	968	978	11	1.1%
82.7%	960	973	14	1.4%
84.0%	954	970	16	1.7%
85.2%	951	965	15	1.6%
86.4%	946	954	8	0.8%
87.7%	938	950	11	1.2%
88.9%	937	941	4	0.5%
90.1%	921	941	20	2.2%
91.4%	905	907	2	0.2%
92.6%	880	894	14	1.6%
93.8%	864	885	21	2.4%
95.1%	859	883	24	2.8%
96.3%	857	862	6	0.7%
97.5%	854	858	4	0.5%
98.8%	849	857	8	0.9%
100.0%	848	848	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,034	-1	-0.1%
1.2%	1,034	1,034	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,034	0	0.0%
6.2%	1,033	1,033	0	0.0%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,033	0	0.0%
12.3%	1,031	1,032	1	0.1%
13.6%	1,030	1,030	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,030	0	0.0%
21.0%	1,029	1,030	0	0.0%
22.2%	1,029	1,029	0	0.0%
23.5%	1,028	1,029	1	0.1%
24.7%	1,028	1,028	0	0.0%
25.9%	1,027	1,028	1	0.1%
27.2%	1,027	1,027	0	0.0%
28.4%	1,026	1,027	1	0.1%
29.6%	1,025	1,024	-2	-0.2%
30.9%	1,024	1,023	0	0.0%
32.1%	1,023	1,023	0	0.0%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,022	0	0.0%
39.5%	1,022	1,021	-1	-0.1%
40.7%	1,022	1,020	-2	-0.2%
42.0%	1,021	1,020	-1	-0.1%
43.2%	1,020	1,019	-1	-0.1%
44.4%	1,020	1,017	-3	-0.3%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,017	0	0.0%
50.6%	1,017	1,017	0	0.0%
51.9%	1,017	1,016	-1	-0.1%
53.1%	1,017	1,016	-1	-0.1%
54.3%	1,017	1,015	-2	-0.2%
55.6%	1,016	1,014	-2	-0.2%
56.8%	1,016	1,009	-7	-0.7%
58.0%	1,012	1,009	-4	-0.4%
59.3%	1,007	1,008	1	0.1%
60.5%	1,007	1,007	0	0.0%
61.7%	1,006	1,006	0	0.0%
63.0%	1,005	1,005	0	0.0%
64.2%	1,005	1,004	-1	-0.1%
65.4%	1,005	1,004	-1	-0.1%
66.7%	1,004	1,003	-1	-0.1%
67.9%	1,003	1,002	-1	-0.1%
69.1%	1,003	1,002	0	0.0%
70.4%	1,002	1,001	-1	-0.1%
71.6%	1,001	1,001	-1	-0.1%
72.8%	1,001	999	-2	-0.2%
74.1%	1,001	999	-2	-0.2%
75.3%	999	999	0	0.0%
76.5%	997	997	0	0.0%
77.8%	995	997	2	0.2%
79.0%	991	996	4	0.4%
80.2%	991	992	1	0.1%
81.5%	991	990	-1	-0.1%
82.7%	988	989	2	0.2%
84.0%	984	986	2	0.2%
85.2%	983	985	2	0.2%
86.4%	966	985	18	1.9%
87.7%	962	982	20	2.1%
88.9%	958	981	23	2.4%
90.1%	949	957	8	0.9%
91.4%	929	941	12	1.3%
92.6%	928	930	2	0.3%
93.8%	915	916	1	0.1%
95.1%	878	895	18	2.0%
96.3%	876	889	13	1.4%
97.5%	869	887	18	2.1%
98.8%	865	886	21	2.4%
100.0%	863	876	13	1.5%

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (FEET)	Relative Difference (%)
	End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)			End of Month Elevation (FEET)	End of Month Elevation (FEET)		
0.0%	1,063	1,063	0	0.0%	1,061	1,058	-3	-0.3%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
1.2%	1,047	1,046	-1	-0.1%	1,057	1,057	0	0.0%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
2.5%	1,047	1,045	-1	-0.1%	1,057	1,056	-1	-0.1%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
3.7%	1,046	1,044	-2	-0.2%	1,056	1,056	0	0.0%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
4.9%	1,045	1,044	-1	-0.1%	1,056	1,056	0	0.0%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
6.2%	1,044	1,044	0	0.0%	1,056	1,055	-1	-0.1%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
7.4%	1,044	1,044	0	0.0%	1,056	1,055	-1	-0.1%	1,067	1,067	0	0.0%	1,067	1,067	0	0.0%
8.6%	1,043	1,042	-1	-0.1%	1,055	1,055	0	0.0%	1,067	1,066	-1	-0.1%	1,067	1,067	0	0.0%
9.9%	1,042	1,041	-1	-0.1%	1,055	1,055	0	0.0%	1,066	1,066	0	0.0%	1,067	1,067	0	0.0%
11.1%	1,042	1,040	-2	-0.2%	1,055	1,055	0	0.0%	1,065	1,066	0	0.0%	1,067	1,067	0	0.0%
12.3%	1,040	1,039	-1	-0.1%	1,055	1,055	0	0.0%	1,065	1,065	0	0.0%	1,067	1,067	0	0.0%
13.6%	1,040	1,039	-1	-0.1%	1,055	1,055	0	0.0%	1,065	1,065	0	0.0%	1,067	1,067	0	0.0%
14.8%	1,040	1,039	-1	-0.1%	1,054	1,054	0	0.0%	1,065	1,065	0	0.0%	1,067	1,067	0	0.0%
16.0%	1,039	1,038	-1	-0.1%	1,053	1,053	0	0.0%	1,064	1,065	0	0.0%	1,067	1,067	0	0.0%
17.3%	1,039	1,038	-1	-0.1%	1,052	1,052	0	0.0%	1,064	1,064	0	0.0%	1,067	1,067	0	0.0%
18.5%	1,039	1,037	-2	-0.2%	1,052	1,051	0	0.0%	1,064	1,064	0	0.0%	1,067	1,067	0	0.0%
19.8%	1,038	1,037	-1	-0.1%	1,051	1,051	0	0.0%	1,064	1,064	0	0.0%	1,067	1,067	0	0.0%
21.0%	1,038	1,036	-2	-0.2%	1,051	1,051	0	0.0%	1,063	1,064	0	0.0%	1,067	1,067	0	0.0%
22.2%	1,038	1,036	-2	-0.2%	1,051	1,051	0	0.0%	1,063	1,063	0	0.0%	1,067	1,067	0	0.0%
23.5%	1,038	1,036	-2	-0.2%	1,050	1,050	-1	-0.1%	1,063	1,063	0	0.0%	1,067	1,067	0	0.0%
24.7%	1,037	1,035	-2	-0.2%	1,050	1,049	0	0.0%	1,063	1,063	0	0.0%	1,067	1,067	0	0.0%
25.9%	1,036	1,035	-1	-0.1%	1,048	1,048	0	0.0%	1,063	1,062	0	0.0%	1,067	1,067	0	0.0%
27.2%	1,035	1,034	-1	-0.1%	1,048	1,048	0	0.0%	1,062	1,062	0	0.0%	1,067	1,067	0	0.0%
28.4%	1,035	1,034	-1	0.0%	1,048	1,048	0	0.0%	1,062	1,062	0	0.0%	1,067	1,067	0	0.0%
29.6%	1,034	1,034	-1	-0.1%	1,048	1,048	0	0.0%	1,061	1,062	0	0.0%	1,067	1,067	0	0.0%
30.9%	1,034	1,033	-1	-0.1%	1,048	1,048	0	0.0%	1,061	1,062	0	0.0%	1,067	1,067	0	0.0%
32.1%	1,034	1,032	-2	-0.2%	1,047	1,047	0	0.0%	1,061	1,061	1	0.1%	1,067	1,067	0	0.0%
33.3%	1,034	1,032	-2	-0.2%	1,047	1,047	0	0.0%	1,059	1,060	1	0.1%	1,067	1,067	0	0.0%
34.6%	1,034	1,032	-2	-0.2%	1,046	1,046	0	0.0%	1,059	1,059	0	0.0%	1,066	1,066	0	0.0%
35.8%	1,034	1,031	-3	-0.3%	1,046	1,046	0	0.0%	1,059	1,059	0	0.0%	1,066	1,066	-1	-0.1%
37.0%	1,032	1,031	-1	-0.1%	1,046	1,046	0	0.0%	1,059	1,059	0	0.0%	1,065	1,065	0	0.0%
38.3%	1,031	1,030	0	0.0%	1,046	1,046	0	0.0%	1,059	1,058	-1	-0.1%	1,065	1,064	-1	-0.1%
39.5%	1,031	1,030	0	0.0%	1,046	1,045	0	0.0%	1,059	1,058	-1	-0.1%	1,065	1,064	-1	-0.1%
40.7%	1,030	1,030	-1	-0.1%	1,045	1,045	0	0.0%	1,058	1,058	0	0.0%	1,064	1,064	-1	-0.1%
42.0%	1,029	1,030	0	0.0%	1,045	1,045	0	0.0%	1,058	1,057	-1	-0.1%	1,064	1,064	0	0.0%
43.2%	1,029	1,029	0	0.0%	1,045	1,043	-2	-0.2%	1,058	1,056	-2	-0.2%	1,063	1,063	0	0.0%
44.4%	1,028	1,029	1	0.1%	1,045	1,042	-2	-0.2%	1,058	1,055	-2	-0.2%	1,063	1,063	0	0.0%
45.7%	1,028	1,028	0	0.0%	1,044	1,042	-3	-0.2%	1,057	1,055	-2	-0.2%	1,063	1,063	0	0.0%
46.9%	1,028	1,028	0	0.0%	1,043	1,041	-2	-0.2%	1,055	1,054	-1	-0.1%	1,062	1,063	0	0.0%
48.1%	1,028	1,028	0	0.0%	1,043	1,040	-2	-0.2%	1,055	1,054	-1	-0.1%	1,060	1,061	1	0.1%
