# Appendix 6C Upper Sacramento River Daily River Flow and Operations 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 6C Upper Sacramento River Daily River Flow and Operations Modeling

### 6C.1 Overview and Description

This document provides the summary of modeling performed to simulate daily flow and operations in the reservoirs, rivers and other conveyance features that are part of the Central Valley Project (CVP) and the Sites Reservoir Project (Project) for the Project Draft Environmental Impact Report/Environmental Impact Statement (Project DEIR/EIS). It includes a description of the Upper Sacramento River Daily Operations Model (USRDOM) and results used in the detailed evaluation of alternatives. USRDOM results are used or referenced in:

- Chapter 6 Surface Water Resources
- Chapter 7 Surface Water Quality
- Chapter 8 Fluvial Geomorphology and Riparian Habitat
- Chapter 12 Aquatic Biological Resources

#### 6C.1.1 Introduction

USRDOM simulates daily flow and storage conditions in the upper Sacramento River including Trinity basin, Sacramento River from Shasta Lake to Knights Landing and Colusa Basin including the Project conveyance and storage features. The analytical framework used to evaluate the alternatives is summarized in Chapter 5 Guide to the Resource Analyses and Appendix 6B Water Resources System Modeling. Assumptions used in modeling the alternatives are summarized in Appendix 6A Modeling of Alternatives. USRDOM utilizes results from CALSIM II to evaluate the impacts of changing diversion, in-basin use and Delta operations under projected conditions within current or future regulatory and operational regimes. It couples the downstream monthly operational decisions in CALSIM II to a simulation of the associated sub-monthly operational response at Lake Shasta depending on the inflows. It is particularly useful in verifying the CALSIM II simulated river conditions and the availability of excess flows to fill the Sites Reservoir under the capacity and operational constraints of the three intakes at the Red Bluff, Hamilton City and Delevan locations.

Development of the USRDOM, calibration and verification, its use in planning simulations and application to DEIR/EIS Alternatives evaluation is documented in detail in the final USRDOM Development, Calibration, and Application report prepared by CH2M HILL for Reclamation (CH2M HILL, 2011).

### 6C.1.2 Objective

USRDOM is used in several ways as part of modeling of the operations of DEIR/EIS Alternatives. It was used to test and finalize the CALSIM II operations for the Project alternatives. The main objective of using USRDOM in the DEIR/EIS was to simulate daily flows to inform CALSIM II (monthly) about the potential restrictions on the diversions due to pulse flow conditions. It was also used to evaluate storage conditions in Lake Shasta and Sites Reservoir, flow conditions on a daily-weekly time scale along the Sacramento River from Keswick Dam to Knights Landing and in the Colusa Basin conveyance. The

results from USRDOM are used for input into temperature, biological and flow regime models to evaluate Project alternatives.

### 6C.1.3 Project Intake Operations Assumptions

The detailed modeling assumptions used for the alternatives modeled for the DEIR/EIS are described in Appendix 6A Modeling of Alternatives. This section briefly describes the key operational assumptions used in the USRDOM model for evaluating the alternatives.

The operational assumptions governing the diversions at the three Project intakes, namely existing Tehama Colusa Canal (TCC) Intake, Glenn Colusa Canal (GCC) Intake and the Delevan Pipeline Intake include:

- Restrictions based on the available channel conveyance capacities at various locations along the TCC and GCC. Further, restrictions based on the dedicated annual maintenance periods for TCC, GCC, and Delevan pipeline.
- Restrictions based on meeting the specified bypass flow requirements downstream of each of the three intakes. In addition, diversions are restricted based on the seasonal bypass flow requirements specified for Sacramento River near Hood.
- Restrictions based on the occurrence of pulse flows in the Sacramento River, which provide key biological cues for the outmigrating juvenile winter-, spring-, fall, and late fall-run Chinook salmon, as well as a portion of the steelhead juvenile fish. Therefore, diversions are restricted for up to one pulse event recognized in each month of the October through May period. Bend Bridge flow was used to identify pulse signals as part of the modeling.

### 6C.1.4 Overview of the Planning Analysis

For DEIR/EIS, CALSIM II is the model of choice for the lead agencies to simulate reservoir operations and river flow conditions. CALSIM II simulates CVP and State Water Project (SWP) operations on a monthly timestep from WY 1922 through WY 2003. Therefore, for the USRDOM projected conditions simulation, the inputs are taken from CALSIM II for a consistent analysis. Appendix 6B Water Resources System Modeling includes detailed description of the CALSIM II model. Because USRDOM requires inputs on a daily timestep, the monthly inputs and outputs of the CALSIM II model are downscaled to a daily timestep using the CAL2DOM utility. CAL2DOM utility translates monthly CALSIM II operations data to a daily time step. It uses the inputs and outputs from CALSIM II, USRDOM hydrology inputs, and other datasets to compute inflows, diversions, and evaporation rates for using as inputs in the USRDOM.

### 6C.1.5 Analysis of Project Alternatives

CALSIM II was the core model used to simulate the Project operations. However, the assumptions related to the intake operations require daily flow data in determining the diversions allowed at the intakes, in turn affecting the system-wide operations. Since CALSIM II is a monthly timestep model, USRDOM results were used to enforce the intake operations on a sub-monthly scale. Due to the complexity in the intake operational rules, a spreadsheet tool was developed to implement the operational constraints using the daily results from the USRDOM. Further, the models were iterated to ensure all the intake operations assumptions were simulated accurately. Figure 6C-1 shows the schematic of the modeling process used to simulate Project operations.

In the first iteration, CALSIM II and USRDOM models are simulated for a Project alternative to determine the days requiring the pulse protection. A draft CALSIM II simulation was run with all the physical, regulatory and operational assumptions for the Project alternative. The results from this "draft" CALSIM II simulation were used to run the USRDOM model. The USRDOM setup included Project assumptions consistent with the draft CALSIM II. Since this USRDOM run is used to estimate daily flows in the river to determine the days requiring pulse protection, the diversions at the TCC, GCC, and Delevan intakes are restricted to meet the agricultural demands and other local uses in Colusa Basin region. The CAL2DOM logic was altered to estimate the diversions at the three intake locations without including the diversions for filling Sites Reservoir in this USRDOM run (called as, draft USRDOM No Fills Run). The results from the draft USRDOM No Fills run are used in a spreadsheet tool to determine the number of days under pulse protection in each month, over the 82-year period.

1. Draft CALSIM II and USRDOM Simulations for a NODOS Alternative to determine days requiring "pulse protection"



Figure 6C-1 Operations Modeling Process used for the Project Alternatives Evaluation

In the second iteration, the draft CALSIM II from the first iteration is re-run with the pulse protection data, to simulate the final monthly operations for the Project alternative. The goal of this iteration is to determine the daily diversion amounts at the TCC, GCC, and Delevan pipeline intakes. Since the

complexity involved in simulating capacity and maintenance constraints, bypass flow requirements and pulse protection restrictions simultaneously, the existing CAL2DOM logic to determine the daily diversions at the three intakes is insufficient. Therefore, the results from the final CALSIM II simulation are used to run another USRDOM simulation without including the diversions needed to fill the Sites Reservoir at the three intake locations (called as, final USRDOM No Fills Run). The purpose of this final USRDOM No Fills run is to determine the daily flows in the Sacramento River at key control points. This data is used in a spreadsheet tool to determine the daily diversions required to fill Sites Reservoir at the three intakes while complying with all the operational rules.

The daily diversions for the Sites fills at the three intakes are determined in three steps in the spreadsheet tool. In the first step the available diversion capacity is determined based on the capacity and maintenance constraints described above. In addition, based on the daily USRDOM flow the available flow to meet the monthly average diversion for fill (from CALSIM II) is determined at each intake, while meeting the bypass flow requirements. If there are no pulse flow restrictions for a given day, then the diversion at each intake is estimated as the minimum of available capacity and the available flow for diversion.

If the total diversion volumes at each intake from the first step for each month are less than the amount determined in CALSIM II, additional diversions needed to make up the difference are estimated in the second step. In this step, the additional diversions are made up at any of the three intakes depending on the available diversion capacity and the available flow for the diversion. First TCC intake is checked, then the GCC intake and finally the Delevan pipeline intake for any available diversion capacity for each month.

Based on the diversions from the second step, the months with volumes continue to be short of the CALSIM II values are flagged in the third and final step. These shortages are carried forward to the next months in which the diversion capacity and the flow for the diversion are available. This carrying forward of the shortages is only allowed in November through May months, which generally is the Sites Reservoir filling period. The availability of the flow for the diversion is estimated as the Wilkins Slough flow in excess of the minimum flow requirement at Knights Landing (estimated in CAL2DOM).

In this process, a few reasonable simplifying assumptions were made for modeling purposes, mainly because CALSIM II determines the diversions at the three intakes on a monthly timestep without knowing the daily constraints due to the intake operations assumptions and the daily variability in the unregulated flows. It is assumed that based on the available real-time monitoring, there is enough flexibility in TCC, GCC, and Delevan pipeline operations and in the interoperability among the three conveyance systems such that the diversions to fill Sites Reservoir can be made up through the following:

- Diversions at any of the three intake locations while meeting all the intake operations assumptions at each intake
- Diversions in any of the months during the fill season of November through May if usable diversion capacity and divertible flow is available

In the third iteration final USRDOM run is simulated using the final CALSIM II results and the daily diversions for fills from the final step of the spreadsheet tool. CAL2DOM is modified to combine the diversions for the fills and the diversions for meeting local Colusa Basin demands to determine the total daily diversions at each of the three intakes.

The flow and storage results from the final USRDOM simulation are used to run the USRWQM for Sacramento River temperatures and other models to study the temperature, biological and flow regime effects of the Project alternatives. USRDOM results for the daily weir spills at Ord Ferry, Moulton Weir, Colusa Weir and Tisdale Weir were used in the evaluation of the DEIR/EIS Alternatives. Daily flow results from USRDOM and daily temperature results from USRWQM were used to simulate the potential impact of the Sites releases on the Sacramento River temperatures at the Delevan Pipeline, as described in Appendix 7F Sites Reservoir Discharge Temperature Modeling. USRDOM results were also used to identify inflow sources in the Sacramento River on a sub-monthly time-step to study likely water quality impacts summarized in Appendix 7C Surface Water Quality Analysis for Electrical Conductivity at Proposed Intakes. More information regarding the analytical framework used to evaluate the alternatives is in Appendix 6B Water Resources System Modeling.

### 6C.1.6 Limitations

In using the USRDOM results for the Alternatives evaluation following limitations should be noted:

The USRDOM calibration for Clear Creek flows below Whiskeytown Dam is significantly weaker than for other flows in the Trinity and Sacramento River systems. It is recommended that the CALSIM II model alone be used as the basis for impact assessment on Clear Creek flows.

In the downscaling of CALSIM II boundary condition flows for use in the USRDOM simulations, diversions at Red Bluff, Hamilton City and the Delevan Pipeline (Project alternatives) are smoothed from monthly to daily timestep. In this smoothing operation, in order to conserve volume and have a gradual change in diversion flows (as opposed to sharp changes at monthly or other time scale boundaries), there are some days in which diversions are represented in the model at flow rates that may exceed the sustainable rate of the physical capacity of these facilities. It is recommended that any assessment of flows or other parameters linked to the peak flow rate of these diversions use monthly average values rather than daily or other sub-monthly average values.

The CALSIM II model is used to establish system operational conditions and USRDOM is used to interpret these on a daily time-step; all residuals and inconsistencies between the CALSIM II and USRDOM models accumulate in storage facilities modeled, including Sites Reservoir; the Sites Reservoir storage in the USRDOM sometimes exceeds physical capacity slightly due to this inconsistency between the models.

### 6C.1.7 List of References

CH2M HILL. 2011. Final USRDOM Development, Calibration, and Application. Prepared for Bureau of Reclamation, Mid-Pacific Region.

### 6C.2 Results

This section includes the results from the Upper Sacramento River Daily Operations Model (USRDOM) used in the detailed evaluation of the alternatives for the DEIR/EIS.

### 6C.2.1 Introduction

The USRDOM results included in this appendix are used in:

- Chapter 6 Surface Water Resources
- Chapter 7 Surface Water Quality
- Chapter 12 Aquatic Biological Resources

For each parameter and location shown in Table 6C-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.

### 6C.2.2 Locations and Parameters

The locations and the parameters for the results included in this appendix are tabulated below in Table 6C-1. Maps showing these locations are included in Appendix 6B Water Resources System Modeling.

Other analyses were used to evaluate flow conditions. The State Water Project (SWP) and Central Valley Project (CVP) water operations modeling using the CALSIM II model, referred to in Chapter 6 Surface Water Resources, for evaluating reservoir storage, flow and diversions for locations in the Sacramento River Basin and Sacramento-San Joaquin Delta is included in Appendix 6B Water Resources System Modeling.

	Report Title	Time-Step	Parameter
1	Ord Ferry Spills into Sutter Bypass	Monthly average of Daily flows	Diversion*
2	Moulton Weir Spills into Sutter Bypass	Monthly average of Daily flows	Diversion*
3	Colusa Weir Spills into Sutter Bypass	Monthly average of Daily flows	Diversion*
4	Tisdale Weir Spills into Sutter Bypass	Monthly average of Daily flows	Diversion*

 Table 6C-1

 Upper Sacramento River Daily Operations Model Results Locations and Parameters

\*Diversion of flow from the Sacramento River through the weir into the Sutter Bypass; this is a result of high flows in the Sacramento River such that the river stage is greater than the crest of the weir.

### 6C.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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# Sacramento River Daily Flow Modeling Results

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Alternative A Compared to No Action Alternative

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		Long	-term Ave	age and A	verage b	water re	ar i ype					
					м	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period <sup>1</sup>												
No Action Alternative	0	0	63	257	431	189	14	0	0	0	0	0
Alternative A	0	0	64	233	418	181	13	0	0	0	0	0
Difference	0	0	2	-24	-12	-8	-1	0	0	0	0	0
Percent Difference <sup>3</sup>			2.4%	-9.5%	-2.9%	-4.2%	-4.7%					
				Water Y	ear Types							
Wet (32%)												
No Action Alternative	0	0	29	779	1213	554	34	0	0	0	0	0
Alternative A	0	0	36	722	1196	539	34	0	0	0	0	0
Difference	0	0	7	-57	-17	-15	0	0	0	0	0	0
Percent Difference			22.7%	-7.3%	-1.4%	-2.7%	-0.1%					
Above Normal (15%)												
No Action Alternative	0	0	1	68	316	88	19	0	0	0	0	0
Alternative A	0	0	13	24	268	67	14	0	0	0	0	0
Difference	0	0	13	-44	-48	-21	-4	0	0	0	0	0
Percent Difference				-64.4%	-15.1%	-23.8%	-22.9%					
Below Normal (17%)												
No Action Alternative	0	0	123	0	0	0	0	0	0	0	0	0
Alternative A	0	0	103	0	0	0	0	0	0	0	0	0
Difference	0	0	-21	0	0	0	0	0	0	0	0	0
Percent Difference			-16.9%									
Dry (22%)												
No Action Alternative	0	0	147	0	0	0	0	0	0	0	0	0
Alternative A	0	0	152	0	0	0	0	0	0	0	0	0
Difference	0	0	5	0	0	0	0	0	0	0	0	0
Percent Difference	-	-	3.6%	-	-	-	-	-	-	-	-	0
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	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0	0	Ū	5	5	2	5	2	5	5	0	0

3 Relative difference of the monthly average



#### Figure SW-49-3b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance



#### Table SW-49-3b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		October					November					December			
Percent	No Action Alternative	Alternative A	Absolute	Polotivo	Percent	No Action Alternative	Alternative A	Absolute	Palativa	Percent	No Action Alternative	Alternative A	Absolute	Palativa	Percent
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	<ul> <li>Difference</li> </ul>	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability
(%)	(CFS)	(CFS)	(CFS)	Billerende (A)	(%)	(CFS)	(CFS)	(CFS)	Binerenoe (70)	(%)	(CFS)	(CFS)	(CFS)	Difference (70)	(%)
0.0%	0	0	0		0.0%	0	0	0		0.0%	1659	1453	-207	-12.4%	0.0%
1.2%	0	0	0		1.2%	0	0	0		1.2%	1365	1265	-99	-7.3%	1.2%
2.5%	0	0	0		2.5%	0	0	0		2.5%	907	1004	97	10.7%	2.5%
3.1%	0	0	0		3.1%	0	0	0		3.1%	277	723	106	24.0%	3.1%
6.2%	0	0	0		6.2%	0	0	0		6.2%	150	218	-51	45.3%	6.2%
7.4%	0	0	õ		7.4%	0	0	õ		7.4%	70	171	101	144.7%	7.4%
8.6%	0	0	0		8.6%	0	0	0		8.6%	6	157	151		8.6%
9.9%	0	0	0		9.9%	0	0	0		9.9%	0	0	0		9.9%
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	0	0		11.1%
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		12.3%
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		13.0%
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%
17.3%	0	0	0		17.3%	ō	0	Ō		17.3%	õ	ō	0		17.3%
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%
23.3%	0	0	0		23.3%	0	0	0		23.3%	0	0	0		23.3%
25.9%	ő	0	Ő		25.9%	ő	0	0		25.9%	ő	ő	Ő		25.9%
27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%
28.4%	0	0	0		28.4%	0	0	0		28.4%	0	0	0		28.4%
29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%
30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%
33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%
34.6%	ő	0	ő		34.6%	ő	0	0		34.6%	0	ő	ŏ		34.6%
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%
38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	ő		43.2%
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%
45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%
46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%
48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%
56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%
59.3%	0	0	0		59.3%	0	0	0		59.0%	0	0	0		59.3%
60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%
61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		61.7%
63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%
64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		64.2%
65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%
67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%
69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%
71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%
75.3%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%
76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%
77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%
81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%
85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%
87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		87.7%
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%
90.1%	0	0	0		90.1%	0	0	0		90.1%	0	0	0		90.1%
91.4%	0	0	0		91.4%	0	0	0		91.4%	0	0	0		91.4%
93.8%	0	0	0		93.8%	0	0	0		93.8%	0	0	0		93.8%
95.1%	0	õ	Ő		95.1%	ŏ	õ	ŏ		95.1%	õ	ŏ	0		95.1%
96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96.3%
97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		98.8%

Percent	No Action Alternative	Alternative A	Absolute	Polativa
Exceedance	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
0.0%	5633	5251	-382	-6.8%
1.2%	4056	10/0	-302	-0.0%
2.5%	4330	3301	-1035	-23.4%
3.7%	1331	1505	264	10.8%
1 9%	1271	1221	-50	-3.0%
6.2%	1147	1081	-50	-5.7%
7.4%	807	707	-99	-12.3%
8.6%	/02	300	-93	-18.0%
0.0%	408	205	-203	-10.3%
11 19/	255	02	-203	62.6%
12.3%	135	71	-103	-47.3%
12.0%	100	50	-04	61 70/
14.00/	20	30	-01	-01.7 %
14.0 %	23	30	10	23.3 /0
17.20/	20	15	-10	100.0%
10 50/	21	0	-21	= 100.0 %
10.5%	0	0	0	
19.6%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	U	U	U	
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%	U	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%	Ō	Ō	õ	
98.8%	0	0	0	
100.0%	0.0	0.0	0.0	

#### Table SW-49-3b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		February					March					April					мау		
Percent	No Action Alternative	Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletius	Percent	No Action Alternative	Alternative A	Absolute	Deletius	Percent	No Action Alternative	Alternative A	Absolute	Deletius
Exceedance			Difference	Relative	Exceedance			Difference	Relative	Exceedance		N	Difference	Relative	Exceedance			<ul> <li>Difference</li> </ul>	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	(CFS)	(CFS)	(		(%)	(CFS)	(CFS)	1,		(%)	(CFS)	(CFS)	(1.1.7)		(%)	(CFS)	(CFS)	1	
0.0%	12366	12366	0	0.0%	0.0%	7360	7359	0	0.0%	0.0%	608	608	0	0.0%	0.0%	0	0	0	
1.2%	6536	6641	105	1.6%	1.2%	3196	2800	-395	-12.4%	1.2%	285	284	-1	-0.3%	1.2%	0	0	0	
2.5%	5493	5487	-7	-0.1%	2.5%	1350	1349	0	0.0%	2.5%	225	173	-51	-22.9%	2.5%	0	0	0	
3.7%	2709	2714	6	0.2%	3.7%	994	994	0	0.0%	3.7%	0	0	0		3.7%	0	0	0	
4.9%	2095	1922	-173	-8.3%	4.9%	987	944	-43	-4.3%	4.9%	0	0	0		4.9%	0	0	0	
6.2%	1642	1269	-373	-22.7%	6.2%	737	586	-152	-20.6%	6.2%	0	0	0		6.2%	0	0	0	
7.4%	1220	1261	42	3.4%	7.4%	383	426	43	11.1%	7.4%	0	0	0		7.4%	0	0	0	
8.6%	957	895	-62	-6.5%	8.6%	322	222	-100	-31.1%	8.6%	0	0	0		8.6%	0	0	0	
9.9%	888	682	-206	-23.2%	9.9%	91	92	1	0.6%	9.9%	0	0	0		9.9%	0	0	0	
11.1%	763	561	-202	-26.5%	11.1%	49	49	0	-0.1%	11.1%	0	0	0		11.1%	0	0	0	
12.3%	391	293	-99	-25.2%	12.3%	0	0	0		12.3%	0	0	õ		12.3%	0	0	0	
13.6%	120	77	-43	-36.0%	13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	63	75	12	18.8%	14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
40.00/	50	07	40	05.0%	40.00/	0	0	0		40.00/		0	0		40.00/	0	0	0	
10.0%	50	37	*13	=20.0%	10.0%	0	0	0		10.0%	0	0	0		10.0%	0	0	0	
17.3%	41	32	-10	-23.3%	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%	ō	0	0		34.6%	0	0	õ	
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	ő	0		37.0%	0	0	0		37.0%	0	0	0	
20.20/	0	0	0		20.20/	0	0	0		20.20/	0	0	0		20.20/	0	0	0	
30.3%	0	0	0		30.3%	0	0	0		30.3%	0	0	0		30.3%	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	ő		53.1%	0	0	0		53.1%	0	0	0	
54.3%	ů	0	0		54.3%	0	Ő	ő		54.3%	Ő	Ő	0		54.3%	0	Ő	0	
54.570 EE C0/	0	0	0		54.576 EE 69/	0	0	0		54.570 EE 69/	0	0	0		54.576 EE 69/	0	0	0	
55.0%	0	0	0		55.0%	0	0	0		55.0%	0	0	0		55.0%	0	0	0	
50.0%	0	0	0		50.0%	0	0	0		50.0%	0	0	0		50.0%	0	0	0	
56.0%	0	0	0		56.0%	0	0	0		56.0%	0	0	0		56.0%	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%	ů	0	0		79.0%	0	Ő	ő		79.0%	Ő	Ő	0		79.0%	0	Ő	0	
80.2%	0	0	ő		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	ů.	ő	
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		01.3%	0	0	0		07.0/0	0	0	0		90.70/	0	0	0	
84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0	
04.0%	0	0	0		04.U%	0	0	0		04.0%	0	0	0		04.0%	0	0	0	
05.2%	0	0	0		05.2%	0	0	0		05.2%	0	0	0		00.2%	0	0	0	
86.4%	U	U	0		86.4%	0	U	0		86.4%	0	0	0		86.4%	U	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	Ő		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	ő	0		98.8%	0	ő	0	
100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	
100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

#### Table SW-49-3b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent Exceedance Probability

Probability (%) 0.0% 1.2% 2.5% 3.7% 4.9% 6.2% 7.4%

6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 13.6% 14.8% 16.0% 17.3% 18.5% 19.8% 21.0%

22.2% 23.5% 24.7% 25.9% 29.6% 30.9% 32.1% 33.3% 34.6% 35.8% 35.8% 35.8% 35.8% 35.5% 40.7% 43.2% 44.4%

 $\begin{array}{c} 46,9\%\\ 48,1\%\\ 49,4\%\\ 50,6\%\\ 51,0\%\\ 51,0\%\\ 53,1\%\\ 54,3\%\\ 55,6\%\\ 55,6\%\\ 55,6\%\\ 55,0\%\\ 61,7\%\\ 64,2\%\\ 64,2\%\\ 66,7\%\\ 64,2\%\\ 66,7\%\\ 63,0\%\\ 64,1\%\\ 71,6\%\\ 72,2\%\\ 74,1\%\\ 75,3\%\\ 76,5\%\\ 71,4\%\\ 72,8\%\\ 79,0\%\\ 80,2\%\\ 81,5\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,0\%\\ 85,2\%\\ 84,4\%\\ 85,2\%\\ 84,4\%\\ 87,7\%\\ 84,4\%\\ 85,2\%\\ 84,4\%\\ 85,2\%\\ 84,4\%\\ 85,2\%\\ 84,4\%\\ 81,1\%\\ 81$ 