49.4%	1,027	1,027	0	0.0%	1,043	1,040	-3	-0.3%	1,054	1,053	0	0.0%	1,057	1,061	4	0.3%
50.6%	1,026	1,027	0	0.0%	1,042	1,040	-2	-0.2%	1,053	1,053	0	0.0%	1,057	1,057	0	0.0%
51.9%	1,026	1,026	0	0.0%	1,042	1,040	-2	-0.2%	1,052	1,052	0	0.0%	1,057	1,056	0	0.0%
53.1%	1,025	1,025	0	0.0%	1,040	1,039	-1	-0.1%	1,052	1,052	0	0.0%	1,056	1,056	0	0.0%
54.3%	1,024	1,024	0	0.0%	1,040	1,039	-1	-0.1%	1,051	1,051	0	0.0%	1,055	1,056	1	0.1%
55.6%	1,024	1,021	-3	-0.3%	1,039	1,038	-1	-0.1%	1,051	1,050	0	0.0%	1,055	1,054	-1	-0.1%
56.8%	1,024	1,020	-4	-0.4%	1,039	1,038	-1	-0.1%	1,050	1,050	0	0.0%	1,053	1,052	-1	-0.1%
58.0%	1,024	1,019	-5	-0.5%	1,038	1,037	0	0.0%	1,050	1,049	-1	-0.1%	1,052	1,052	0	0.0%
59.3%	1,023	1,019	-5	-0.5%	1,037	1,036	-1	-0.1%	1,050	1,049	-1	-0.1%	1,050	1,051	1	0.1%
60.5%	1,022	1,018	-4	-0.4%	1,036	1,035	-1	-0.1%	1,049	1,048	-1	-0.1%	1,050	1,051	1	0.1%
61.7%	1,022	1,018	-4	-0.4%	1,035	1,035	0	0.0%	1,048	1,048	0	0.0%	1,047	1,051	4	0.4%
63.0%	1,021	1,018	-3	-0.3%	1,035	1,035	0	0.0%	1,047	1,047	0	0.0%	1,047	1,050	2	0.2%
64.2%	1,020	1,017	-3	-0.3%	1,035	1,032	-3	-0.3%	1,047	1,047	0	0.0%	1,045	1,047	2	0.2%
65.4%	1,019	1,017	-2	-0.2%	1,032	1,031	-1	-0.1%	1,046	1,046	1	0.1%	1,045	1,047	2	0.2%
66.7%	1,019	1,017	-2	-0.2%	1,031	1,029	-1	-0.1%	1,045	1,046	1	0.1%	1,042	1,046	4	0.4%
67.9%	1,019	1,017	-2	-0.2%	1,030	1,029	-1	-0.1%	1,045	1,046	1	0.1%	1,041	1,045	5	0.5%
69.1%	1,018	1,017	-1	-0.1%	1,029	1,028	-2	-0.2%	1,044	1,045	1	0.1%	1,040	1,043	3	0.3%
70.4%	1,018	1,016	-1	-0.1%	1,029	1,028	-1	-0.1%	1,043	1,045	2	0.2%	1,039	1,041	1	0.1%
71.6%	1,017	1,013	-4	-0.4%	1,028	1,025	-3	-0.3%	1,042	1,045	3	0.3%	1,039	1,040	1	0.1%
72.8%	1,017	1,012	-5	-0.5%	1,025	1,024	-1	-0.1%	1,042	1,043	2	0.2%	1,037	1,039	2	0.2%
74.1%	1,017	1,011	-6	-0.5%	1,024	1,024	0	0.0%	1,041	1,042	2	0.2%	1,034	1,038	3	0.3%
75.3%	1,017	1,010	-7	-0.6%	1,024	1,024	0	0.0%	1,041	1,042	1	0.1%	1,033	1,038	4	0.4%
76.5%	1,015	1,009	-6	-0.6%	1,024	1,024	0	0.0%	1,040	1,041	1	0.1%	1,033	1,033	0	0.0%
77.8%	1,009	1,009	-1	-0.1%	1,024	1,024	0	0.0%	1,039	1,041	2	0.2%	1,032	1,033	2	0.2%
79.0%	1,003	1,003	0	0.0%	1,024	1,021	-3	-0.3%	1,039	1,039	1	0.1%	1,031	1,032	1	0.1%
80.2%	1,001	1,000	-1	-0.1%	1,022	1,019	-2	-0.2%	1,037	1,034	-4	-0.3%	1,030	1,032	1	0.1%
81.5%	1,000	999	-1	-0.1%	1,018	1,016	-2	-0.2%	1,033	1,032	-1	-0.1%	1,029	1,030	1	0.1%
82.7%	1,000	998	-2	-0.2%	1,011	1,015	4	0.4%	1,029	1,029	0	0.0%	1,024	1,025	1	0.1%
84.0%	995	997	2	0.2%	1,010	1,015	5	0.5%	1,019	1,022	2	0.2%	1,020	1,024	4	0.4%
85.2%	995	996	1	0.1%	1,007	1,015	8	0.8%	1,012	1,018	5	0.5%	1,011	1,019	7	0.7%
86.4%	985	996	11	1.1%	1,006	1,015	8	0.8%	1,012	1,014	2	0.2%	1,008	1,018	9	0.9%
87.7%	984	989	5	0.5%	1,005	1,012	6	0.6%	1,006	1,011	6	0.6%	1,007	1,009	2	0.2%
88.9%	971	986	15	1.6%	1,002	1,006	4	0.4%	999	1,010	12	1.2%	1,006	1,007	1	0.1%
90.1%	963	984	20	2.1%	999	999	-1	-0.1%	993	993	0	0.0%	1,005	1,007	2	0.2%
91.4%	961	963	2	0.2%	983	996	13	1.3%	989	993	4	0.4%	973	981	8	0.8%
92.6%	955	962	7	0.8%	973	986	12	1.3%	965	982	17	1.8%	963	981	18	1.9%
93.8%	930	943	13	1.4%	956	967	11	1.2%	964	977	13	1.4%	952	971	19	2.0%
95.1%	921	938	17	1.8%	950	963	13	1.4%	960	976	17	1.7%	946	967	21	2.2%
96.3%	907	913	6	0.7%	936	942	6	0.6%	956	973	17	1.8%	943	962	19	2.0%
97.5%	907	907	0	0.0%	926	936	10	1.0%	931	953	22	2.3%	941	961	20	2.2%
98.8%	882	901	19	2.2%	922	934	12	1.3%	930	948	18	1.9%	937	958	20	2.2%
100.0%	869	899	30	3.4%	921	932	11	1.2%	926	941	14	1.5%	917	932	15	1.6%

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,065	0	0.0%	0.0%	1,053	1,053	0	0.0%	0.0%	1,036	1,036	0	0.0%	0.0%	1,023	1,023	0	0.0%
1.2%	1,065	1,065	0	0.0%	1.2%	1,053	1,053	0	0.0%	1.2%	1,036	1,036	0	0.0%	1.2%	1,023	1,023	0	0.0%
2.5%	1,065	1,065	0	0.0%	2.5%	1,053	1,053	0	0.0%	2.5%	1,036	1,036	0	0.0%	2.5%	1,023	1,023	0	0.0%
3.7%	1,065	1,064	-1	-0.1%	3.7%	1,053	1,052	-1	-0.1%	3.7%	1,036	1,036	0	0.0%	3.7%	1,023	1,023	0	0.0%
4.9%	1,065	1,063	-2	-0.2%	4.9%	1,053	1,051	-1	-0.1%	4.9%	1,036	1,036	0	0.0%	4.9%	1,023	1,023	0	0.0%
6.2%	1,065	1,063	-2	-0.2%	6.2%	1,053	1,051	-2	-0.2%	6.2%	1,036	1,036	0	0.0%	6.2%	1,023	1,023	0	0.0%
7.4%	1,065	1,063	-2	-0.2%	7.4%	1,051	1,050	-1	-0.1%	7.4%	1,036	1,036	0	0.0%	7.4%	1,023	1,023	1	0.1%
8.6%	1,065	1,063	-2	-0.2%	8.6%	1,051	1,050	-1	-0.1%	8.6%	1,036	1,036	0	0.0%	8.6%	1,023	1,023	1	0.1%
9.9%	1,064	1,063	-1	-0.1%	9.9%	1,050	1,049	-1	-0.1%	9.9%	1,036	1,036	0	0.0%	9.9%	1,022	1,023	1	0.1%
11.1%	1,064	1,062	-2	-0.2%	11.1%	1,049	1,049	1	0.0%	11.1%	1,036	1,036	0	0.0%	11.1%	1,022	1,023	1	0.1%
12.3%	1,064	1,062	-2	-0.2%	12.3%	1,049	1,049	0	0.0%	12.3%	1,036	1,036	0	0.0%	12.3%	1,022	1,023	1	0.1%
13.6%	1,063	1,062	-1	-0.1%	13.6%	1,048	1,047	-1	-0.1%	13.6%	1,036	1,036	0	0.0%	13.6%	1,021	1,023	2	0.2%
14.8%	1,062	1,061	-1	-0.1%	14.8%	1,047	1,047	0	0.0%	14.8%	1,036	1,036	0	0.0%	14.8%	1,021	1,023	2	0.2%
16.0%	1,060	1,060	0	0.0%	16.0%	1,046	1,046	0	0.0%	16.0%	1,036	1,036	0	0.0%	16.0%	1,021	1,022	1	0.1%
17.3%	1,060	1,060	0	0.0%	17.3%	1,046	1,045	-1	-0.1%	17.3%	1,034	1,036	1	0.1%	17.3%	1,021	1,021	1	0.1%
18.5%	1,059	1,059	0	0.0%	18.5%	1,045	1,045	0	0.0%	18.5%	1,034	1,035	0	0.0%	18.5%	1,017	1,020	4	0.4%
19.8%	1,059	1,059	-1	-0.1%	19.8%	1,045	1,045	0	0.0%	19.8%	1,033	1,033	0	0.0%	19.8%	1,016	1,019	3	0.3%
21.0%	1,059	1,059	0	0.0%	21.0%	1,045	1,044	-1	-0.1%	21.0%	1,032	1,033	1	0.1%	21.0%	1,016	1,019	3	0.3%
22.2%	1,059	1,058	-1	-0.1%	22.2%	1,044	1,043	-1	-0.1%	22.2%	1,031	1,031	0	0.0%	22.2%	1,015	1,018	3	0.3%
23.5%	1,059	1,058	-1	-0.1%	23.5%	1,042	1,040	-2	-0.2%	23.5%	1,029	1,029	0	0.0%	23.5%	1,015	1,018	3	0.3%
24.7%	1,058	1,058	0	0.0%	24.7%	1,038	1,040	2	0.2%	24.7%	1,024	1,028	4	0.4%	24.7%	1,014	1,017	3	0.3%
25.9%	1,057	1,058	1	0.1%	25.9%	1,037	1,040	3	0.2%	25.9%	1,024	1,028	4	0.4%	25.9%	1,013	1,016	2	0.2%
27.2%	1,056	1,057	1	0.1%	27.2%	1,036	1,039	3	0.3%	27.2%	1,023	1,026	4	0.4%	27.2%	1,013	1,015	2	0.2%
28.4%	1,056	1,057	1	0.1%	28.4%	1,036	1,039	3	0.3%	28.4%	1,022	1,026	4	0.4%	28.4%	1,012	1,015	3	0.3%