88.9% 90.1%

91.4% 92.6% 93.8% 95.1%

96.3% 97.5% 98.8%

100.0%

No Action Alternative

Monthly Diversion (CFS)

0

0 0 0

0 0 0

0.0

Dercent		ouno			Dercent		outy		
Freedance	No Action Alternative	Alternative A	Iternative A Absolute Relative		Exceedance	No Action Alternative	Alternative A	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Prohability	Monthly Diversion	Monthly Diversion	Difference	Difference
(%)	(CES)	(CES)	(CFS)	Billerende (74)	(%)	(CES)	(CES)	(CFS)	Difference
0.0%	(010)	(010)	0		0.0%	(010)	(010)	0	
1 2%	0	0	0		1.2%	0	0	0	
1.2 %	0	0	0		1.2 /0	0	0	0	
2.5%	0	0	0		2.5%	0	0	0	
3.1%	0	0	0		3.1%	0	0	0	
4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	0	
7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0	
9.9%	0	0	0		9.9%	0	0	0	
11.1%	0	0	0		11.1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0	
13.6%	0	0	0		13.6%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.0%	0	0	0	
17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	Ő		23.5%	0	0	0	
24 7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		23.370	0	0	0	
28 /0/	0	0	0		21.270	0	0	0	
20.4%	0	0	0		20.4%	0	0	0	
29.0%	0	0	0		29.0%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0	
32.1%	U	U	U		32.1%	U	U	U	
33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0	
38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	0		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		42.0%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0	
44.4%	0	0	0		44.4%	0	0	0	
45.7%	0	0	Ő		45.7%	0	0	0	
46.9%	0	0	0		46.9%	0	0	0	
48.1%	0	0	0		48.1%	0	0	ő	
40.1%	0	0	0		40.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0	
50.0%	0	0	0		50.0%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0	
72.8%	õ	ō	õ		72.8%	õ	0	Ō	
74.1%	0	0	0		74.1%	0	0	0	
75.3%	ő	ő	ő		75.3%	Ő	Ő	ő	
76.5%	0	ő	0		76.5%	0	0	ő	
77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		00.00/	0	0	0	
81 59/	0	0	0		00.2%	0	0	0	
01.070	0	0	0		01.0%	0	0	0	
02.7%	0	0	0		82.7%	0	0	0	
04.0%	U	U	U		84.0%	U	U	0	
85.2%	0	0	0		85.2%	0	0	0	
86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0	
95.1%	õ	ō	õ		95.1%	õ	0	Ō	
96.3%	0	0	0		96.3%	0	0	0	
97.5%	ő	ő	ő		97.5%	Ő	Ő	ő	
98.8%	0	ő	0		98.8%	0	0	ő	
100.0%	00	0.0	0.0		100.0%	00	0.0	0.0	
100.070	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

August	August				September		
Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletius
Monthly Diversion (CFS)	Difference (CFS)	Difference (%)	Probability (%)	Monthly Diversion (CFS)	Monthly Diversion (CFS)	Difference (CFS)	Difference (%)
0	0		0.0%	0	0	0	
0	0		1.2%	0	0	0	
0	0		2.5%	0	0	0	
0	0		3.7%	0	0	0	
0	0		4.9%	0	0	0	
0	0		7.4%	0	0	0	
ő	0		8.6%	0	ő	0	
0	0		9.9%	0	0	0	
0	0		11.1%	0	0	0	
0	0		12.3%	0	0	0	
0	0		13.6%	0	0	0	
0	0		14.6%	0	0	0	
0	0		17.3%	0	0	0	
0	0		18.5%	0	0	0	
0	0		19.8%	0	0	0	
0	0		21.0%	0	0	0	
0	0		22.2%	0	0	0	
0	0		23.5%	0	0	0	
0	0		24.7%	0	0	0	
0	0		27.2%	0	0	0	
õ	Ő		28.4%	Ő	õ	Ő	
0	0		29.6%	0	0	0	
0	0		30.9%	0	0	0	
0	0		32.1%	0	0	0	
0	0		33.3%	0	0	0	
0	0		35.8%	0	0	0	
0	0		37.0%	0	0	0	
0	0		38.3%	0	0	0	
0	0		39.5%	0	0	0	
0	0		40.7%	0	0	0	
0	0		42.0%	0	0	0	
0	0		43.2%	0	0	0	
0	0		44.4%	0	0	0	
0	0		46.9%	0	0	0	
Ō	0		48.1%	0	Ō	0	
0	0		49.4%	0	0	0	
0	0		50.6%	0	0	0	
0	0		51.9%	0	0	0	
0	0		53.1%	0	0	0	
0	0		55.6%	0	0	0	
0	0		56.8%	0	0	0	
0	0		58.0%	0	0	0	
0	0		59.3%	0	0	0	
0	0		60.5%	0	0	0	
0	0		61.7%	0	0	0	
0	0		63.0%	0	0	0	
0	0		65.4%	0	0	0	
õ	0		66.7%	0	õ	0	
0	0		67.9%	Ō	ō	0	
0	0		69.1%	0	0	0	
0	0		70.4%	0	0	0	
0	0		71.6%	0	0	0	
0	0		72.8%	0	0	0	
0	0		75.3%	0	0	0	
õ	0		76.5%	0	ő	0	
0	0		77.8%	0	0	0	
0	0		79.0%	0	0	0	
0	0		80.2%	0	0	0	
0	0		81.5%	0	0	0	
0	0		82.7%	0	0	0	
0	0		85.2%	0	0	0	
0	0		86.4%	0	õ	0	
0	0		87.7%	Ō	ō	0	
0	0		88.9%	0	0	0	
0	0		90.1%	0	0	0	
0	0		91.4%	0	0	0	
0	0		92.6%	0	0	0	
0	0		95.0%	0	0	0	
õ	õ		96.3%	0	õ	õ	
0	0		97.5%	0	0	0	
0	0		98.8%	0	0	0	
0.0	0.0		100.0%	0.0	0.0	0.0	

		Long	-term Avei	rage and A	Average by	water te	ear Type					
					М	onthly Div	version (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period <sup>1</sup>												
No Action Alternative	0	0	59	283	467	240	32	0	0	0	0	0
Alternative A	0	0	65	269	457	224	31	0	0	0	0	0
Difference	0	0	6	-14	-10	-16	-1	0	0	0	0	0
Percent Difference <sup>3</sup>			10.7%	-5.1%	-2.2%	-6.7%	-3.1%					
				Water Y	ear Types	2						
Net (32%)												
No Action Alternative	0	0	42	829	1367	690	83	0	0	0	0	0
Alternative A	0	0	49	806	1353	657	83	0	0	0	0	0
Difference	0	0	8	-23	-14	-33	0	0	0	0	0	0
Percent Difference			18.3%	-2.8%	-1.0%	-4.8%	0.0%					
Above Normal (15%)												
No Action Alternative	0	0	7	139	229	147	38	0	0	0	0	0
Alternative A	0	1	20	89	188	109	31	0	0	0	0	0
Difference	0	1	13	-50	-40	-38	-7	0	0	0	0	0
Percent Difference				-36.0%	-17.7%	-25.8%	-17.6%					
Below Normal (17%)												
No Action Alternative	0	0	94	1	0	0	0	0	0	0	0	0
Alternative A	0	0	94	3	0	0	0	0	0	0	0	0
Difference	0	0	-1	1	0	0	0	0	0	0	0	0
Percent Difference			-0.7%	106.9%								
Dry (22%)												
No Action Alternative	0	0	130	0	0	0	0	0	0	0	0	0
Alternative A	0	0	139	0	0	0	0	0	0	0	0	0
Difference	0	0	9	0	0	0	0	0	0	0	0	0
Percent Difference	0	0	7.2%	5	5	5	5	5	5	5	0	0
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	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	Ŭ	0	0	5	5	2	2	2	5	5	0	0
1 Based on the 82-year simulation period												





#### Figure SW-50-3b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

## Table SW-50-3b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Relative Difference (%)

-3.1% -7.5% -5.2% -9.2% -14.6% 22.4% 12.9% 0.9% 13.1% -28.9% -11.2% -15.2% -9.8% -12.2% -69.2% -37.6% -11.9% -3.1% 42.5% 52.4%

-		October			-		November					December					January	
Percent	No Action Alternative	Alternative A	Absolute	Deletius	Percent	No Action Alternative	Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletius	Percent	No Action Alternative	Alternative A	Absolute
Exceedance			Difference	Relative	Exceedance			<ul> <li>Difference</li> </ul>	Relative	Exceedance			<ul> <li>Difference</li> </ul>	Relative	Exceedance			<ul> <li>Difference</li> </ul>
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)
(%)	(CFS)	(CFS)	()		(%)	(CFS)	(CFS)	()		(%)	(CFS)	(CFS)	()		(%)	(CFS)	(CFS)	()
0.0%	0	0	0		0.0%	0	8	8		0.0%	1010	1101	91	9.0%	0.0%	5535	5365	-170
1.2%	0	0	0		1.2%	0	0	0		1.2%	1009	1094	85	8.4%	1.2%	3947	3651	-296
2.5%	0	0	0		2.5%	0	0	0		2.5%	969	969	0	0.0%	2.5%	3653	3464	-188
3.7%	0	0	0		3.7%	0	0	0		3.7%	839	788	-51	-6.1%	3.7%	2312	2100	-212
4.9%	0	0	0		4.9%	0	0	0		4.9%	494	523	29	6.0%	4.9%	1658	1415	-242
6.2%	0	0	0		6.2%	0	0	0		6.2%	351	437	86	24.5%	6.2%	1025	1255	230
7.40/	0	0	0		7.40/	0	0	0		7.40/	331	40/	455	24.570	7.40/	1023	1200	200
7.4%	0	0	0		7.4%	0	0	0		7.4%	74	229	155	208.8%	7.4%	1003	1133	130
8.6%	0	0	0		8.6%	0	0	0		8.6%	53	145	92	175.3%	8.6%	890	898	8
9.9%	0	0	0		9.9%	0	0	0		9.9%	28	36	8	28.3%	9.9%	594	671	78
11.1%	0	0	0		11.1%	0	0	0		11.1%	0	10	10		11.1%	571	406	-165
12.3%	0	0	0		12.3%	0	0	0		12.3%	0	10	10		12.3%	446	396	-50
13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		13.6%	444	376	-67
14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	414	374	-41
16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	309	271	-38
17.2%	0	0	0		17.29/	0	0	0		17.29/	0	0	0		17.29/	212	66	-30
17.3%	0	0	0		17.3%	0	0	0		17.370	0	0	0		17.370	213	00	*147
18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		18.5%	11	48	-29
19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	53	47	-6
21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	47	45	-1
22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	26	38	11
23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		23.5%	18	28	10
24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	10	21	11
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	Ő		28.4%	0	0	Ő		28.4%	0	0	Ő
20.4%	0	0	0		20.470	0	0	0		20.473	0	0	0		20.470	0	0	0
29.0%	0	0	0		23.0%	0	0	0		23.0%	0	0	0		23.0%	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	õ	0		39.5%	õ	õ	0		39.5%	õ	õ	0		39.5%	õ	ō	õ
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0
40.7 %	0	0	0		40.7 /0	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 0%	0	0	0		51.0%	0	0	0		51.0%	0	0	0		51 0%	0	0	0
E2 10/	0	0	0		E2 10/	0	0	0		E2 10/	0	0	0		E2 19/	0	0	0
53.1%	0	0	0		53.176	0	0	0		53.170	0	0	0		53.176	0	0	0
55.000	0	0	0		55.00/	0	0	0		55.00/	0	0	0		55.00/	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	Ő		65.4%	0	0	Ő
66.7%	0	0	0		66.7%	0	0	0		66 7%	0	0	0		66.7%	0	0	0
67.0%	0	0	0		67.09/	0	0	0		67.0%	0	0	0		67.0%	0	0	0
60.19/	0	0	0		60.10/	0	0	0		60.10/	0	0	0		60.10/	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
70.0%	ő	0	0		70.0%	0	0	0		79.0%	0	0	0		70.0%	0	0	Ő
90.29/	0	0	0		90.0%	0	0	0		90.29/	0	0	0		90.29/	0	0	0
00.2%	0	0	0		00.2%	0	0	0		00.2%	0	0	0		00.2%	0	0	0
01.5%	U	U	U		01.5%	U	U	0		01.5%	U	U	0		01.5%	U	U	U
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	Ő	ő		90.1%	0	0	0		90.1%	0	Ő	ő		90.1%	Ő	0	ő
01.1%	0	0	0		01.1%	0	0	0		01.1%	0	0	0		01.1%	0	0	0
02.6%	0	0	0		91.4%	0	0	0		91.470	0	0	0		91.4%	0	0	0
92.0%	0	0	0		92.0%	0	0	0		92.0%	0	0	0		92.0%	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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0

#### Table SW-50-3b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent		rebluary			Percent		march			Percent		Арн			Percent		may		
Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	- Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
(%)	(CFS)	(CFS)	(6F5)		(%)	(CFS)	(CFS)	(0F3)		(%)	(CFS)	(CFS)	(0F5)		(%)	(CFS)	(CFS)	(CFS)	
0.0%	9355	9340	-15	-0.2%	0.0%	6639	6639	0	0.0%	0.0%	1015	1016	0	0.0%	0.0%	0	0	0	
1.2%	9304	9287	-18	-0.2%	1.2%	5565	4846	-718	-12.9%	1.2%	737	737	0	0.0%	1.2%	0	0	0	
2.5%	5144	5106	-38	-0.7%	2.5%	1750	1675	-74	-4.2%	2.5%	459	378	-81	-17.6%	2.5%	0	0	0	
3.7%	3323	3344	21	0.6%	3.7%	1332	1334	2	0.1%	3.7%	227	227	0	-0.2%	3.7%	0	0	0	
4.9%	1751	1733	-19	-1.1%	4.9%	1238	1163	-75	-6.1%	4.9%	96	96	0	-0.2%	4.9%	0	0	0	
6.2%	1559	1438	-122	-7.8%	6.2%	899	738	-161	-17.9%	6.2%	40	40	0	0.0%	6.2%	0	0	0	
7.4%	1482	1358	-124	-8.4%	7.4%	664	496	-167	-25.2%	7.4%	36	36	0	0.3%	7.4%	0	0	0	
8.6%	1317	1318	1	0.1%	8.6%	469	469	0	0.0%	8.6%	0	0	0		8.6%	0	0	0	
9.9%	976	920	-56	-5.7%	9.9%	443	444	1	0.1%	9.9%	0	0	0		9.9%	0	0	0	
11.1%	806	700	-106	-13.1%	11.1%	412	411	-1	-0.3%	11.1%	0	0	0		11.1%	0	0	0	
12.3%	682	541	-141	-20.6%	12.3%	124	85	-39	-31.2%	12.3%	0	0	0		12.3%	0	0	0	
13.6%	574	531	-44	-7.6%	13.6%	87	32	-55	-63.1%	13.6%	0	0	0		13.6%	0	0	0	
14.8%	510	516	6	1.1%	14.8%	47	29	-18	-38.3%	14.8%	0	0	0		14.8%	0	0	0	
16.0%	466	384	-82	-17.5%	16.0%	34	17	-17	-50.1%	16.0%	0	0	0		16.0%	0	0	0	
17.3%	290	288	-2	-0.7%	17.3%	1	10	10		17.3%	0	0	0		17.3%	0	0	0	
18.5%	239	238	-1	-0.4%	18.5%	1	1	0		18.5%	0	0	0		18.5%	0	0	0	
19.8%	236	195	-42	-17.6%	19.8%	0	1	1		19.8%	0	0	0		19.8%	0	0	0	
21.0%	118	96	-22	-18.8%	21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	101	46	-55	-54.3%	22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	30	2/	-11	-29.7%	23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	14	24	9		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	5	5		25.9%	0	0	0		25.9%	0	0	0		25.9%	0	0	0	
21.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0	
20.4%	0	0	0		28.4%	0	0	0		20.4%	0	0	0		26.4%	0	0	0	
29.0%	0	0	0		29.0%	0	0	0		29.0%	0	0	0		29.0%	0	0	0	
30.5%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0	
32.170	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.170	0	0	0	
33.3%	0	0	0		33.3%	0	0	0		34.6%	0	0	0		33.3%	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	ő	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%	Ō	Ő	õ		45.7%	Ő	0	0		45.7%	0	Ő	õ	
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%	U	0	0		67.9%	0	0	0		67.9%	0	0	0	
09.1%	0	0	0		69.1%	0	U	0		69.1%	U	0	0		69.1% 70.4%	0	U	0	
71 60/	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.470	0	0	0	
72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0	
74.19/	0	0	0		74.19/	0	0	0		74.19/	0	0	0		74.19/	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		75.3%	0	0	0		74.1%	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%	ő	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	ő	0	
82.7%	0	0	ő		82.7%	0	0	ő		82.7%	0	0	ő		82.7%	0	0	0	
84.0%	õ	õ	ŏ		84.0%	ő	õ	õ		84.0%	ő	õ	ŏ		84.0%	õ	õ	õ	
85.2%	0	0	Ō		85.2%	Ō	Ō	ō		85.2%	Ő	0	0		85.2%	0	Ō	õ	
86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	Ō		87.7%	Ō	Ō	ō		87.7%	Ő	0	0		87.7%	0	Ō	õ	
88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	Ō		90.1%	Ō	0	ō		90.1%	Ő	0	0		90.1%	0	Ō	Ő	
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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

## Table SW-50-3b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		June		
Percent	No Action Alternative	Alternative A	Absolute	
Exceedance	Monthly Diversion	Monthly Diversion	Difference	Relative
(%)	(CFS)	(CFS)	(CFS)	Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	ō	0	ō	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	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	
30.3%	0	0	0	
40.7%	0	0	0	
42.0%	õ	0	ő	
43.2%	Ō	Ō	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 EE C0/	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	õ	ŏ	ő	
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	
09.1% 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	U	0	
82.7%	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	
30.0%	0.0	0.0	0.0	
100.0 %	0.0	0.0	0.0	

Percent Ecceedance Probability 1501 1295 1275 1275 1275 1275 1275 12.376 12.376 12.376 12.376 13.676 11.175 13.676 13.676 13.676 13.676 13.676 13.676 13.576 13.676 13.576 14.576 15.576 15.578 15.578 15.578 15.578 15.578 15.578 15.578 15.578 15.578 15.578 15.578 15.578 17.278 15.578 15.578 17.376 17.778 15.578 15.578 1

	July			Doroont		Augusi			Dercent		September		
No Action Alternative	Alternative A	Absolute	Delative	Percent	No Action Alternative	Alternative A	Absolute	Belativa	Percent	No Action Alternative	Alternative A	Absolute	Polativa
Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Exceedanc	Monthly Diversion	Monthly Diversion	<ul> <li>Difference</li> </ul>	Difference (%)	Drobobility	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
wonthly Diversion	wonthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(CFS)	(CFS)			(%)	(CFS)	(CFS)			(%)	(CFS)	(CFS)		
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	
0	0	0		2.5%	0	0	0		2.5%	0	0	0	
0	0	0		3.7%	0	0	0		3.7%	0	0	0	
0	0	0		4.9%	0	0	0		4.9%	0	0	0	
0	0	0		6.2%	0	0	0		6.2%	0	0	0	
0	0	0		7.4%	0	0	0		7.4%	0	0	0	
0	0	0		8.6%	0	0	0		8.6%	0	0	0	
0	0	0		9.9%	0	0	0		9.9%	0	0	0	
0	0	0		11.1%	0	0	0		11.1%	0	0	0	
0	0	0		12.3%	0	0	0		12.3%	0	0	0	
0	0	0		13.6%	0	0	0		13.6%	0	0	0	
0	0	0		14.8%	0	0	0		14.8%	0	0	0	
0	0	0		16.0%	0	0	0		16.0%	0	0	0	
0	0	0		17.3%	0	0	0		17.3%	0	0	0	
0	0	0		18.5%	0	0	0		18.5%	0	0	0	
0	0	0		19.8%	0	0	0		19.8%	0	0	0	
0	0	0		21.0%	0	0	0		21.0%	0	0	0	
0	0	0		22.2%	0	0	0		22.2%	0	0	0	
0	0	0		23.5%	0	0	0		23.5%	0	0	0	
0	0	0		24.7%	0	0	0		24.7%	0	0	0	
0	0	0		25.9%	0	0	0		25.9%	0	0	Ő	
0	0	0		27.2%	0	0	0		27.2%	0	0	0	
0	0	0		28.4%	0	0	0		28.4%	0	0	0	
0	0	0		29.6%	0	0	0		29.6%	0	0	0	
0	0	0		30.0%	0	0	0		30.9%	0	0	0	
0	0	0		32 1%	0	0	0		32.1%	0	0	0	
0	0	0		33.39/	0	0	0		33.39/	0	0	0	
0	0	0		33.3%	0	0	0		33.3%	0	0	0	
0	0	0		34.0%	0	0	0		34.0%	0	0	0	
0	0	0		35.6%	0	0	0		35.6%	0	0	0	
0	0	0		37.0%	0	0	0		37.0%	0	0	0	
0	0	0		38.3%	0	0	0		38.3%	0	0	0	
0	0	0		39.5%	0	0	0		39.5%	0	0	0	
0	0	0		40.7%	0	0	0		40.7%	0	0	0	
0	0	0		42.0%	0	0	0		42.0%	0	0	0	
0	0	0		43.2%	0	0	0		43.2%	0	0	0	
0	0	0		44.4%	0	0	0		44.4%	0	0	0	
0	0	0		45.7%	0	0	0		45.7%	0	0	0	
0	0	0		46.9%	0	0	0		46.9%	0	0	0	
0	0	0		48.1%	0	0	0		48.1%	0	0	0	
0	0	0		49.4%	0	0	0		49.4%	0	0	0	
0	0	0		50.6%	0	0	0		50.6%	0	0	0	
0	0	0		51.9%	0	0	0		51.9%	0	0	0	
0	0	0		53.1%	0	0	0		53.1%	0	0	0	
0	0	0		54.3%	0	0	0		54.3%	0	0	0	
0	0	0		55.6%	0	0	0		55.6%	0	0	0	
0	0	0		56.8%	0	0	0		56.8%	0	0	0	
0	0	0		58.0%	0	0	0		58.0%	0	0	0	
0	0	0		59.3%	0	0	0		59.3%	0	0	0	
0	0	0		60.5%	0	0	0		60.5%	0	0	0	
0	0	0		61.7%	0	0	0		61.7%	0	0	0	
0	0	0		63.0%	0	0	0		63.0%	0	0	0	
0	0	0		64.2%	0	0	0		64.2%	0	0	0	
0	0	0		65.4%	0	0	0		65.4%	0	0	0	
0	0	0		66.7%	0	0	0		66.7%	0	0	0	
0	0	0		67.9%	0	0	0		67.9%	0	0	0	
0	0	0		69.1%	0	0	0		69.1%	0	0	0	
0	0	0		70.4%	0	0	0		70.4%	0	0	0	
0	0	0		71.6%	0	0	0		71.6%	0	0	0	
0	0	0		72.8%	0	0	0	_	72.8%	0	0	0	
0	0	0		74.1%	0	0	0		74.1%	0	0	0	
0	0	0		75.3%	0	0	0		75.3%	0	0	0	
0	0	0		76.5%	0	0	0		76.5%	0	0	0	
0	0	0		77.8%	0	0	0		77.8%	0	0	0	
õ	õ	ō		79.0%	0	õ	0		79.0%	õ	0	õ	
0	0	0		80.2%	0	0	0		80.2%	0	0	0	
ō	õ	0		81.5%	õ	ō	0		81.5%	ō	ō	0	
0	0	0		82.7%	0	0	0		82.7%	0	0	0	
0	0	ő		84.0%	ő	0	0		84.0%	0	ő	0	
ő	ő	ő		85.2%	ő	0	ő		85.2%	0	0	ő	
0	0	0		86.4%	0	0	0		86.4%	0	0	0	
0	0	0		87 7%	0	0	0		87 7%	0	0	0	
0	0	0		88.0%	0	0	0		88 00/	0	0	0	
0	0	0		00.9%	0	0	0		00.9%	0	0	0	
0	0	0		50.1% 01.4%	0	0	0		90.1%	0	0	0	
0	0	0		91.4%	0	0	0		91.4%	0	0	0	
0	0	0		92.6%	0	0	0		92.0%	0	0	0	
U	U	U		93.8%	0	U	0		93.8%	U	U	U	
0	0	0		95.1%	0	0	0		95.1%	0	0	0	
U	U	U		96.3%	0	U	0		96.3%	U	U	U	_
0	0	0		97.5%	0	0	0		97.5%	0	0	0	
U	U	U		98.8%	U	U	U		98.8%	U	U	U	
0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