29.6%	1,055	1,057	1	0.1%	29.6%	1,036	1,039	3	0.3%	29.6%	1,021	1,026	5	0.5%	29.6%	1,012	1,015	3	0.3%
30.9%	1,055	1,057	1	0.1%	30.9%	1,035	1,039	3	0.3%	30.9%	1,021	1,025	4	0.4%	30.9%	1,011	1,015	4	0.4%
32.1%	1,054	1,056	2	0.2%	32.1%	1,034	1,037	4	0.4%	32.1%	1,020	1,024	4	0.4%	32.1%	1,010	1,015	5	0.5%
33.3%	1,054	1,056	2	0.2%	33.3%	1,033	1,037	4	0.4%	33.3%	1,019	1,024	5	0.5%	33.3%	1,009	1,015	5	0.5%
34.6%	1,054	1,055	1	0.1%	34.6%	1,033	1,036	3	0.3%	34.6%	1,018	1,020	2	0.2%	34.6%	1,009	1,015	6	0.6%
35.8%	1,054	1,055	1	0.1%	35.8%	1,031	1,035	3	0.3%	35.8%	1,017	1,020	3	0.3%	35.8%	1,007	1,013	6	0.6%
37.0%	1,053	1,054	1	0.1%	37.0%	1,031	1,034	3	0.3%	37.0%	1,015	1,020	5	0.5%	37.0%	1,007	1,013	6	0.6%
38.3%	1,050	1,053	3	0.3%	38.3%	1,027	1,033	6	0.6%	38.3%	1,015	1,020	5	0.5%	38.3%	1,005	1,012	7	0.7%
39.5%	1,049	1,051	3	0.3%	39.5%	1,026	1,033	7	0.7%	39.5%	1,015	1,019	4	0.4%	39.5%	1,005	1,012	7	0.7%
40.7%	1,048	1,051	3	0.2%	40.7%	1,024	1,031	7	0.7%	40.7%	1,011	1,019	8	0.8%	40.7%	1,005	1,011	7	0.7%
42.0%	1,048	1,051	3	0.3%	42.0%	1,024	1,031	7	0.7%	42.0%	1,011	1,018	7	0.7%	42.0%	1,004	1,011	7	0.7%
43.2%	1,048	1,051	3	0.3%	43.2%	1,024	1,031	7	0.7%	43.2%	1,010	1,016	6	0.6%	43.2%	1,004	1,011	7	0.7%
44.4%	1,047	1,051	4	0.3%	44.4%	1,023	1,030	7	0.7%	44.4%	1,009	1,016	7	0.7%	44.4%	1,003	1,011	7	0.7%
45.7%	1,047	1,050	3	0.3%	45.7%	1,023	1,028	5	0.5%	45.7%	1,009	1,013	4	0.4%	45.7%	1,003	1,008	5	0.5%
46.9%	1,046	1,049	3	0.3%	46.9%	1,023	1,026	3	0.3%	46.9%	1,009	1,012	4	0.4%	46.9%	1,003	1,008	5	0.5%
48.1%	1,043	1,049	5	0.5%	48.1%	1,023	1,026	3	0.3%	48.1%	1,008	1,011	4	0.4%	48.1%	1,002	1,008	6	0.6%
49.4%	1,043	1,047	4	0.4%	49.4%	1,022	1,025	3	0.3%	49.4%	1,007	1,011	4	0.4%	49.4%	1,001	1,007	6	0.6%
50.6%	1,043	1,046	3	0.3%	50.6%	1,022	1,023	2	0.2%	50.6%	1,007	1,010	4	0.4%	50.6%	999	1,005	6	0.6%
51.9%	1,042	1,045	3	0.3%	51.9%	1,021	1,023	1	0.1%	51.9%	1,004	1,010	6	0.6%	51.9%	999	1,004	5	0.5%
53.1%	1,041	1,044	2	0.2%	53.1%	1,021	1,022	1	0.1%	53.1%	1,004	1,010	6	0.6%	53.1%	999	1,003	5	0.5%
54.3%	1,041	1,043	2	0.2%	54.3%	1,021	1,022	1	0.1%	54.3%	1,003	1,006	2	0.2%	54.3%	998	1,003	5	0.5%
55.6%	1,040	1,042	3	0.3%	55.6%	1,018	1,019	1	0.1%	55.6%	1,003	1,006	3	0.3%	55.6%	998	1,002	4	0.4%
56.8%	1,039	1,042	3	0.3%	56.8%	1,017	1,019	1	0.1%	56.8%	1,002	1,006	4	0.4%	56.8%	997	1,001	4	0.4%
58.0%	1,038	1,042	4	0.4%	58.0%	1,015	1,018	3	0.3%	58.0%	1,002	1,005	4	0.4%	58.0%	997	1,000	3	0.3%
59.3%	1,038	1,039	2	0.2%	59.3%	1,015	1,018	3	0.3%	59.3%	1,000	1,004	3	0.3%	59.3%	993	999	6	0.6%
60.5%	1,037	1,039	2	0.2%	60.5%	1,015	1,016	1	0.1%	60.5%	1,000	1,003	4	0.4%	60.5%	991	998	7	0.7%
61.7%	1,036	1,039	3	0.3%	61.7%	1,014	1,016	2	0.2%	61.7%	1,000	1,001	1	0.1%	61.7%	991	998	6	0.7%
63.0%	1,035	1,038	3	0.3%	63.0%	1,013	1,015	2	0.2%	63.0%	997	999	2	0.2%	63.0%	991	996	5	0.5%
64.2%	1,035	1,038	3	0.3%	64.2%	1,012	1,015	3	0.3%	64.2%	995	999	4	0.4%	64.2%	990	993	3	0.3%
65.4%	1,033	1,035	2	0.2%	65.4%	1,011	1,014	3	0.3%	65.4%	993	999	6	0.6%	65.4%	989	993	4	0.4%
66.7%	1,031	1,034	3	0.3%	66.7%	1,008	1,012	4	0.4%	66.7%	993	998	5	0.5%	66.7%	987	992	5	0.5%
67.9%	1,029	1,032	3	0.3%	67.9%	1,005	1,010	5	0.5%	67.9%	992	996	4	0.4%	67.9%	987	990	4	0.4%
69.1%	1,025	1,030	5	0.5%	69.1%	1,005	1,006	0	0.0%	69.1%	991	995	5	0.5%	69.1%	986	990	4	0.4%
70.4%	1,024	1,030	6	0.6%	70.4%	1,001	1,004	3	0.3%	70.4%	990	993	3	0.3%	70.4%	986	990	4	0.4%
71.6%	1,024	1,026	2	0.2%	71.6%	1,001	1,003	2	0.2%	71.6%	990	993	3	0.3%	71.6%	984	990	6	0.6%
72.8%	1,023	1,026	2	0.2%	72.8%	999	1,001	2	0.2%	72.8%	989	991	1	0.2%	72.8%	978	987	9	0.9%
74.1%	1,019	1,025	6	0.6%	74.1%	996	1,001	4	0.4%	74.1%	988	991	3	0.3%	74.1%	975	987	12	1.2%
75.3%	1,016	1,024	8	0.8%	75.3%	996	1,000	4	0.4%	75.3%	983	989	6	0.6%	75.3%	975	984	9	1.0%
76.5%	1,015	1,020	5	0.5%	76.5%	994	999	5	0.5%	76.5%	981	987	6	0.6%	76.5%	974	980	7	0.7%
77.8%	1,015	1,017	2	0.2%	77.8%	994	998	5	0.5%	77.8%	980	983	3	0.3%	77.8%	969	980	11	1.1%
79.0%	1,015	1,017	2	0.2%	79.0%	992	996	4	0.4%	79.0%	972	982	11	1.1%	79.0%	969	975	6	0.6%
80.2%	1,013	1,016	4	0.4%	80.2%	989	994	6	0.6%	80.2%	965	981	16	1.6%	80.2%	969	974	5	0.5%
81.5%	1,013	1,016	3	0.3%	81.5%	988	994	6	0.6%	81.5%	964	978	14	1.5%	81.5%	961	972	11	1.1%
82.7%	1,001	1,011	9	0.9%	82.7%	978	987	8	0.8%	82.7%	961	968	7	0.7%	82.7%	961	966	5	0.5%
84.0%	1,001	1,010	9	0.9%	84.0%	978	986	9	0.9%	84.0%	958	963	5	0.5%	84.0%	959	963	4	0.5%
85.2%	997	1,009	12	1.2%	85.2%	976	983	7	0.7%	85.2%	957	963	7	0.7%	85.2%	952	959	7	0.7%
86.4%	996	998	1	0.1%	86.4%	971	983	12	1.2%	86.4%	952	962	10	1.0%	86.4%	950	954	4	0.4%
87.7%	996	997	1	0.1%	87.7%	970	974	3	0.3%	87.7%	945	950	5	0.5%	87.7%	933	945	12	1.3%
88.9%	993	997	4	0.5%	88.9%	967	969	2	0.2%	88.9%	941	947	6	0.7%	88.9%	933	945	12	1.3%
90.1%	985	995	10	1.0%	90.1%	956	968	13	1.3%	90.1%	940	943	3	0.3%	90.1%	932	940	8	0.8%
91.4%	948	965	17	1.8%	91.4%	925	943	18	2.0%	91.4%	904	913	9	1.0%	91.4%	895	906	11	1.3%
92.6%	947	956	9	1.0%	92.6%	919	930	11	1.2%	92.6%	897	912	15	1.6%	92.6%	879	906	26	3.0%
93.8%	929	949	20	2.2%	93.8%	910	923	13	1.5%	93.8%	889	902	13	1.5%	93.8%	879	884	6	0.6%
95.1%	927	948	22	2.3%	95.1%	897	922	25	2.8%	95.1%	857	898	40	4.7%	95.1%	845	861	15	1.8%
96.3%	923	944	21	2.3%	96.3%	887	920	34	3.8%	96.3%	845	876	31	3.7%	96.3%	837	855	18	2.1%
97.5%	914	936	22	2.4%	97.5%	872	898	26	3.0%	97.5%	836	849	14	1.7%	97.5%	834	852	18	2.1%
98.8%	907	929	22	2.5%	98.8%	846	891	45	5.3%	98.8%	834	848	14	1.6%	98.8%	834	851	17	2.0%
100.0%	870	892	22	2.6%	100.0%	842	850	9	1.0%	100.0%	834	837	3	0.4%	100.0%	834	834	0	0.0%

Table SW-09-3a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					End of Month Area (ACRE)							
					Long-term							
Full Simulation Period[1]												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative A	20,500	20,429	21,105	22,514	23,874	25,724	27,181	27,375	26,021	23,641	21,899	20,968
Difference	528	508	254	140	5	78	187	270	407	473	511	583
Percent Difference[3]	2.6%	2.6%	1.2%	0.6%	0.0%	0.3%	0.7%	1.0%	1.6%	2.0%	2.4%	2.9%