		Long-	term Ave	rage and A	Average b	/ Water Ye	ar Type					
					м	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period <sup>1</sup>												
No Action Alternative	7	126	1329	3917	5723	3523	1174	68	19	0	0	0
Alternative A	10	127	1399	3791	5457	3328	1177	66	18	0	0	0
Difference	3	1	70	-126	-266	-195	3	-2	-2	0	0	0
Percent Difference <sup>3</sup>			5.3%	-3.2%	-4.6%	-5.5%	0.2%					
				Water Y	ear Types	2						
Wet (32%)												
No Action Alternative	0	35	1292	9956	14022	8607	3195	128	61	0	0	0
Alternative A	0	60	1402	10004	13875	8407	3233	123	56	0	0	0
Difference	0	25	111	49	-147	-199	38	-5	-5	0	0	0
Percent Difference			8.6%	0.5%	-1.0%	-2.3%	1.2%					
Above Normal (15%)												
No Action Alternative	0	589	1240	3961	5888	4959	997	187	0	0	0	0
Alternative A	0	552	1180	3254	5309	4335	958	186	0	0	0	0
Difference	0	-36	-60	-706	-579	-624	-38	-1	0	0	0	0
Percent Difference		-6.2%	-4.8%	-17.8%	-9.8%	-12.6%	-3.9%	-0.4%				
Below Normal (17%)												
No Action Alternative	40	75	1613	716	1433	83	89	0	0	0	0	0
Alternative A	56	76	1801	643	948	27	69	0	0	0	0	0
Difference	16	0	188	-73	-485	-56	-20	0	0	0	0	0
Percent Difference	39.5%	0.5%	11.7%	-10.2%	-33.8%	-67.5%	-22.9%					
Dry (22%)												
No Action Alternative	0	75	2090	256	768	245	0	0	0	0	0	0
Alternative A	0	65	2142	147	538	104	0	0	0	0	0	0
Difference	0	-9	52	-109	-231	-141	0	0	0	0	0	0
Percent Difference		-12.3%	2.5%	-42.6%	-30.0%	-57.4%						
Critical (15%)												
No Action Alternative	0	0	29	14	13	0	0	0	0	0	0	0
Alternative A	0	0	28	2	8	0	0	0	0	0	0	0
Difference	Ö	0	0	-13	-5	0	0	0	0	0	0	0
Percent Difference			-1.4%	-87.8%	-38.4%							

3 Relative difference of the monthly average



Figure SW-51-3b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance



## Table SW-51-3b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Novomi

Decembe

January

October

		October					November					December					January		
Percent	No Action Alternative	Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletion	Percent	No Action Alternative	Alternative A	Absolute	Deletive
Exceedance			Difference	Relative	Exceedance			Difference	Relative	Exceedance			<ul> <li>Difference</li> </ul>	Relative	Exceedance			Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	(CFS)	(CFS)	(0.0)		(%)	(CFS)	(CFS)	()		(%)	(CFS)	(CFS)	()		(%)	(CFS)	(CFS)	()	
0.0%	559	779	221	39.5%	0.0%	7065	6630	-435	-6.2%	0.0%	19690	20916	1226	6.2%	0.0%	34396	33883	-513	-1.5%
1.2%	0	0	0		1.2%	1342	1187	-155	-11.6%	1.2%	15339	14369	-969	-6.3%	1.2%	30467	30019	-448	-1.5%
2.5%	0	0	0		2.5%	1052	1177	126	11.9%	2.5%	9438	12386	2947	31.2%	2.5%	29120	29236	116	0.4%
3.7%	0	0	0		3.7%	585	1057	472	80.6%	3.7%	9260	9664	405	4.4%	3.7%	24936	24925	-12	0.0%
4.9%	0	0	0		4.9%	318	346	27	8.6%	4.9%	8690	8511	-180	-2.1%	4.9%	21295	22261	966	4.5%
6.2%	0	0	0		6.2%	0	27	27		6.2%	8205	7968	-236	-2.9%	6.2%	20927	22175	1249	6.0%
7.4%	0	0	0		7.4%	0	0	0		7.4%	7529	7074	-455	-6.0%	7.4%	19015	18473	-542	-2.8%
8.6%	0	0	0		8.6%	0	0	0		8.6%	3842	4822	980	25.5%	8.6%	18640	18106	-534	-2.9%
9.9%	0	0	0		9.9%	0	0	0		9.9%	3410	4335	925	27.1%	9.9%	11980	11299	-681	-5.7%
11.1%	0	0	0		11.1%	0	0	0		11.1%	3381	3750	370	10.9%	11.1%	11956	10246	-1711	-14.3%
12.3%	0	0	õ		12.3%	0	0	0		12.3%	3364	3173	-191	-5.7%	12.3%	10544	10093	-451	-4.3%
13.6%	0	0	0		13.6%	0	0	0		13.6%	3262	2794	-468	-14 3%	13.6%	10025	9434	-590	-5.9%
14.8%	0	0	0		14.8%	0	0	0		14.8%	2761	2720	-400	-1 5%	14.8%	9226	0282	-550	0.6%
16.0%	0	0	0		14.0%	0	0	0		16.0%	1007	2720	597	20.49/	16.0%	9577	0010	424	E 19/
10.0%	0	0	0		10.0%	0	0	0		10.0%	1997	2584	007	29.470	10.0%	0070	3010	434	3.176
17.3%	U	0	0		17.3%	0	0	0		17.3%	1931	2544	613	31.7%	17.3%	82/0	7692	-3/6	-4.6%
18.5%	0	0	0		18.5%	0	0	0		18.5%	1632	2235	603	36.9%	18.5%	7295	6638	-657	-9.0%
19.8%	0	0	0		19.8%	0	0	0		19.8%	1364	1628	264	19.4%	19.8%	6835	6013	-823	-12.0%
21.0%	0	0	0		21.0%	0	0	0		21.0%	840	780	-60	-7.2%	21.0%	5815	5156	-658	-11.3%
22.2%	0	0	0		22.2%	0	0	0		22.2%	727	535	-192	-26.3%	22.2%	4988	4746	-242	-4.8%
23.5%	0	0	0		23.5%	0	0	0		23.5%	722	334	-388	-53.7%	23.5%	4592	4007	-585	-12.7%
24.7%	0	0	0		24.7%	0	0	0		24.7%	444	328	-116	-26.0%	24.7%	3793	3525	-269	-7.1%
25.9%	0	0	0		25.9%	0	0	0		25.9%	338	327	-12	-3.4%	25.9%	3788	2720	-1068	-28.2%
27.2%	0	0	0		27.2%	0	0	0		27.2%	270	244	-26	-9.7%	27.2%	2797	2086	-711	-25.4%
28.4%	0	0	0		28.4%	0	0	0		28.4%	167	243	76	45.7%	28.4%	2342	1945	-397	-16.9%
29.6%	0	0	0		29.6%	0	0	0		29.6%	136	188	52	38.5%	29.6%	2254	1690	-564	-25.0%
30.9%	0	0	0		30.9%	0	0	0		30.9%	96	167	70	73.1%	30.9%	1865	1587	-278	-14.9%
32.1%	0	0	0		32.1%	0	0	0		32.1%	79	89	10	12.7%	32.1%	1582	1505	-77	-4.9%
33.3%	0	0	0		33.3%	0	0	0		33.3%	72	11	-61	-84,7%	33.3%	1034	704	-330	-31.9%
34.6%	õ	0	0		34.6%	0	0	õ		34.6%	7	6	-1	••	34.6%	821	620	-201	-24.5%
35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	601	598	-03	-13.4%
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	403	526	-33	6.6%
20.20/	0	0	0		29.29/	0	0	0		29.20/	0	0	0		20.20/	100	192	101	25.6%
30.3%	0	0	0		30.3%	0	0	0		30.3%	0	0	0		38.3%	203	162	-101	-35.6%
39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	244	149	-95	-38.9%
40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	122	86	-37	
42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	97	21	-76	
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	75	0	-75	
44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	10	0	-10	
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	õ		54.3%	0	0	0		54.3%	0	0	0		54.3%	õ	0	0	
55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0	
56.8%	ő	ő	ő		56.8%	0	Ő	0		56.8%	Ő	Ő	ő		56.8%	0	0	ő	
58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
50.0%	0	0	0		50.0%	0	0	0		50.0%	0	0	0		50.0%	0	0	0	
00.5%	0	0	0		00.5%	0		0		00.5%	0	0	0		00.5%	0	0	0	
00.3%	0	0	0		00.3%	0	0	0		00.3%	0	0	0		00.3%	0	0	0	
61.7%	0	0	0		01.7%	0	0	0		01.7%	0	0	0		01.7%	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%	U	U	U		64.2%	U	U	U		64.2%	0	U	U		64.2%	U	U	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	õ		84.0%	0	0	0		84.0%	0	õ	0		84.0%	õ	õ	0	
85.2%	ō	Ō	õ		85.2%	Ō	ō	ō		85.2%	Ō	ō	Ō		85.2%	õ	ō	Ō	
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	Ő		87 7%	0	0	0		87.7%	0	0	0	
07.7%	0	0	0		01.1%	0	0	0		07.7%	0	0	0		07.7%	0	0	0	
00.9%	0	0	0		00.9%	0	0	0		00.9%	0	0	0		00.9%	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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