					Water Year Types[2]							
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative A	23,053	22,643	23,162	24,849	25,877	26,952	28,986	29,650	28,823	27,044	25,532	23,625
Difference	194	363	51	34	-59	-14	-1	-9	-26	73	169	317
Percent Difference	0.9%	1.6%	0.2%	0.1%	-0.2%	-0.1%	0.0%	0.0%	-0.1%	0.3%	0.7%	1.4%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative A	22,863	22,401	22,912	23,226	24,608	27,348	29,281	29,598	28,239	25,693	24,044	23,404
Difference	531	426	15	27	-125	-52	-68	-80	104	218	386	623
Percent Difference	2.4%	1.9%	0.1%	0.1%	-0.5%	-0.2%	-0.2%	-0.3%	0.4%	0.9%	1.6%	2.7%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative A	22,070	22,331	22,559	22,249	24,072	26,062	27,837	28,019	26,736	24,227	22,606	22,272
Difference	324	174	-53	64	-43	13	-8	26	239	306	472	445
Percent Difference	1.5%	0.8%	-0.2%	0.3%	-0.2%	0.1%	0.0%	0.1%	0.9%	1.3%	2.1%	2.0%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative A	19,828	20,151	21,276	21,598	23,340	25,915	26,897	26,741	25,078	22,374	20,542	20,192
Difference	1,017	855	602	72	-143	23	288	522	757	740	810	871
Percent Difference	5.4%	4.4%	2.9%	0.3%	-0.6%	0.1%	1.1%	2.0%	3.1%	3.4%	4.1%	4.5%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative A	11,784	11,855	12,888	18,424	19,373	20,761	20,828	20,421	18,313	15,435	13,092	12,417
Difference	754	775	772	676	552	564	924	1,132	1,318	1,387	975	845
Percent Difference	6.8%	7.0%	6.4%	3.8%	2.9%	2.8%	4.6%	5.9%	7.8%	9.9%	8.0%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-09-3b
Shasta Lake, End of Month Area
Probability of Exceedance

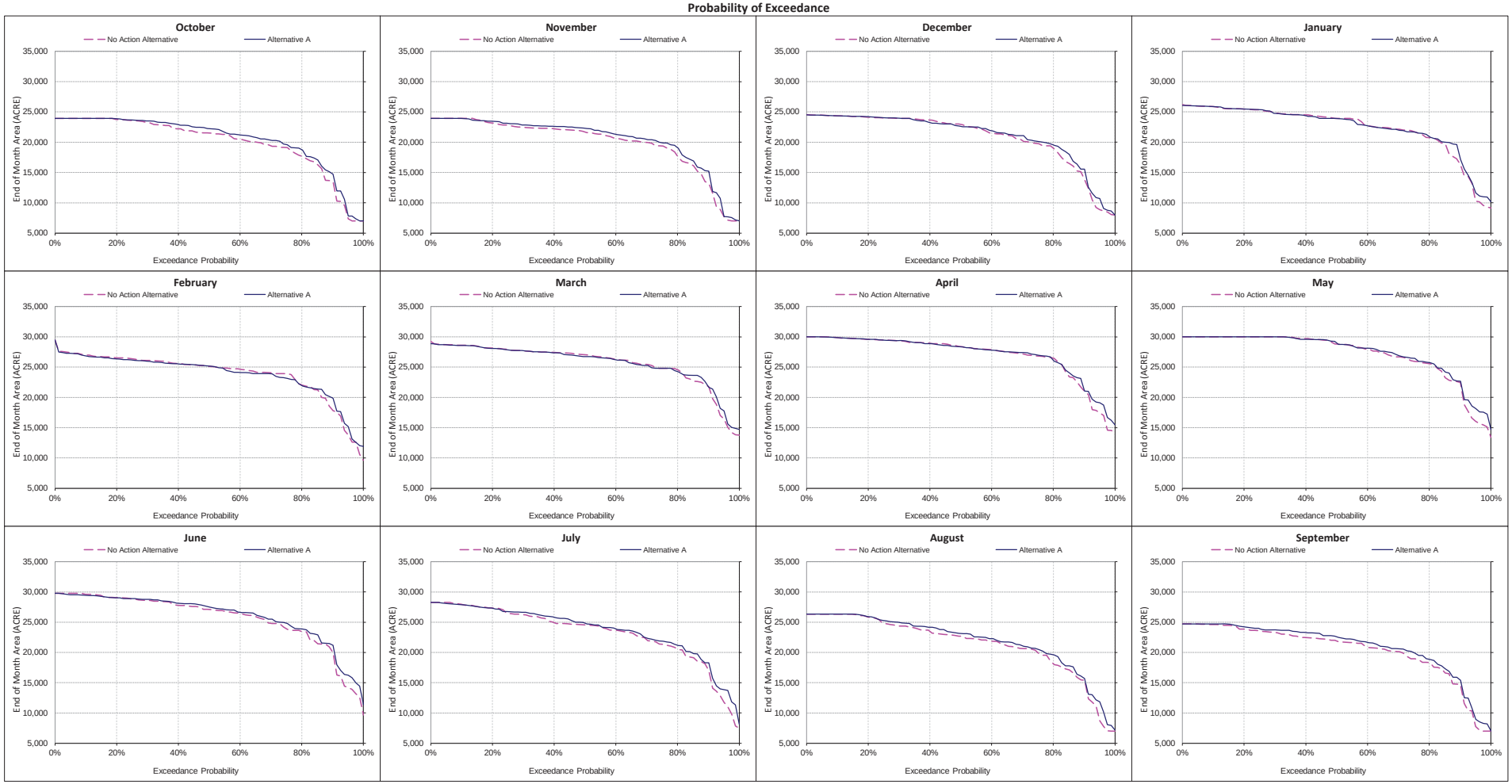

Table SW-09-3b

Shasta Lake, End of Month Area

Probability of Exceedance

October					November					December					January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%	0.0%	23,937	23,937	0	0.0%	0.0%	24,552	24,514	-37	-0.2%	0.0%	26,215	26,063	-152	-0.6%
1.2%	23,927	23,927	0	0.0%	1.2%	23,937	23,937	0	0.0%	1.2%	24,514	24,487	-27	-0.1%	1.2%	26,063	26,053	-11	0.0%
2.5%	23,927	23,927	0	0.0%	2.5%	23,937	23,937	0	0.0%	2.5%	24,461	24,455	-5	0.0%	2.5%	26,053	26,011	-42	-0.2%
3.7%	23,927	23,927	0	0.0%	3.7%	23,937	23,937	0	0.0%	3.7%	24,455	24,455	0	0.0%	3.7%	26,011	26,009	-2	0.0%
4.9%	23,927	23,927	0	0.0%	4.9%	23,937	23,937	0	0.0%	4.9%	24,455	24,439	-16	-0.1%	4.9%	25,972	25,972	0	0.0%
6.2%	23,927	23,927	0	0.0%	6.2%	23,937	23,937	0	0.0%	6.2%	24,439	24,434	-5	0.0%	6.2%	25,926	25,940	14	0.1%
7.4%	23,927	23,927	0	0.0%	7.4%	23,937	23,937	0	0.0%	7.4%	24,397	24,397	0	0.0%	7.4%	25,925	25,925	0	0.0%
8.6%	23,927	23,927	0	0.0%	8.6%	23,937	23,937	0	0.0%	8.6%	24,381	24,381	0	0.0%	8.6%	25,914	25,914	0	0.0%
9.9%	23,927	23,927	0	0.0%	9.9%	23,937	23,937	0	0.0%	9.9%	24,356	24,346	-9	0.0%	9.9%	25,882	25,882	0	0.0%
11.1%	23,927	23,927	0	0.0%	11.1%	23,937	23,880	-57	-0.2%	11.1%	24,343	24,343	0	0.0%	11.1%	25,818	25,874	56	0.2%
12.3%	23,927	23,927	0	0.0%	12.3%	23,937	23,855	-82	-0.3%	12.3%	24,311	24,311	0	0.0%	12.3%	25,640	25,818	177	0.7%
13.6%	23,927	23,927	0	0.0%	13.6%	23,937	23,631	-306	-1.3%	13.6%	24,295	24,295	0	0.0%	13.6%	25,551	25,598	47	0.2%
14.8%	23,927	23,927	0	0.0%	14.8%	23,732	23,586	-146	-0.6%	14.8%	24,284	24,284	0	0.0%	14.8%	25,540	25,571	31	0.1%
16.0%	23,927	23,927	0	0.0%	16.0%	23,626	23,569	-57	-0.2%	16.0%	24,279	24,279	0	0.0%	16.0%	25,540	25,540	0	0.0%
17.3%	23,927	23,927	0	0.0%	17.3%	23,409	23,563	154	0.7%	17.3%	24,247	24,264	17	0.1%	17.3%	25,535	25,540	5	0.0%
18.5%	23,927	23,920	-7	0.0%	18.5%	23,244	23,484	240	1.0%	18.5%	24,180	24,247	67	0.3%	18.5%	25,527	25,535	8	0.0%
19.8%	23,751	23,899	148	0.6%	19.8%	23,177	23,459	282	1.2%	19.8%	24,156	24,226	69	0.3%	19.8%	25,481	25,481	0	0.0%
21.0%	23,712	23,861	149	0.6%	21.0%	23,130	23,431	301	1.3%	21.0%	24,114	24,156	43	0.2%	21.0%	25,428	25,480	53	0.2%
22.2%	23,705	23,709	4	0.0%	22.2%	22,919	23,386	467	2.0%	22.2%	24,065	24,147	82	0.3%	22.2%	25,412	25,428	16	0.1%
23.5%	23,649	23,683	33	0.1%	23.5%	22,851	23,137	286	1.3%	23.5%	24,054	24,114	60	0.2%	23.5%	25,343	25,412	68	0.3%
24.7%	23,583	23,659	76	0.3%	24.7%	22,836	23,129	292	1.3%	24.7%	24,018	24,065	47	0.2%	24.7%	25,342	25,343	1	0.0%
25.9%	23,572	23,655	83	0.4%	25.9%	22,695	23,054	359	1.6%	25.9%	24,017	24,017	0	0.0%	25.9%	25,206	25,342	137	0.5%
27.2%	23,514	23,611	97	0.4%	27.2%	22,599	23,040	441	2.0%	27.2%	24,007	24,007	0	0.0%	27.2%	25,128	25,189	61	0.2%
28.4%	23,447	23,581	134	0.6%	28.4%	22,525	23,012	487	2.2%	28.4%	23,992	23,998	6	0.0%	28.4%	25,056	25,164	108	0.4%
29.6%	23,240	23,534	294	1.3%	29.6%	22,520	22,862	342	1.5%	29.6%	23,938	23,981	43	0.2%	29.6%	24,969	24,756	-213	-0.9%
30.9%	23,179	23,504	325	1.4%	30.9%	22,411	22,828	417	1.9%	30.9%	23,937	23,938	1	0.0%	30.9%	24,750	24,728	-22	-0.1%
32.1%	22,915	23,460	545	2.4%	32.1%	22,391	22,805	414	1.8%	32.1%	23,937	23,937	0	0.0%	32.1%	24,679	24,669	-10	0.0%
33.3%	22,887	23,323	436	1.9%	33.3%	22,346	22,729	383	1.7%	33.3%	23,921	23,937	17	0.1%	33.3%	24,669	24,573	-96	-0.4%
34.6%	22,846	23,249	404	1.8%	34.6%	22,344	22,715	371	1.7%	34.6%	23,887	23,724	-164	-0.7%	34.6%	24,634	24,557	-77	-0.3%
35.8%	22,765	23,248	482	2.1%	35.8%	22,306	22,675	369	1.7%	35.8%	23,825	23,589	-235	-1.0%	35.8%	24,573	24,551	-22	-0.1%
37.0%	22,747	23,121	374	1.6%	37.0%	22,297	22,670	373	1.7%	37.0%	23,734	23,508	-226	-1.0%	37.0%	24,557	24,546	-11	0.0%
38.3%	22,304	23,042	738	3.3%	38.3%	22,283	22,632	349	1.6%	38.3%	23,694	23,493	-201	-0.8%	38.3%	24,546	24,504	-43	-0.2%
39.5%	22,223	22,956	733	3.3%	39.5%	22,234	22,626	391	1.8%	39.5%	23,682	23,310	-372	-1.6%	39.5%	24,505	24,399	-106	-0.4%
40.7%	22,222	22,816	594	2.7%	40.7%	22,153	22,609	455	2.1%	40.7%	23,627	23,141	-485	-2.1%	40.7%	24,504	24,284	-219	-0.9%
42.0%	21,904	22,792	889	4.1%	42.0%	22,094	22,594	500	2.3%	42.0%	23,486	23,126	-361	-1.5%	42.0%	24,399	24,258	-141	-0.6%
43.2%	21,876	22,759	883	4.0%	43.2%	22,084	22,583	499	2.3%	43.2%	23,249	23,065	-183	-0.8%	43.2%	24,334	24,172	-162	-0.7%
44.4%	21,858	22,558	701	3.2%	44.4%	22,024	22,524	500	2.3%	44.4%	23,198	23,031	-167	-0.7%	44.4%	24,284	23,938	-347	-1.4%
45.7%	21,653	22,469	816	3.8%	45.7%	21,990	22,499	509	2.3%	45.7%	23,055	23,025	-30	-0.1%	45.7%	24,174	23,938	-237	-1.0%
46.9%	21,586	22,468	881	4.1%	46.9%	21,942	22,429	487	2.2%	46.9%	23,038	23,003	-35	-0.2%	46.9%	24,121	23,937	-183	-0.8%
48.1%	21,545	22,430	884	4.1%	48.1%	21,921	22,400	479	2.2%	48.1%	23,017	22,745	-272	-1.2%	48.1%	24,061	23,937	-123	-0.5%
49.4%	21,542	22,273	732	3.4%	49.4%	21,783	22,330	547	2.5%	49.4%	23,006	22,692	-315	-1.4%	49.4%	23,938	23,937	-1	0.0%
50.6%	21,500	22,225	725	3.4%	50.6%	21,584	22,260	675	3.1%	50.6%	22,890	22,563	-327	-1.4%	50.6%	23,938	23,887	-50	-0.2%
51.9%	21,392	22,163	771	3.6%	51.9%	21,567	22,215	647	3.0%	51.9%	22,618	22,532	-86	-0.4%	51.9%	23,937	23,834	-103	-0.4%
53.1%	21,359	22,092	733	3.4%	53.1%	21,418	21,976	558	2.6%	53.1%	22,542	22,524	-18	-0.1%	53.1%	23,937	23,780	-157	-0.7%
54.3%	21,300	21,785	485	2.3%	54.3%	21,331	21,954	623	2.9%	54.3%	22,480	22,508	28	0.1%	54.3%	23,937	23,724	-213	-0.9%
55.6%	21,300	21,485	186	0.9%	55.6%	21,314	21,739	425	2.0%	55.6%	22,268	22,493	225	1.0%	55.6%	23,807	23,547	-260	-1.1%
56.8%	21,038	21,350	312	1.5%	56.8%	21,068	21,694	626	3.0%	56.8%	22,170	22,265	95	0.4%	56.8%	23,787	22,928	-859	-3.6%
58.0%	20,572	21,319	747	3.6%	58.0%	20,969	21,530	561	2.7%	58.0%	21,863	22,262	398	1.8%	58.0%	23,384	22,898	-487	-2.1%
59.3%	20,507	21,263	756	3.7%	59.3%	20,720	21,390	670	3.2%	59.3%	21,545	21,977	431	2.0%	59.3%	22,694	22,805	111	0.5%
60.5%	20,445	21,174	729	3.6%	60.5%	20,615	21,232	617	3.0%	60.5%	21,478	21,855	377	1.8%	60.5%	22,684	22,695	11	0.0%
61.7%	20,290	21,138	848	4.2%	61.7%	20,500	21,183	682	3.3%	61.7%	21,387	21,578	191	0.9%	61.7%	22,583	22,541	-42	-0.2%
63.0%	20,132	21,033	901	4.5%	63.0%	20,347	21,065	718	3.5%	63.0%	21,365	21,524	159	0.7%	63.0%	22,484	22,462	-23	-0.1%
64.2%	20,118	20,857	739	3.7%	64.2%	20,260	20,943	683	3.4%	64.2%	21,199	21,506	307	1.4%	64.2%	22,461	22,344	-116	-0.5%
65.4%	19,999	20,740	741	3.7%	65.4%	20,215	20,929	714	3.5%	65.4%	21,140	21,277	137	0.6%	65.4%	22,411	22,305	-107	-0.5%
66.7%	19,926	20,540	615	3.1%	66.7%	20,214	20,681	467	2.3%	66.7%	21,051	21,270	218	1.0%	66.7%	22,378	22,266	-112	-0.5%
67.9%	19,624	20,530	907	4.6%	67.9%	20,070	20,676	606	3.0%	67.9%	20,588	21,104	517	2.5%	67.9%	22,258	22,150	-108	-0.5%
69.1%	19,584	20,403	819	4.2%	69.1%	19,985	20,597	612	3.1%	69.1%	20,552	21,102	550	2.7%	69.1%	22,184	22,129	-54	-0.2%
70.4%	19,332	20,296	964	5.0%	70.4%	19,935	20,426	491	2.5%	70.4%	20,107	21,086	979	4.9%	70.4%	22,124	21,974	-151	-0.7%
71.6%	19,306	20,288	981	5.1%	71.6%	19,838	20,415	578	2.9%	71.6%	20,071	20,415	344	1.7%	71.6%	22,024	21,923	-100	-0.5%
72.8%	19,175	20,150	975	5.1%	72.8%	19,415	20,268	852	4.4%	72.8%	19,890	20,332	442	2.2%	72.8%	22,001	21,727	-274	-1.2%
74.1%	19,175	19,685	510	2.7%	74.1%	19,404	20,012	608	3.1%	74.1%	19,828	20,166	338	1.7%	74.1%	21,934	21,716	-219	-1.0%
75.3%	19,134	19,595	461	2.4%	75.3%	19,385	19,884	499	2.6%	75.3%	19,732	20,132	399	2.0%	75.3%	21,714	21,688	-25	-0.1%
76.5%	18,569	19,109	540	2.9%	76.5%	19,041	19,880	839	4.4%	76.5%	19,407	20,055	648	3.3%	76.5%	21,466	21,502	36	0.2%
77.8%	18,176	19,055	879	4.8%	77.8%	18,832	19,564	732	3.9%	77.8%	19,403	19,858	455	2.3%	77.8%	21,252	21,455	202	1.0%
79.0%	17,868	19,016	1,148	6.4%	79.0%	18,416	19,508	1,092	5.9%	79.0%	19,394	19,758	364	1.9%	79.0%	20,785	21,303	518	2.5%
80.2%	17,645	18,700	1,055	6.0%	80.2%	17,489	18,969	1,481	8.5%	80.2%	18,910	19,500	591	3.1%	80.2%	20,753	20,852	99	0.5%
81.5%	17,279	17,644	365	2.1%	81.5%	16,868	17,910	1,042	6.2%	81.5%	18,234	19,331	1,097	6.0%	81.5%	20,693	20,623	-70	-0.3%
82.7%	16,917	17,611	693	4.1%	82.7%	16,634	17,482	848	5.1%	82.7%	17,431	18,814	1,384	7.9%	82.7%	20,327	20,543	216	1.1%
84.0%	16,784	17,397	613	3.7%	84.0%	16,529	17,194	666	4.0%	84.0%	16,806	18,434	1,628	9.7%	84.0%	19,862	20,069	207	1.0%
85.2%	16,267	17,082	815	5.0%	85.2%	16,098	16,912	814	5.1%	85.2%	16,478	17,991	1,513	9.2%	85.2%	19,767	19,975	208	1.1%
86.4%	15,617	16,062	445	2.8%	86.4%	15,225	15,908	683	4.5%	86.4%	16,058	16,872	814	5.1%	86.4%	18,091	19,967	1,876	10.4%
87.7%	13,729	15,428	1,699	12.4%	87.7%	14,745	15,724	979	6.6%	87.7%	15,251	16,384	1,133	7.4%	87.7%	17,646	19,714	2,068	11.7%
88.9%	13,662	15,157	1,495	10.9%	88.9%	13,502	15,288	1,787	13.2%	88.9%	15,129	15,556	427	2.8%	88.9%	17,282	19,601	2,318	13.4%
90.1%	13,495	14,707	1,212	9.0%	90.1%	13,207	15,220	2,013	15.2%	90.1%	13,789	15,535	1,746	12.7%	90.1%	16,310	17,144	834	5.1%
91.4%	10,270	11,960	1,690	16.5%	91.4%	11,571	11,875	304	2.6%	91.4%	12,387	12,575	189	1.5%	91.4%	14,444	15,550	1,106	7.7%
92.6%	10,218	11,946	1,728	16.9%	92.6%	9,329	11,648	2,319	24.9%	92.6%	10,483	11,560	1,077	10.3%	92.6%	14,361	14,560	198	1.4%
93.8%	9,580	10,575	995	10.4%	93.8%	8,874	10,719	1,845	20.8%	93.8%	9,243	10,856	1,613	17.5%	93.8%	13,245	13,345	101	0.8%
95.1%	7,356	7,828	472	6.4%	95.1%	7,685	7,712	27	0.3%	95.1%	8,852	10,695	1,843	20.8%	95.1%	10,267	11,631	1,364	13.3%
96.3%	7,002	7,828	826	11.8%	96.3%	7,146	7,685	539	7.5%	96.3%	8,637	9,070	432	5.0%	96.3%	10,157	11,136	980	9.6%
97.5%	7,002	7,328	326	4.7%	97.5%	7,018	7,549	531	7.6%	97.5%	8,457	8,769	312	3.7%	97.5%	9,584	10,978	1,394	14.5%
98.8%	7,002	7,002	0	0.0%	98.8%	7,002	7,163	161	2.3%	98.8%	8,071	8,652	582	7.2%	98.8%	9,316	10,935	1,620	17.4%
100.0%	7,002	7,002	0	0.0%	100.0%	7,002	7,002	0	0.0%	100.0%	7,967	7,967	0	0.0%	100.0%	9,137	10,157	1,020	11.2%

Table SW-09-3b

Shasta Lake, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February				March				April				May			
	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	29,486	-3	0.0%	29,239	28,877	-362	-1.2%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
1.2%	27,607	27,483	-123	-0.4%	28,833	28,833	0	0.0%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
2.5%	27,571	27,391	-179	-0.7%	28,803	28,715	-88	-0.3%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