#### Table SW-51-3b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Descent		rebluary			Dement		March			Descent		Арпі			Descent		may		
Percent	No Action Alternative	Alternative A	Absolute	Polativo	Percent	No Action Alternative	Alternative A	Absolute	Deletive	Percent	No Action Alternative	Alternative A	Absolute	Deletive	Percent	No Action Alternative	Alternative A	Absolute	Delativa
Brobability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Brobability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Drohobility	Monthly Diversion	Monthly Diversion	<ul> <li>Difference</li> </ul>	Difference (%)	Drohobility	Monthly Diversion	Monthly Diversion	<ul> <li>Difference</li> </ul>	Difference (%)
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	wonthly Diversion	Wonthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	(CFS)	(CFS)		0.00/	(%)	(CFS)	(CFS)		0.00/	(%)	(CFS)	(CFS)		0.49/	(%)	(CFS)	(CFS)		0.40/
0.0%	53040	53039	-/	0.0%	0.0%	40909	40900	00	7.40/	0.0%	1/300	17.397	12	0.1%	0.0%	2239	2230	-9	-0.4%
1.2%	49169	49061	-107	-0.2%	1.2%	34562	32037	-2540	-7.4%	1.2%	13909	13901	12	0.1%	1.2%	1000	1049	-11	-0.6%
2.5%	33036	33470	439	1.3%	2.5%	31132	31144	1400	0.0%	2.5%	130/5	13077	2	0.0%	2.5%	1459	1343	-116	-6.0%
3.7 %	30733	05000	422	1.470	3.1 %	47040	47040	-1103	-5.0%	3.1 /0	12900	123/1	5	0.0%	3.170	0	0	0	
4.9%	20/03	20390	-1305	-4.9%	4.9%	16702	14797	-24	-0.1%	4.9%	0208	10040	-3	0.0%	4.9%	0	0	0	
7.40/	40004	24922	2007	0.0 /0	0.270	10/03	14707	-1910	-11.3 %	0.2 /0	5200	5005	-759	*0.2 /0	0.270	0	0	0	
0.69/	17050	20047	1962	0.2%	7.4%	14/00	14311	-445	-3.0%	7.4%	2020	3404	E22	19.6%	7.4%	0	0	0	
0.0%	17950	16007	1070	7.19/	0.0%	12/3/	10407	-1730	-13.0%	0.0%	2009	3401	533	10.0%	0.0%	0	0	0	
9.970	47005	45004	*1272	*7.1%	9.9 /0	11390	10497	-301	-7.3%	9.9 /0	1090	2011	507	32.270	9.970	0	0	0	
10.29/	17020	15091	-1734	-9.6%	11.1%	10699	10105	-734	-0.7%	10.2%	1450	1490	-52	-2.6%	10.29/	0	0	0	
12.370	45070	13019	-1043	*3.4 /0	12.370	10493	5020	-007	-0.4%	12.3%	1409	1409	30	2.0%	12.370	0	0	0	
13.0%	109/2	13090	-2362	-14.9%	13.0%	6000	60001	-4	-0.1%	13.0%	1263	1249	-34	-2.1%	13.0%	0	0	0	
14.0%	11444	10061	403	3.2 /0	14.0 %	5729	4772	-100	-3.3%	14.0%	1255	1026	-33	17.0%	14.0%	0	0	0	
17.2%	11444	10901	-462	-4.2%	10.0%	5270	4//3	-497	-9.4%	10.0%	1201	1036	-210	-17.2%	17.2%	0	0	0	
10.5%	0094	10210	-009	*0.0 %	10 50/	4000	4493	-10	=0.2 %	19.5%	650	903	-241	-20.0%	10.5%	0	0	0	
10.3%	9904	0024	-600	-7.2%	10.3%	4200	4203	-55	-1.3%	10.3%	213	212	-1	-0.3%	10.3%	0	0	0	
21.0%	0/07	8308	-1180	-12.5%	21.0%	3669	3644	-35	-0.7%	21.0%	48	46	-2	-0.370	21.0%	0	0	0	
22.2%	7024	71/7	-777	-0.8%	21.070	3346	3345	-20	0.0%	21.076	10		-10		22.2%	0	0	0	
23.5%	7401	7055	-346	-4 7%	23.5%	3001	2833	-168	-5.6%	23.5%	0	0	-10		23.5%	0	0	0	
24.7%	7267	5708	-1469	-20.2%	24.7%	2025	2000	-100	-6.1%	24.7%	0	0	0		24.7%	0	0	0	
25.9%	5435	5660	226	4.2%	25.9%	2758	2426	-333	-12.1%	25.9%	0	0	0		25.9%	0	0	0	
27.2%	5428	5210	-218	-4.0%	23.376	2/75	2366	-109	-12.170	27.2%	0	0	0		27.2%	0	0	0	
28.4%	5342	4441	-210	-16.9%	28.4%	1861	1/17	-103	-23.0%	28.4%	0	0	0		28.4%	0	0	0	
20.6%	5275	3780	-1486	-28.2%	20.6%	1574	833	-740	-47.0%	20.6%	0	0	0		20.6%	0	0	0	
30.9%	5208	3375	-1834	-35.2%	30.9%	1139	788	-352	-30.9%	30.9%	0	0	0		30.9%	0	0	0	
32.1%	4943	2777	-2166	-43.8%	32.1%	1074	662	-412	-38.4%	32.1%	0	0	Ő		32.1%	0	0	0	
33.3%	3667	2721	-945	-25.8%	33.3%	917	593	-324	-35.3%	33.3%	0	0	0		33.3%	0	0	0	
34.6%	2783	2289	-494	-17.8%	34.6%	654	591	-62	-9.5%	34.6%	0	0	Ő		34.6%	0	0	0	
35.8%	2667	2253	-414	-15.5%	35.8%	590	250	-339	-57.6%	35.8%	0	0	0		35.8%	0	0	0	
37.0%	2603	2138	-465	-17.9%	37.0%	571	212	-360	-63.0%	37.0%	õ	õ	0		37.0%	0	0	õ	
38.3%	2391	1950	-441	-18.4%	38.3%	477	206	-271	-56.8%	38.3%	0	0	0		38.3%	0	0	0	
39.5%	2311	1868	-443	-19.2%	39.5%	421	168	-253	-60.0%	39.5%	0	õ	0		39.5%	0	0	õ	
40.7%	2307	1726	-582	-25.2%	40.7%	400	157	-243	-60.8%	40.7%	0	0	0		40.7%	0	0	0	
42.0%	1990	1555	-435	-21.9%	42.0%	369	139	-230	-62.4%	42.0%	0	0	0		42.0%	0	0	0	
43.2%	1940	1541	-398	-20.5%	43.2%	202	121	-81	-40.1%	43.2%	0	0	0		43.2%	0	0	0	
44.4%	1906	1429	-476	-25.0%	44.4%	196	59	-137	-69.7%	44.4%	0	0	0		44.4%	0	0	0	
45.7%	1681	817	-864	-51.4%	45.7%	48	29	-19		45.7%	0	0	0		45.7%	0	0	0	
46.9%	983	688	-295	-30.0%	46.9%	39	0	-39		46.9%	0	0	0		46.9%	0	0	0	
48.1%	553	591	38	6.9%	48.1%	1	0	-1		48.1%	0	0	0		48.1%	0	0	0	
49.4%	534	414	-120	-22.4%	49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0	
50.6%	498	371	-127	-25.5%	50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
51.9%	290	274	-16	-5.5%	51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	160	99	-62		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	145	92	-53		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	
00.7%	0	0	0		67.0%	0	0	0		67.0%	0	U	0		67.0%	U	0	0	
60.19%	0	0	0		60.1%	0	0	0		60.10	0	0	0		60.1%	0	0	0	
70.4%	0	0	0		70.49/	0	0	0		70.49/	0	0	0		09.1%	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		71.0%	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	Ő	ő		76.5%	0	0	0		76.5%	0	0	Ő		76.5%	Ő	Ő	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%	õ	õ	õ		79.0%	õ	õ	0		79.0%	0	0	õ	
80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0	
81.5%	ō	ō	0		81.5%	ō	ō	0		81.5%	ō	ō	0		81.5%	ō	ō	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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

## Table SW-51-3b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent	No Action Alternative	Alternative A	Absolute	Deletius
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
(%)	(CFS)	(CFS)	(0.0)	
0.0%	1574	1444	-129	-8.2%
1.2%	0	0	0	
2.5%	0	0	0	
4.9%	0	0	0	
6.2%	ő	0	Ő	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.6%	0	0	0	
21.0%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	õ	
28.4%	Ō	0	ō	
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	
40.7%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	Ō	0	õ	
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	
64.0%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	ŏ	ő	ő	
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%	U	0	0	
80.2%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	õ	
87.7%	Ō	0	ō	
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	
90.0%	0.0	0.0	0	
100.0%	0.0	0.0	0.0	

June

Percent Exceedance Probability

(%) 0.0% 1.2% 2.5% 3.7% 4.9% 6.2% 7.4% 8.6% 9.9% 11.1% 12.3% 13.6% 14.8% 16.0% 14.8% 16.0% 17.3%

22.2% 23.5% 24.5% 25.9% 25.9% 25.9% 25.9% 26.3% 25.9% 26.3% 25.9% 27.9% 25.9% 26.9% 27.9%

86.4% 87.7% 88.9% 90.1%

90.1% 91.4% 92.6% 93.8% 95.1% 96.3% 97.5% 98.8% 100.0%

	outy			Percent		ruguot			Percent				
No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative
Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
(CES)	(CES)	(CFS)	Difference (70)	(%)	(CES)	(CES)	(CFS)	Billerende (70)	(%)	(CES)	(CES)	(CFS)	Difference (74)
(010)	(010)	0		0.0%	(010)	(010)	0		0.0%	(010)	(010)	0	
0	0	0		1.2%	0	0	0		1 2%	0	0	0	
0	0	0		2.5%	0	0	0		2.5%	0	0	0	
0	0	0		2.3 /0	0	0	0		2.3 /0	0	0	0	
0	0	0		3.1 %	0	0	0		3.170	0	0	0	
0	0	0		4.9%	0	0	0		4.9%	0	0	0	
0	0	0		6.2%	0	0	0		6.2%	0	0	0	
0	0	0		7.4%	0	0	0		7.4%	0	0	0	
0	0	0		8.6%	0	0	0		8.6%	0	0	0	
0	0	0		9.9%	0	0	0		9.9%	0	0	0	
0	0	0		11.1%	0	0	0		11.1%	0	0	0	
0	0	0		12.3%	0	0	0		12.3%	0	0	0	
0	0	0		13.6%	0	0	0		13.6%	0	0	0	
0	0	0		14.8%	0	0	0		14.8%	Ó	0	0	
0	0	0		16.0%	0	0	0		16.0%	0	0	0	
0	ő	ő		17.3%	ő	0	0		17.3%	0	0	0	
0	0	0		19 59/	0	0	0		10 59/	0	0	0	
0	0	0		10.3%	0	0	0		10.3%	0	0	0	
0	0	0		19.0 %	0	0	0		19.0%	0	0	0	
0	U	0		21.0%	U	0	0		21.0%	0	0	0	
0	0	0		22.2%	0	0	0		22.2%	0	0	0	
0	0	0		23.5%	0	0	0		23.5%	0	0	0	
0	0	0		24.7%	0	0	0		24.7%	0	0	0	
0	0	0		25.9%	0	0	0		25.9%	0	0	0	
0	0	0		27.2%	0	0	0		27.2%	0	0	0	
0	0	0		28.4%	0	0	0		28.4%	0	0	0	
0	0	0		29.6%	0	0	0		29.6%	0	0	0	
0	0	0		30.9%	0	0	0		30.9%	0	0	0	
0	0	0		32,1%	0	0	0		32.1%	0	0	õ	
0	0	0		33.3%	0	0	0		33.3%	0	0	ő	
0	0	0		34 6%	0	0	0		34.6%	0	0	0	
0	0	0		25.00/	0	0	0		25.09/	0	0	0	
0	0	0		35.6%	0	0	0		35.6%	0	0	0	
0	0	0		37.0%	0	0	0		37.0%	0	0	0	
0	0	0		38.3%	0	0	0		38.3%	0	0	0	
0	0	0		39.5%	0	0	0		39.5%	0	0	0	
0	0	0		40.7%	0	0	0		40.7%	0	0	0	
0	0	0		42.0%	0	0	0		42.0%	0	0	0	
0	0	0		43.2%	0	0	0		43.2%	0	0	0	
0	0	0		44.4%	0	0	0		44.4%	0	0	0	
0	0	0		45.7%	0	0	0		45.7%	0	0	0	
0	0	0		46.9%	0	0	0		46.9%	0	0	0	
0	0	0		48.1%	0	0	0		48.1%	0	0	0	
0	0	0		49.4%	0	0	0		49.4%	0	0	0	
0	0	0		50.6%	0	0	0		50.6%	0	0	0	
0	0	0		51.0%	ő	0	0		51.0%	0	0	0	
0	0	0		51.970	0	0	0		52.19/	0	0	0	
0	0	0		53.170	0	0	0		53.170	0	0	0	
0	0	0		55.00/	0	0	0		55.00/	0	0	0	
0	0	0		55.6%	0	0	0		55.6%	0	0	0	
0	0	0		56.8%	0	0	0		56.8%	0	0	0	
0	0	0		58.0%	0	0	0		58.0%	0	0	0	
0	0	0		59.3%	0	0	0		59.3%	0	0	0	
0	0	0		60.5%	0	0	0		60.5%	0	0	0	
0	0	0		61.7%	0	0	0		61.7%	0	0	0	
0	0	0		63.0%	0	0	0		63.0%	0	0	0	
0	0	0		64.2%	0	0	0		64.2%	0	0	0	
0	0	0		65.4%	0	0	0		65.4%	0	0	0	
0	0	0		66.7%	0	0	0		66.7%	0	0	0	
Ő	0	ő		67.9%	0	0	0		67.9%	ő	Ő	ő	
0	0	0		69.1%	0	0	0		69.1%	0	0	0	
0	0	0		70 4%	0	0	ő		70.4%	0	0	0	
0	0	0		71 60/	0	0	0		74 60/	0	0	0	
0	0	0		71.0%	0	0	0		/1.0%	0	0	0	
0	0	0		72.8%	0	0	0		12.0%	0	0	0	
0	0	0		74.1%	0	0	0		74.1%	0	0	0	
0	0	0		75.3%	0	0	0		75.3%	0	0	0	
0	0	0		76.5%	0	0	0		76.5%	0	0	0	
0	0	0		77.8%	0	0	0		77.8%	0	0	0	
0	0	0		79.0%	0	0	0		79.0%	0	0	0	
0	0	0		80.2%	0	0	0		80.2%	0	0	0	
0	0	0		81.5%	0	0	0		81.5%	0	0	0	
0	0	0		82.7%	0	0	0		82.7%	0	0	0	
ō	ō	0		84.0%	ō	ō	0		84.0%	ō	ō	õ	
0	0	0		85.2%	0	0	0	_	85.2%	0	0	0	
0	0	0		86 49/	0	0	0		86.4%	0	0	0	
0	0	0		97 70/	0	0	0		87.7%	0	0	0	
0	0	0		07.7%	0	0	0		07.7%	0	0	0	
U	U	U		88.9%	U	U	U		88.9%	U	0	0	
0	0	0		90.1%	0	0	0		90.1%	0	0	0	
0	0	0		91.4%	0	0	0		91.4%	0	0	0	
0	0	0		92.6%	0	0	0		92.6%	0	0	0	
0	0	0		93.8%	0	0	0		93.8%	0	0	0	
0	0	0		95.1%	0	0	0		95.1%	0	0	0	
0	0	0		96.3%	0	0	0		96.3%	0	0	0	
0	0	0		97.5%	0	0	0		97.5%	0	0	0	
0	0	0		98.8%	0	0	0		98.8%	0	0	0	
0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