3.7%	27,482	27,288	-193	-0.7%	28,730	28,700	-30	-0.1%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
4.9%	27,391	27,262	-129	-0.5%	28,715	28,687	-28	-0.1%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
6.2%	27,288	27,234	-54	-0.2%	28,700	28,614	-86	-0.3%	30,000	30,000	0	0.0%	30,000	30,000	0	0.0%
7.4%	27,262	27,208	-54	-0.2%	28,687	28,603	-84	-0.3%	29,974	29,974	0	0.0%	30,000	30,000	0	0.0%
8.6%	27,103	26,979	-123	-0.5%	28,614	28,601	-13	0.0%	29,953	29,872	-82	-0.3%	30,000	30,000	0	0.0%
9.9%	26,979	26,860	-119	-0.4%	28,603	28,584	-19	-0.1%	29,872	29,852	-19	-0.1%	30,000	30,000	0	0.0%
11.1%	26,979	26,748	-231	-0.9%	28,601	28,580	-21	-0.1%	29,788	29,837	49	0.2%	30,000	30,000	0	0.0%
12.3%	26,796	26,677	-119	-0.4%	28,584	28,525	-58	-0.2%	29,776	29,776	0	0.0%	30,000	30,000	0	0.0%
13.6%	26,748	26,675	-73	-0.3%	28,580	28,523	-57	-0.2%	29,771	29,769	-3	0.0%	30,000	30,000	0	0.0%
14.8%	26,717	26,651	-66	-0.2%	28,484	28,458	-26	-0.1%	29,725	29,767	42	0.1%	30,000	30,000	0	0.0%
16.0%	26,675	26,527	-148	-0.6%	28,326	28,326	0	0.0%	29,686	29,724	37	0.1%	30,000	30,000	0	0.0%
17.3%	26,674	26,512	-162	-0.6%	28,185	28,185	0	0.0%	29,649	29,686	38	0.1%	30,000	30,000	0	0.0%
18.5%	26,651	26,382	-269	-1.0%	28,163	28,138	-25	-0.1%	29,607	29,657	50	0.2%	30,000	30,000	0	0.0%
19.8%	26,527	26,381	-145	-0.5%	28,138	28,086	-51	-0.2%	29,588	29,588	1	0.0%	30,000	30,000	0	0.0%
21.0%	26,512	26,298	-213	-0.8%	28,086	28,082	-4	0.0%	29,568	29,588	20	0.1%	30,000	30,000	0	0.0%
22.2%	26,505	26,252	-253	-1.0%	28,082	28,044	-38	-0.1%	29,528	29,568	40	0.1%	30,000	30,000	0	0.0%
23.5%	26,489	26,237	-252	-0.9%	28,001	27,936	-65	-0.2%	29,512	29,493	-19	-0.1%	30,000	30,000	0	0.0%
24.7%	26,400	26,197	-203	-0.8%	27,936	27,882	-54	-0.2%	29,493	29,465	-28	-0.1%	30,000	30,000	0	0.0%
25.9%	26,298	26,122	-176	-0.7%	27,773	27,773	0	0.0%	29,484	29,424	-60	-0.2%	30,000	30,000	0	0.0%
27.2%	26,197	26,085	-112	-0.4%	27,760	27,760	0	0.0%	29,426	29,424	-2	0.0%	30,000	30,000	0	0.0%
28.4%	26,122	26,059	-63	-0.2%	27,726	27,726	0	0.0%	29,424	29,369	-55	-0.2%	30,000	30,000	0	0.0%
29.6%	26,085	25,989	-96	-0.4%	27,723	27,723	0	0.0%	29,338	29,368	31	0.1%	30,000	30,000	0	0.0%
30.9%	26,085	25,936	-148	-0.6%	27,674	27,674	0	0.0%	29,328	29,359	31	0.1%	30,000	30,000	0	0.0%
32.1%	26,047	25,829	-218	-0.8%	27,631	27,631	0	0.0%	29,261	29,338	77	0.3%	30,000	30,000	0	0.0%
33.3%	26,022	25,813	-209	-0.8%	27,546	27,546	0	0.0%	29,096	29,195	99	0.3%	30,000	29,962	-38	-0.1%
34.6%	25,989	25,757	-231	-0.9%	27,527	27,527	0	0.0%	29,065	29,096	32	0.1%	29,959	29,923	-36	-0.1%
35.8%	25,988	25,634	-354	-1.4%	27,501	27,501	0	0.0%	29,058	29,058	0	0.0%	29,899	29,832	-67	-0.2%
37.0%	25,778	25,620	-158	-0.6%	27,481	27,481	0	0.0%	29,055	29,042	-13	0.0%	29,755	29,715	-40	-0.1%
38.3%	25,634	25,583	-51	-0.2%	27,444	27,430	-15	-0.1%	29,042	28,876	-166	-0.6%	29,753	29,587	-166	-0.6%
39.5%	25,620	25,565	-55	-0.2%	27,430	27,374	-56	-0.2%	28,988	28,871	-117	-0.4%	29,720	29,587	-134	-0.4%
40.7%	25,583	25,499	-83	-0.3%	27,387	27,374	-13	0.0%	28,885	28,870	-14	0.0%	29,700	29,585	-115	-0.4%
42.0%	25,453	25,485	32	0.1%	27,374	27,325	-49	-0.2%	28,876	28,759	-117	-0.4%	29,596	29,583	-13	0.0%
43.2%	25,422	25,456	33	0.1%	27,374	27,086	-287	-1.1%	28,871	28,647	-224	-0.8%	29,563	29,552	-11	0.0%
44.4%	25,348	25,422	75	0.3%	27,317	27,028	-289	-1.1%	28,871	28,595	-276	-1.0%	29,518	29,533	15	0.0%
45.7%	25,343	25,348	5	0.0%	27,279	26,974	-306	-1.1%	28,795	28,561	-234	-0.8%	29,472	29,526	54	0.2%
46.9%	25,279	25,331	53	0.2%	27,166	26,923	-243	-0.9%	28,617	28,444	-174	-0.6%	29,454	29,464	10	0.0%
48.1%	25,270	25,279	9	0.0%	27,093	26,808	-284	-1.0%	28,561	28,430	-131	-0.5%	29,166	29,309	143	0.5%
49.4%	25,155	25,207	52	0.2%	27,086	26,756	-331	-1.2%	28,389	28,374	-15	-0.1%	28,826	29,266	440	1.5%
50.6%	25,100	25,155	55	0.2%	27,025	26,752	-273	-1.0%	28,374	28,329	-44	-0.2%	28,768	28,750	-18	-0.1%
51.9%	25,059	25,059	0	0.0%	26,953	26,744	-210	-0.8%	28,219	28,219	0	0.0%	28,741	28,730	-11	0.0%
53.1%	24,893	24,893	0	0.0%	26,761	26,680	-81	-0.3%	28,194	28,194	0	0.0%	28,737	28,685	-52	-0.2%
54.3%	24,851	24,851	0	0.0%	26,752	26,584	-167	-0.6%	28,080	28,035	-45	-0.2%	28,593	28,676	83	0.3%
55.6%	24,836	24,419	-417	-1.7%	26,679	26,542	-136	-0.5%	28,035	27,993	-42	-0.1%	28,584	28,421	-163	-0.6%
56.8%	24,783	24,326	-457	-1.8%	26,584	26,505	-80	-0.3%	27,997	27,949	-48	-0.2%	28,295	28,156	-139	-0.5%
58.0%	24,740	24,151	-589	-2.4%	26,483	26,443	-40	-0.2%	27,949	27,880	-69	-0.2%	28,205	28,148	-58	-0.2%
59.3%	24,711	24,130	-581	-2.4%	26,345	26,279	-66	-0.3%	27,904	27,812	-92	-0.3%	27,982	28,127	145	0.5%
60.5%	24,582	24,105	-477	-1.9%	26,267	26,155	-113	-0.4%	27,880	27,769	-111	-0.4%	27,972	28,127	155	0.6%
61.7%	24,566	24,095	-471	-1.9%	26,160	26,152	-8	0.0%	27,693	27,750	57	0.2%	27,648	28,094	446	1.6%
63.0%	24,415	24,076	-339	-1.4%	26,153	26,111	-42	-0.2%	27,634	27,598	-37	-0.1%	27,636	27,910	273	1.0%
64.2%	24,339	23,938	-402	-1.6%	26,103	25,733	-370	-1.4%	27,589	27,541	-48	-0.2%	27,379	27,618	238	0.9%
65.4%	24,151	23,937	-214	-0.9%	25,738	25,616	-122	-0.5%	27,426	27,524	98	0.4%	27,346	27,614	268	1.0%
66.7%	24,131	23,937	-194	-0.8%	25,626	25,444	-182	-0.7%	27,389	27,485	96	0.4%	27,025	27,506	481	1.8%
67.9%	24,130	23,937	-192	-0.8%	25,492	25,355	-136	-0.5%	27,324	27,440	116	0.4%	26,831	27,407	576	2.1%
69.1%	24,095	23,928	-167	-0.7%	25,475	25,283	-193	-0.8%	27,284	27,413	129	0.5%	26,708	27,096	388	1.5%
70.4%	24,047	23,870	-177	-0.7%	25,444	25,276	-168	-0.7%	27,151	27,409	258	1.0%	26,679	26,846	167	0.6%
71.6%	23,938	23,457	-481	-2.0%	25,283	24,915	-368	-1.5%	26,990	27,373	383	1.4%	26,595	26,716	121	0.5%
72.8%	23,937	23,311	-627	-2.6%	24,915	24,816	-99	-0.4%	26,957	27,165	208	0.8%	26,403	26,604	201	0.8%
74.1%	23,937	23,257	-680	-2.8%	24,816	24,813	-3	0.0%	26,855	27,055	200	0.7%	26,049	26,466	417	1.6%
75.3%	23,937	23,132	-805	-3.4%	24,813	24,813	0	0.0%	26,827	26,964	137	0.5%	25,933	26,461	528	2.0%
76.5%	23,752	22,988	-763	-3.2%	24,813	24,813	0	0.0%	26,754	26,884	130	0.5%	25,913	25,933	20	0.1%
77.8%	22,982	22,915	-67	-0.3%	24,813	24,813	-1	0.0%	26,610	26,834	224	0.8%	25,737	25,929	191	0.7%
79.0%	22,256	22,246	-10	0.0%	24,777	24,430	-348	-1.4%	26,595	26,683	89	0.3%	25,652	25,831	179	0.7%
80.2%	22,005	21,868	-137	-0.6%	24,509	24,239	-269	-1.1%	26,446	26,000	-445	-1.7%	25,567	25,750	184	0.7%
81.5%	21,840	21,714	-125	-0.6%	24,054	23,834	-220	-0.9%	25,860	25,728	-132	-0.5%	25,387	25,505	118	0.5%
82.7%	21,815	21,588	-227	-1.0%	23,193	23,665	471	2.0%	25,396	25,419	23	0.1%	24,762	24,873	111	0.4%
84.0%	21,272	21,474	201	0.9%	23,052	23,661	609	2.6%	24,227	24,511	285	1.2%	24,332	24,810	478	2.0%
85.2%	21,232	21,376	144	0.7%	22,689	23,653	964	4.2%	23,379	24,038	660	2.8%	23,256	24,179	922	4.0%
86.4%	19,969	21,332	1,363	6.8%	22,625	23,645	1,020	4.5%	23,268	23,560	292	1.3%	22,851	24,000	1,150	5.0%
87.7%	19,866	20,446	580	2.9%	22,509	23,293	784	3.5%	22,544	23,256	712	3.2%	22,655	22,937	282	1.2%
88.9%	18,551	20,159	1,608	8.7%	22,119	22,640	522	2.4%	21,709	23,134	1,424	6.6%	22,620	22,728	107	0.5%
90.1%	17,794	19,854	2,060	11.6%	21,730	21,664	-66	-0.3%	20,985	21,025	39	0.2%	22,458	22,666	208	0.9%
91.4%	17,560	17,743	183	1.0%	19,789	21,368	1,578	8.0%	20,446	20,985	540	2.6%	18,801	19,617	816	4.3%
92.6%	16,910	17,655	744	4.4%	18,797	20,087	1,290	6.9%	17,962	19,694	1,732	9.6%	17,737	19,588	1,851	10.4%
93.8%	14,547	15,723	1,176	8.1%	17,021	18,191	1,169	6.9%	17,874	19,225	1,351	7.6%	16,595	18,573	1,978	11.9%
95.1%	13,783	15,192	1,410	10.2%	16,417	17,772	1,355	8.3%	17,420	19,128	1,709	9.8%	16,054	18,168	2,114	13.2%
96.3%	12,620	13,132	512	4.1%	15,034	15,607	573	3.8%	17,007	18,731	1,724	10.1%	15,680	17,613	1,933	12.3%
97.5%	12,598	12,598	0	0.0%	14,218	15,034	817	5.7%	14,594	16,684	2,090	14.3%	15,482	17,560	2,078	13.4%
98.8%	10,583	12,056	1,473	13.9%	13,836	14,884	1,048	7.6%	14,564	16,237	1,672	11.5%	15,148	17,222	2,074	13.7%
100.0%	9,614	11,927	2,313	24.1%	13,771	14,701	931	6.8%	14,219	15,462	1,244	8.7%	13,413	14,678	1,265	9.4%

Table SW-09-3b

Shasta Lake, End of Month Area
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%	0.0%	28,275	28,275	0	0.0%	0.0%	26,331	26,331	0	0.0%	0.0%	24,728	24,728	0	0.0%
1.2%	29,776	29,776	0	0.0%	1.2%	28,275	28,275	0	0.0%	1.2%	26,331	26,331	0	0.0%	1.2%	24,728	24,728	0	0.0%
2.5%	29,776	29,718	-58	-0.2%	2.5%	28,275	28,275	0	0.0%	2.5%	26,331	26,331	0	0.0%	2.5%	24,728	24,728	0	0.0%
3.7%	29,776	29,626	-150	-0.5%	3.7%	28,275	28,152	-123	-0.4%	3.7%	26,331	26,331	0	0.0%	3.7%	24,728	24,728	0	0.0%
4.9%	29,776	29,533	-243	-0.8%	4.9%	28,275	28,123	-152	-0.5%	4.9%	26,331	26,331	0	0.0%	4.9%	24,719	24,728	9	0.0%
6.2%	29,776	29,525	-252	-0.8%	6.2%	28,275	28,051	-224	-0.8%	6.2%	26,331	26,331	0	0.0%	6.2%	24,680	24,728	48	0.2%
7.4%	29,776	29,523	-254	-0.9%	7.4%	28,113	27,974	-139	-0.5%	7.4%	26,331	26,331	0	0.0%	7.4%	24,644	24,728	84	0.3%
8.6%	29,776	29,507	-270	-0.9%	8.6%	28,060	27,922	-138	-0.5%	8.6%	26,331	26,331	0	0.0%	8.6%	24,620	24,728	108	0.4%
9.9%	29,626	29,464	-162	-0.5%	9.9%	27,970	27,878	-92	-0.3%	9.9%	26,331	26,331	0	0.0%	9.9%	24,610	24,728	118	0.5%
11.1%	29,626	29,409	-217	-0.7%	11.1%	27,798	27,858	60	0.2%	11.1%	26,331	26,331	0	0.0%	11.1%	24,601	24,728	126	0.5%
12.3%	29,619	29,397	-222	-0.7%	12.3%	27,785	27,783	-2	0.0%	12.3%	26,331	26,331	0	0.0%	12.3%	24,591	24,728	137	0.6%
13.6%	29,516	29,344	-172	-0.6%	13.6%	27,742	27,637	-105	-0.4%	13.6%	26,331	26,331	0	0.0%	13.6%	24,476	24,728	252	1.0%
14.8%	29,433	29,278	-155	-0.5%	14.8%	27,610	27,608	-2	0.0%	14.8%	26,331	26,331	0	0.0%	14.8%	24,473	24,708	235	1.0%
16.0%	29,129	29,186	57	0.2%	16.0%	27,525	27,504	-21	-0.1%	16.0%	26,234	26,292	58	0.2%	16.0%	24,455	24,607	152	0.6%
17.3%	29,125	29,127	1	0.0%	17.3%	27,515	27,399	-117	-0.4%	17.3%	26,073	26,220	148	0.6%	17.3%	24,372	24,452	80	0.3%
18.5%	29,096	29,050	-45	-0.2%	18.5%	27,389	27,359	-29	-0.1%	18.5%	26,071	26,114	43	0.2%	18.5%	23,882	24,344	462	1.9%
19.8%	29,084	29,013	-71	-0.2%	19.8%	27,351	27,355	4	0.0%	19.8%	25,897	25,940	43	0.2%	19.8%	23,855	24,239	384	1.6%
21.0%	29,057	29,009	-48	-0.2%	21.0%	27,336	27,205	-131	-0.5%	21.0%	25,752	25,892	140	0.5%	21.0%	23,829	24,174	344	1.4%
22.2%	29,041	28,912	-129	-0.4%	22.2%	27,274	27,149	-126	-0.5%	22.2%	25,649	25,697	49	0.2%	22.2%	23,656	24,067	411	1.7%
23.5%	28,994	28,910	-85	-0.3%	23.5%	27,056	26,786	-270	-1.0%	23.5%	25,469	25,408	-60	-0.2%	23.5%	23,650	24,005	355	1.5%
24.7%	28,864	28,910	46	0.2%	24.7%	26,466	26,755	288	1.1%	24.7%	24,833	25,290	457	1.8%	24.7%	23,592	23,995	403	1.7%
25.9%	28,801	28,900	99	0.3%	25.9%	26,421	26,722	302	1.1%	25.9%	24,739	25,233	494	2.0%	25.9%	23,500	23,764	264	1.1%
27.2%	28,678	28,817	138	0.5%	27.2%	26,326	26,662	336	1.3%	27.2%	24,622	25,083	461	1.9%	27.2%	23,445	23,753	308	1.3%
28.4%	28,651	28,796	145	0.5%	28.4%	26,318	26,661	343	1.3%	28.4%	24,553	25,049	496	2.0%	28.4%	23,373	23,740	367	1.6%
29.6%	28,601	28,765	165	0.6%	29.6%	26,272	26,640	368	1.4%	29.6%	24,373	25,020	647	2.7%	29.6%	23,362	23,725	363	1.6%
30.9%	28,586	28,765	179	0.6%	30.9%	26,210	26,626	416	1.6%	30.9%	24,371	24,867	495	2.0%	30.9%	23,226	23,720	494	2.1%
32.1%	28,486	28,698	212	0.7%	32.1%	25,986	26,451	466	1.8%	32.1%	24,359	24,849	489	2.0%	32.1%	23,036	23,667	631	2.7%
33.3%	28,458	28,678	220	0.8%	33.3%	25,918	26,415	497	1.9%	33.3%	24,180	24,774	594	2.5%	33.3%	23,005	23,659	654	2.8%
34.6%	28,435	28,528	93	0.3%	34.6%	25,901	26,279	378	1.5%	34.6%	24,117	24,359	242	1.0%	34.6%	22,935	23,655	720	3.1%
35.8%	28,408	28,502	94	0.3%	35.8%	25,716	26,122	406	1.6%	35.8%	23,929	24,343	414	1.7%	35.8%	22,740	23,501	761	3.3%
37.0%	28,339	28,424	85	0.3%	37.0%	25,625	25,992	367	1.4%	37.0%	23,748	24,329	581	2.4%	37.0%	22,710	23,474	764	3.4%
38.3%	27,968	28,297	329	1.2%	38.3%	25,154	25,953	800	3.2%	38.3%	23,711	24,288	577	2.4%	38.3%	22,479	23,348	869	3.9%