		Long		ruge unu P	weitage b	mater re	uriype					
					м	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Lor	ng-term							
Full Simulation Period						0405						
No Action Alternative	8	147	1010	2248	3231	2125	897	89	45	0	0	0
Alternative A	11	132	983	2162	3058	1969	872	85	45	0	0	0
Difference	3	-15	-27	-85	-173	-156	-25	-4	-1	0	0	0
Percent Difference*		-10.3%	-2.7%	-3.8%	-5.4%	-7.3%	-2.8%	-4.4%				
				Water Y	ear Types							
Wet (32%)				5077	7400							
No Action Alternative	0	98	1109	5277	7193	4834	2396	169	143	0	0	0
Alternative A	0	91	1095	5283	7050	4650	2363	158	141	0	0	0
Difference	0	-7	-14	5	-144	-185	-33	-11	-2	0	0	0
Percent Difference			-1.3%	0.1%	-2.0%	-3.8%	-1.4%					
Above Normal (15%)										-		
No Action Alternative	0	511	1096	2726	3647	3200	/6/	241	0	0	0	0
Alternative A	1	446	1011	2375	3389	2860	714	239	0	0	0	0
Difference	1	-65	-85	-350	-258	-340	-53	-2	0	0	0	0
Percent Difference		-12.8%	-7.8%	-12.9%	-7.1%	-10.6%	-6.9%	-0.8%				
Below Normal (17%)										-		
No Action Alternative	49	101	1231	613	1293	265	147	0	0	0	0	0
Alternative A	65	101	1296	549	1012	158	110	0	0	0	0	0
Difference	16	0	65	-64	-281	-106	-37	0	0	0	0	0
Percent Difference	33.2%	0.2%	5.3%	-10.4%	-21.7%	-40.1%	-25.3%					
Dry (22%)												
No Action Alternative	0	110	1255	278	823	356	0	0	0	0	0	0
Alternative A	0	95	1160	177	643	224	0	0	0	0	0	0
Difference	0	-15	-95	-101	-180	-132	0	0	0	0	0	0
Percent Difference		-13.7%	-7.5%	-36.3%	-21.9%	-37.1%						
Critical (15%)												
No Action Alternative	0	0	86	67	101	3	0	0	0	0	0	0
Alternative A	0	0	84	47	87	0	0	0	0	0	0	0
Difference	0	0	-3	-20	-14	-3	0	0	0	0	0	0
Percent Difference			-3.3%	-29.5%	-14.0%	-100.0%						

3 Relative difference of the monthly average





#### Figure SW-52-3b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

## Table SW-52-3b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Novemb

Decembe

January

October

		October					November					December					January		
Percent	No Action Alternative	Alternative A	Absolute		Percent	No Action Alternative	Alternative A	Absolute		Percent	No Action Alternative	Alternative A	Absolute		Percent	No Action Alternative	Alternative A	Absolute	
Exceedance			- Difference	Relative	Exceedance			Difference	Relative	Exceedance			Difference	Relative	Exceedance			Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)
(%)	(CFS)	(CFS)	(010)		(%)	(CFS)	(CFS)	(010)		(%)	(CFS)	(CFS)	(010)		(%)	(CFS)	(CFS)	(010)	
0.0%	685	912	227	33.2%	0.0%	6110	5310	-800	-13.1%	0.0%	10781	11564	783	7.3%	0.0%	15256	15398	141	0.9%
1.2%	0	12	12		1.2%	2168	1904	-264	-12.2%	1.2%	7215	6414	-802	-11.1%	1.2%	14749	14770	21	0.1%
2.5%	0	0	0		2.5%	1645	1439	-205	-12.5%	2.5%	6852	6257	-594	-8.7%	2.5%	11425	11537	113	1.0%
3.7%	0	0	0		3.7%	1333	1341	8	0.6%	3.7%	5913	5440	-474	-8.0%	3.7%	11244	11417	173	1.5%
4 9%	0	0	0		4 0%	334	333	-1	-0.2%	4.0%	4807	5074	267	5 5%	4 0%	10953	11250	208	2 7%
6.0%	0	0	0		6.09/	214	269	46	14 99/	6.00/	4607	4500	207	1 70/	- 370 - 29/	10355	10769	210	2.0%
0.270	0	0	0		0.2 /0	314	208	-40	-14.0 %	0.2 /0	4389	4509	-00	=1.7 %	0.270	10430	10700	312	3.0%
7.4%	0	0	0		7.4%	//	117	41	53.1%	7.4%	4335	3832	-503	-11.6%	7.4%	10022	10037	15	0.1%
8.6%	0	0	0		8.6%	32	78	46	143.3%	8.6%	4324	3705	-620	-14.3%	8.6%	9259	8768	-492	-5.3%
9.9%	0	0	0		9.9%	29	37	8	28.1%	9.9%	3467	3557	90	2.6%	9.9%	9014	8543	-470	-5.2%
11.1%	0	0	0		11.1%	15	0	-15	-100.0%	11.1%	3452	3514	62	1.8%	11.1%	6571	6919	348	5.3%
12.3%	0	0	0		12.3%	6	0	-6		12.3%	3136	3052	-84	-2.7%	12.3%	6512	6566	54	0.8%
13.6%	0	0	0		13.6%	4	0	-4		13.6%	3069	2764	-305	-9.9%	13.6%	6193	5723	-470	-7.6%
14.8%	0	0	0		14.8%	0	0	0		14.8%	3047	2661	-386	-12.7%	14.8%	6139	5620	-519	-8.5%
16.0%	0	0	0		16.0%	0	0	0		16.0%	2933	2640	-293	-10.0%	16.0%	5743	4655	-1088	-18.9%
17.3%	0	0	0		17.3%	0	0	0		17.3%	2353	2312	-41	-1 7%	17.3%	5308	4541	-857	-15.0%
19 59/	0	0	0		10 50/	0	0	0		10 5%	1960	2100	250	12.49/	10 59/	4707	4452	-037	E 99/
10.3%	0	0	0		10.3%	0	0	0		10.3%	1800	2109	200	13.470	10.3%	4727	4400	-2/4	-0.0%
19.6%	0	0	0		19.8%	0	0	0		19.8%	1005	2003	200	14.3%	19.6%	4232	3962	-250	-5.9%
21.0%	U	0	0		21.0%	0	0	U		21.0%	1607	1291	-17	-1.0%	21.0%	3952	3524	-426	-10.8%
22.2%	0	0	0		22.2%	0	0	0		22.2%	1526	1025	-501	-32.9%	22.2%	3881	3500	-381	-9.8%
23.5%	0	0	0		23.5%	0	0	0		23.5%	1138	871	-267	-23.4%	23.5%	3723	3364	-358	-9.6%
24.7%	0	0	0		24.7%	0	0	0		24.7%	628	777	149	23.7%	24.7%	3397	3152	-245	-7.2%
25.9%	0	0	0		25.9%	0	0	0		25.9%	537	626	89	16.6%	25.9%	3236	2288	-947	-29.3%
27.2%	0	0	0		27.2%	0	0	0		27.2%	534	612	77	14.5%	27.2%	2265	2127	-138	-6.1%
28.4%	0	0	0		28.4%	0	0	0		28.4%	501	585	83	16.6%	28.4%	2209	2052	-157	-7.1%
29.6%	0	0	0		29.6%	0	0	0		29.6%	411	573	163	39.6%	29.6%	2125	2004	-121	-5.7%
30.9%	0	0	0		30.9%	0	0	0		30.9%	404	455	50	12.4%	30.9%	2108	1882	-226	-10.7%
32.1%	0	ő	0		32 1%	0	0	ő		32 1%	398	439	41	10.3%	32 1%	1700	1700	0	0.0%
33 39/	0	0	0		33.39/	0	0	0		33.39/	330	402	72	21 0%	33 30/	1161	12/1	80	6.0%
33.370	0	0	0		33.370	0	0	0		33.370	330	402	12	21.3%	33.370	1001	007	00	0.9%
34.0%	0	0	0		34.0%	0	0	0		34.0%	278	320	4/	17.170	34.0%	1085	907	-99	-3.170
35.8%	0	0	0		35.8%	0	0	0		35.8%	251	319	68	26.9%	35.8%	1066	872	-193	-18.1%
37.0%	0	0	0		37.0%	0	0	0		37.0%	210	316	106	50.2%	37.0%	977	834	-143	-14.6%
38.3%	0	0	0		38.3%	0	0	0		38.3%	88	182	94	107.6%	38.3%	836	734	-102	-12.2%
39.5%	0	0	0		39.5%	0	0	0		39.5%	50	41	-9		39.5%	824	658	-166	-20.1%
40.7%	0	0	0		40.7%	0	0	0		40.7%	16	19	3		40.7%	482	383	-99	-20.5%
42.0%	0	0	0		42.0%	0	0	0		42.0%	13	11	-2		42.0%	451	334	-116	-25.8%
43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	319	230	-88	-27.7%
44 4%	0	0	0		44.4%	0	0	0		44 4%	0	0	0		44 4%	174	144	-29	-16.9%
45.7%	ő	0	0		45.7%	0	0	ő		45.7%	0	0	ő		45 7%	103	143	40	10.070
46.09/	ő	0	0		46.09/	0	0	0		46.09/	0	0	0		46.09/	08	97	11	
40.9%	0	0	0		40.970	0	0	0		40.9 /0	0	0	0		40.9%	30	47	-11	
40.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		40.1%	90	47	-49	
49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	55	33	-22	
50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	42	30	-12	
51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	35	0	-35	
53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	12	0	-12	
54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	2	0	-2	
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%	Ó	0	0		59.3%	0	0	0		59.3%	0	Ó	0		59.3%	Ó	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%	ő	ő	0		61.7%	ő	0	0	
62.0%	0	0	0		62.0%	0	0	0		62.0%	0	0	0		62.0%	0	0	0	
03.0%	0	0	0		03.0%	0	0	0		03.0%	0	0	0		03.0%	0	0	0	
04.2%	0	0	0		04.2%	0	0	0		04.2%	0	0	0		04.2%	0	0	0	
05.4%	U	0	0		05.4%	0	0	U		00.4%	0	U	0		05.4%	U	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%	Ő	ő	0		79.0%	ő	0	0	
80.2%	0	ů.	0		80.2%	0	0	0		80.2%	Č.	ů.	0		80.2%	ů.	0	0	
00.270	0	0	0		00.270	0	0	0		00.270	0	0	0		00.270	0	0	0	
01.3%	0	0	0		01.3%	0	0	0		01.3%	0	0	0		01.3%	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%	Ó	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	
03.8%	0	0	0		03.8%	0	0	0		03.8%	0	0	0		03.8%	0	0	0	
93.0%	0	0	0		95.0%	0	0	0		95.0%	0	0	0		93.0%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		30.1%	0	0	0		90.1%	0	0	0	
90.3%	U	U	0		96.3%	0	0	U		96.3%	U	U	U		96.3%	U	U	0	
97.5%	0	U	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	U	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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