39.5%	27,787	28,135	348	1.3%	39.5%	25,058	25,900	842	3.4%	39.5%	23,687	24,169	482	2.0%	39.5%	22,464	23,339	875	3.9%
40.7%	27,775	28,086	312	1.1%	40.7%	24,798	25,712	915	3.7%	40.7%	23,187	24,146	959	4.1%	40.7%	22,432	23,250	818	3.6%
42.0%	27,747	28,077	331	1.2%	42.0%	24,771	25,650	879	3.5%	42.0%	23,162	24,042	880	3.8%	42.0%	22,396	23,242	845	3.8%
43.2%	27,685	28,055	371	1.3%	43.2%	24,770	25,638	868	3.5%	43.2%	23,070	23,807	738	3.2%	43.2%	22,348	23,207	859	3.8%
44.4%	27,587	28,026	440	1.6%	44.4%	24,727	25,550	823	3.3%	44.4%	22,986	23,796	810	3.5%	44.4%	22,275	23,181	907	4.1%
45.7%	27,577	27,984	408	1.5%	45.7%	24,669	25,277	608	2.5%	45.7%	22,946	23,461	515	2.2%	45.7%	22,210	22,792	582	2.6%
46.9%	27,516	27,879	363	1.3%	46.9%	24,662	24,994	332	1.3%	46.9%	22,909	23,358	449	2.0%	46.9%	22,167	22,790	623	2.8%
48.1%	27,141	27,787	646	2.4%	48.1%	24,619	24,993	374	1.5%	48.1%	22,798	23,243	445	2.0%	48.1%	22,033	22,770	736	3.3%
49.4%	27,121	27,596	474	1.7%	49.4%	24,597	24,982	385	1.6%	49.4%	22,691	23,149	458	2.0%	49.4%	22,011	22,704	694	3.2%
50.6%	27,074	27,430	356	1.3%	50.6%	24,520	24,716	196	0.8%	50.6%	22,681	23,137	457	2.0%	50.6%	21,759	22,480	721	3.3%
51.9%	26,995	27,308	313	1.2%	51.9%	24,487	24,669	181	0.7%	51.9%	22,331	23,111	780	3.5%	51.9%	21,724	22,358	634	2.9%
53.1%	26,939	27,192	253	0.9%	53.1%	24,439	24,553	113	0.5%	53.1%	22,306	23,043	736	3.3%	53.1%	21,680	22,243	563	2.6%
54.3%	26,910	27,167	257	1.0%	54.3%	24,374	24,536	162	0.7%	54.3%	22,276	22,567	291	1.3%	54.3%	21,646	22,223	577	2.7%
55.6%	26,702	27,053	351	1.3%	55.6%	24,074	24,151	78	0.3%	55.6%	22,220	22,554	334	1.5%	55.6%	21,633	22,139	506	2.3%
56.8%	26,663	27,011	349	1.3%	56.8%	23,963	24,137	174	0.7%	56.8%	22,060	22,531	471	2.1%	56.8%	21,503	21,953	450	2.1%
58.0%	26,554	27,003	449	1.7%	58.0%	23,696	24,109	413	1.7%	58.0%	22,041	22,503	462	2.1%	58.0%	21,501	21,810	309	1.4%
59.3%	26,505	26,692	187	0.7%	59.3%	23,691	24,029	338	1.4%	59.3%	21,864	22,277	413	1.9%	59.3%	21,034	21,780	746	3.5%
60.5%	26,390	26,608	218	0.8%	60.5%	23,659	23,786	126	0.5%	60.5%	21,832	22,267	435	2.0%	60.5%	20,795	21,611	816	3.9%
61.7%	26,233	26,602	369	1.4%	61.7%	23,518	23,766	248	1.1%	61.7%	21,797	21,966	169	0.8%	61.7%	20,762	21,559	797	3.8%
63.0%	26,128	26,550	423	1.6%	63.0%	23,389	23,659	270	1.2%	63.0%	21,485	21,779	294	1.4%	63.0%	20,699	21,344	645	3.1%
64.2%	26,109	26,511	402	1.5%	64.2%	23,323	23,657	334	1.4%	64.2%	21,250	21,749	498	2.3%	64.2%	20,615	21,007	392	1.9%
65.4%	25,851	26,144	293	1.1%	65.4%	23,196	23,546	350	1.5%	65.4%	20,994	21,717	723	3.4%	65.4%	20,535	20,970	436	2.1%
66.7%	25,607	25,971	364	1.4%	66.7%	22,792	23,331	538	2.4%	66.7%	20,977	21,639	661	3.2%	66.7%	20,291	20,916	626	3.1%
67.9%	25,463	25,811	348	1.4%	67.9%	22,506	23,071	564	2.5%	67.9%	20,844	21,338	494	2.4%	67.9%	20,211	20,659	448	2.2%
69.1%	24,883	25,503	620	2.5%	69.1%	22,470	22,530	60	0.3%	69.1%	20,680	21,282	601	2.9%	69.1%	20,160	20,658	499	2.5%
70.4%	24,793	25,494	701	2.8%	70.4%	21,948	22,332	384	1.7%	70.4%	20,641	21,011	370	1.8%	70.4%	20,122	20,589	467	2.3%
71.6%	24,791	25,088	296	1.2%	71.6%	21,914	22,191	277	1.3%	71.6%	20,634	20,955	321	1.6%	71.6%	19,862	20,567	704	3.5%
72.8%	24,731	25,018	287	1.2%	72.8%	21,766	22,022	256	1.2%	72.8%	20,545	20,729	184	0.9%	72.8%	19,328	20,270	942	4.9%
74.1%	24,186	24,956	770	3.2%	74.1%	21,404	21,919	515	2.4%	74.1%	20,377	20,697	321	1.6%	74.1%	18,960	20,194	1,233	6.5%
75.3%	23,806	24,790	984	4.1%	75.3%	21,360	21,842	482	2.3%	75.3%	19,815	20,486	671	3.4%	75.3%	18,943	19,906	964	5.1%
76.5%	23,664	24,338	674	2.8%	76.5%	21,166	21,744	578	2.7%	76.5%	19,554	20,214	660	3.4%	76.5%	18,844	19,515	671	3.6%
77.8%	23,659	23,956	297	1.3%	77.8%	21,052	21,655	603	2.9%	77.8%	19,533	19,810	277	1.4%	77.8%	18,391	19,508	1,117	6.1%
79.0%	23,659	23,905	245	1.0%	79.0%	20,850	21,362	512	2.5%	79.0%	18,637	19,721	1,084	5.8%	79.0%	18,369	18,983	615	3.3%
80.2%	23,418	23,856	438	1.9%	80.2%	20,452	21,165	713	3.5%	80.2%	17,995	19,597	1,602	8.9%	80.2%	18,340	18,856	517	2.8%
81.5%	23,403	23,754	351	1.5%	81.5%	20,416	21,109	693	3.4%	81.5%	17,866	19,304	1,439	8.1%	81.5%	17,589	18,670	1,081	6.1%
82.7%	22,023	23,149	1,126	5.1%	82.7%	19,317	20,200	883	4.6%	82.7%	17,577	18,286	709	4.0%	82.7%	17,514	18,049	535	3.1%
84.0%	21,981	23,090	1,109	5.0%	84.0%	19,234	20,132	898	4.7%	84.0%	17,280	17,797	517	3.0%	84.0%	17,337	17,784	448	2.6%
85.2%	21,426	22,905	1,479	6.9%	85.2%	19,106	19,805	699	3.7%	85.2%	17,120	17,797	676	3.9%	85.2%	16,601	17,312	711	4.3%
86.4%	21,408	21,586	178	0.8%	86.4%	18,531	19,764	1,233	6.7%	86.4%	16,626	17,631	1,004	6.0%	86.4%	16,475	16,852	377	2.3%
87.7%	21,373	21,509	136	0.6%	87.7%	18,512	18,856	344	1.9%	87.7%	15,891	16,394	503	3.2%	87.7%	14,808	15,918	1,110	7.5%
88.9%	20,934	21,485	550	2.6%	88.9%	18,133	18,317	184	1.0%	88.9%	15,479	16,134	655	4.2%	88.9%	14,763	15,893	1,130	7.7%
90.1%	19,966	21,201	1,236	6.2%	90.1%	17,001	18,294	1,293	7.6%	90.1%	15,389	15,689	300	2.0%	90.1%	14,722	15,414	692	4.7%
91.4%	16,257	17,958	1,700	10.5%	91.4%	14,105	15,758	1,653	11.7%	91.4%	12,318	13,110	792	6.4%	91.4%	11,601	12,511	910	7.8%
92.6%	16,108	17,034	926	5.7%	92.6%	13,578	14,496	918	6.8%	92.6%	11,791	13,018	1,227	10.4%	92.6%	10,412	12,487	2,075	19.9%
93.8%	14,438	16,365	1,927	13.3%	93.8%	12,848	13,966	1,117	8.7%	93.8%	11,166	12,181	1,015	9.1%	93.8%	10,363	10,792	429	4.1%
95.1%	14,241	16,260	2,018	14.2%	95.1%	11,766	13,837	2,071	17.6%	95.1%	8,692	11,826	3,134	36.1%	95.1%	7,751	8,947	1,196	15.4%
96.3%	13,904	15,820	1,917	13.8%	96.3%	10,972	13,726	2,754	25.1%	96.3%	7,763	10,159	2,396	30.9%	96.3%	7,171	8,549	1,378	19.2%
97.5%	13,184	15,003	1,819	13.8%	97.5%	9,818	11,826	2,008	20.4%	97.5%	7,069	8,076	1,007	14.2%	97.5%	7,002	8,278	1,276	18.2%
98.8%	12,568	14,452	1,884	15.0%	98.8%	7,828	11,321	3,493	44.6%	98.8%	7,002	7,956	954	13.6%	98.8%	7,002	8,194	1,193	17.0%
100.0%	9,666	11,400	1,734	17.9%	100.0%	7,478	8,151	673	9.0%	100.0%	7,002	7,172	170	2.4%	100.0%	7,002	7,002	0	0.0%