#### Table SW-52-3b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Percent		Tebluary			Parcent		maron			Dercent		74211			Percent		indy		
Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative	Exceedance	No Action Alternative	Alternative A	Absolute	Relative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Drobability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Drobability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Drobability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
riobability	MOILINY DIVEISION	MONULITY DIVERSION	(CFS)	Difference ( 76)	FIODADIIIty	wontiny Diversion	WOTILITY DIVERSION	(CFS)	Difference (76)	FIODADINLY	MONTHLY DIVERSION	MOTILITY DIVERSION	(CFS)	Difference (%)	FIODADIIILY	MOITUNY DIVERSION	MONUNY DIVERSION	(CFS)	Difference (%)
(%)	(0F3)	(0F3)	2	0.00/	(%)	(CFS)	(UFS)	0	0.00/	(76)	(6F3)	(UF3)	40	0.00/	(76)	(6F3)	(UF3)	00	0.00/
0.0%	18/36	18733	-3	0.0%	0.0%	1////	1////	0	0.0%	0.0%	9875	9859	-16	-0.2%	0.0%	2892	2870	-23	-0.8%
1.2%	18159	18138	-21	-0.1%	1.2%	14705	14697	-8	-0.1%	1.2%	8796	8798	2	0.0%	1.2%	1980	1930	-50	-2.5%
2.5%	15350	15598	247	1.6%	2.5%	13585	12770	-815	-6.0%	2.5%	8066	8089	24	0.3%	2.5%	1550	1528	-22	-1.4%
3.7%	13328	13486	158	1.2%	3.7%	11791	11229	-562	-4.8%	3.7%	7657	7658	1	0.0%	3.7%	873	649	-223	-25.6%
4.9%	11640	12457	817	7.0%	4.9%	9970	9961	-9	-0.1%	4.9%	7057	7056	-1	0.0%	4.9%	0	0	0	
6.2%	10925	10962	37	0.3%	6.2%	8585	7599	-986	-11.5%	6.2%	4953	4632	-322	-6.5%	6.2%	0	0	0	
7.4%	10864	10513	-351	-3.2%	7.4%	7690	7076	-614	-8.0%	7.4%	3949	3949	0	0.0%	7.4%	0	0	0	
8.6%	10452	10487	34	0.3%	8.6%	7209	6827	-382	-5.3%	8.6%	3511	3515	4	0.1%	8.6%	0	0	0	
9.9%	10203	9767	-436	-4.3%	9.9%	7184	6422	-762	-10.6%	9.9%	3009	3017	8	0.3%	9.9%	0	0	0	
11.1%	9890	9000	-890	-9.0%	11.1%	6322	6322	0	0.0%	11 1%	2471	2533	63	2.5%	11.1%	0	0	0	
12.3%	8871	8714	-050	-1.8%	12 3%	6110	5570	-541	-8.8%	12 3%	2286	1038	-348	-15.2%	12.3%	0	0	0	
40.00/	0050	0075	400	-1.070	40.00/	5000	5000	-041	-0.070	40.00/	2200	1000	400	-13.270	40.00/	0	0	0	
13.0%	0000	0070	-162	-2.1%	13.0%	5093	5092	-1	0.0%	13.0%	2059	1930	-126	-0.2%	13.0%	0	0	0	
14.6%	7639	8072	233	3.0%	14.6%	4619	4/3/	-63	-1.7%	14.6%	2027	1615	-412	-20.3%	14.6%	U	U	0	
16.0%	6949	6770	-179	-2.6%	16.0%	4524	4526	2	0.1%	16.0%	1642	1537	-105	-6.4%	16.0%	0	0	0	
17.3%	6880	6099	-782	-11.4%	17.3%	3954	3949	-5	-0.1%	17.3%	1579	1530	-49	-3.1%	17.3%	0	0	0	
18.5%	6738	5942	-796	-11.8%	18.5%	3390	3385	-4	-0.1%	18.5%	1525	1528	3	0.2%	18.5%	0	0	0	
19.8%	6425	5724	-701	-10.9%	19.8%	3359	3213	-146	-4.4%	19.8%	1066	591	-476	-44.6%	19.8%	0	0	0	
21.0%	6243	5654	-589	-9.4%	21.0%	3225	2742	-483	-15.0%	21.0%	595	556	-40	-6.7%	21.0%	0	0	0	
22.2%	6027	5633	-394	-6.5%	22.2%	3184	2645	-538	-16.9%	22.2%	547	424	-123	-22.4%	22.2%	0	0	0	
23.5%	5332	4962	-370	-6.9%	23.5%	2752	2582	-170	-6.2%	23.5%	310	307	-3	-0.8%	23.5%	0	0	0	
24.7%	5325	4955	-369	-6.9%	24.7%	2704	2534	-170	-6.3%	24.7%	305	302	-2	-0.7%	24.7%	0	0	0	
25.9%	4823	4954	131	2.7%	25.9%	2562	2470	-92	-3.6%	25.9%	274	170	-104	-37.9%	25.9%	0	0	0	
27.2%	4221	4085	-137	-3.2%	27.2%	2543	2233	-310	-12.2%	27.2%	7	4	-3		27.2%	0	0	0	
28.4%	4202	3520	-682	-16.2%	28.4%	2531	2081	-450	-17.8%	28.4%	0	0	0		28.4%	0	0	Ő	
20.6%	4164	3358	-806	-10.4%	20.6%	2375	1706	-660	-28.2%	20.6%	0	0	0		20.6%	0	0	0	
20.0%	2076	2712	1064	21.00/	20.0%	2010	1271	003	20.2%	20.0%	0	0	0		20.0%	0	0	0	
30.5%	3370	2/12	1024	-31.0%	30.9%	1701	1071	-070	-39.0 %	30.376	0	0	0		30.9%	0	0	0	
32.170	3709	2074	-1034	*27.3%	32.170	1701	1238	*445	-20.1%	32.170	0	0	0		32.170	0	0	0	
33.3%	3409	2520	-889	-26.1%	33.3%	1567	1137	-431	-27.5%	33.3%	0	0	0		33.3%	0	0	0	
34.6%	3214	2488	-726	-22.6%	34.6%	1365	1092	-272	-20.0%	34.6%	0	0	0		34.6%	0	0	0	
35.8%	3121	2446	-676	-21.7%	35.8%	1304	949	-355	-27.2%	35.8%	0	0	0		35.8%	0	0	0	
37.0%	2867	2413	-454	-15.8%	37.0%	1266	862	-404	-31.9%	37.0%	0	0	0		37.0%	0	0	0	
38.3%	2787	2321	-466	-16.7%	38.3%	1110	788	-322	-29.0%	38.3%	0	0	0		38.3%	0	0	0	
39.5%	2531	2246	-286	-11.3%	39.5%	1051	741	-310	-29.5%	39.5%	0	0	0		39.5%	0	0	0	
40.7%	2503	2197	-305	-12.2%	40.7%	935	727	-208	-22.2%	40.7%	0	0	0		40.7%	0	0	0	
42.0%	2452	2197	-255	-10.4%	42.0%	598	638	41	6.8%	42.0%	0	0	0		42.0%	0	0	0	
43.2%	2444	1896	-548	-22.4%	43.2%	508	404	-104	-20.5%	43.2%	0	0	0		43.2%	0	0	0	
44.4%	1429	1369	-60	-4.2%	44.4%	504	373	-131	-26.1%	44.4%	0	0	0		44.4%	0	0	0	
45.7%	1202	1040	-162	-13.5%	45.7%	416	267	-149	-35.9%	45.7%	0	0	0		45.7%	0	0	0	
46.0%	1153	088	-166	-14 4%	46.0%	406	141	-265	-65.2%	46.0%	0	0	0		46.0%	0	0	0	
48.1%	1064	031	-133	-12.5%	48.1%	333	120	-203	-61.3%	48.1%	0	0	0		40.376	0	0	0	
40.1%	1052	974	170	17.0%	40.1%	202	100	102	64.19/	40.1%	0	0	0		40.1%	0	0	0	
49.4%	1033	950	-175	1 09/	49.4%	302	109	100	=04.1%	49.4 /0	0	0	0		49.4%	0	0	0	
50.0%	770	000	-17	-1.9%	50.0%	217	100	-109	*30.276	50.0%	0	0	0		50.0%	0	0	0	
51.9%	776	829	53	6.8%	51.9%	1/1	94	-//	-45.0%	51.9%	0	0	0		51.9%	0	0	0	
53.1%	/54	657	-97	-12.9%	53.1%	156	83	-73	-47.0%	53.1%	0	0	0		53.1%	0	0	0	
54.3%	382	347	-35	-9.1%	54.3%	95	42	-53		54.3%	0	0	0		54.3%	0	0	0	
55.6%	2/4	144	-130	-47.5%	55.6%	33	0	-33		55.6%	0	0	0		55.6%	0	0	0	
56.8%	149	111	-38		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0	
58.0%	137	109	-28		58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0	
59.3%	131	90	-41		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0	
60.5%	53	35	-19		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0	
61.7%	31	9	-22		61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0	
63.0%	21	0	-21		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0	
64.2%	1	0	-1		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	Ő	0		75.3%	0	0	0		75.3%	0	0	Ő		75.3%	0	0	Ő	
76.5%	0	Ő	0		76.5%	ő	Ő	0		76.5%	0	Ő	ő		76.5%	0	0	ő	
77.8%	0	0	0		77.8%	ő	0	0		77.8%	0	0	0		77.8%	0	0	0	
70.0%	0	0	0		70.0%	0	0	0		70.0%	0	0	0		77.0%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0	
00.2%	0	0	0		00.2%	0	0	0		00.2%	0	0	0		00.2%	0	0	0	
01.5%	0	0	U		01.0%	0	0	U		01.5%	U	U	0		01.5%	U	U	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%	Ō	ō	õ		97.5%	0	Ō	õ		97.5%	0	ō	Ō		97.5%	õ	ō	Ō	
98.8%	0	0	0		98.8%	0	0	0		98.8%	0	ō	0		98.8%	0	0	0	
100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

## Table SW-52-3b Tisdale Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		June		
Percent	No Action Alternative	Alternative A	Absolute	
Exceedance Probability	Monthly Diversion	Monthly Diversion	Difference	Relative Difference (%
(%)	(CFS)	(CFS)	(CFS)	Difference (A
0.0%	3625	3567	-58	-1.6%
1.2%	97	93	-3	-3.6%
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
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	U	0	
25.9%	U	0	0	
27.2%	U	0	0	
20.4%	0	0	0	
29.0%	0	0	0	
30.9%	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%	Ő	0	0	
44.4%	0	0	0	
45.7%	Ő	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	
	-	0	0	

Percent

(%) 0.0% 1.2%

2.5% 3.7%

4.9% 6.2%

7.4% 8.6% 9.9% 11.1% 12.3%

12.3% 13.6% 14.8% 16.0% 17.3% 18.5% 19.8% 21.0%

21.0% 22.2% 23.5% 24.7% 25.9% 27.2% 28.4% 29.6% 30.9% 32.1%

32.1% 33.3% 34.6% 35.8% 37.0% 38.3% 39.5% 40.7% 42.0% 43.2% 44.4%

44.4% 45.7%

46.9% 48.1% 49.4% 50.6%

51.9% 53.1% 54.3%

54.3% 55.6% 56.8% 58.0% 59.3%

59.3% 60.5% 61.7% 63.0% 64.2% 65.4% 66.7% 66.7% 67.9%

69.1% 69.1% 70.4% 71.6% 72.8%

72.8% 74.1% 75.3% 76.5% 77.8% 79.0% 80.2% 81.5% 82.7% 84.0% 85.2% 86.4%

86.4% 87.7%

88.9% 90.1%

91.4% 92.6% 93.8% 95.1%

96.3% 97.5% 98.8%

100.0%

Exceedance Probability

No Action Alternative

0.0

	July					August					September		
No Action Alternative	Alternative A	Absolute		Percent	No Action Alternative	Alternative A	Absolute		Percent	No Action Alternative	Alternative A	Absolute	
NO ACCION ALCENIACIVE	Alternative A	- Difference	Relative	Exceedance	No Action Alternative	Alternative A	- Difference	Relative	Exceedance	No Action Alternative	Alternative A	Difference	Relative
Monthly Diversion	Monthly Diversion	(CER)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CES)	Difference (%)
(CFS)	(CFS)	(6F3)		(%)	(CFS)	(CFS)	(6F3)		(%)	(CFS)	(CFS)	(0-3)	
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	
0	0	0		2.5%	0	0	0		2.5%	0	0	0	
0	0	0		3.7%	0	0	0		3.7%	0	0	0	
0	0	0		4.9%	0	0	0		4 9%	0	0	0	
0	0	0		6.2%	0	0	0		6.2%	0	0	0	
0	0	0		7.49/	0	0	0		7.49/	0	0	0	
0	0	0		7.4%	0	0	0		7.4%	0	0	0	
0	0	0		8.6%	0	0	0		8.6%	0	0	0	
0	0	0		9.9%	0	0	0		9.9%	0	0	0	
0	0	0		11.1%	0	0	0		11.1%	0	0	0	
0	0	0		12.3%	0	0	0		12.3%	0	0	0	
0	0	0		13.6%	0	0	0		13.6%	0	0	0	
0	0	0		14.8%	0	0	0		14.8%	0	0	0	
0	0	0		16.0%	0	0	0		16.0%	0	0	0	
0	Ó	0		17.3%	0	Ó	0		17.3%	0	0	0	
0	0	0		18.5%	0	0	0		18 5%	0	0	0	
ő	õ	0		19.8%	ő	õ	Ő		19.8%	0	0	ő	
0	0	0		21.0%	0	0	0		21.0%	0	0	0	
0	0	0		21.0%	0	0	0		21.0%	0	0	0	
0	0	0		22.2%	0	0	0		22.2%	0	0	0	
0	0	0		23.5%	0	0	0		23.5%	0	0	0	
0	0	0		24.7%	0	0	0		24.7%	0	0	0	
0	0	0		25.9%	0	0	0		25.9%	0	0	0	
0	0	0		27.2%	0	0	0		27.2%	0	0	0	
0	0	0		28.4%	0	0	0		28.4%	0	0	0	
0	0	0		29.6%	0	0	0		29.6%	0	0	0	
0	0	0		20.0%	0	0	0		20.0%	0	0	0	
0	0	0		30.3%	0	0	0		30.3%	0	0	0	
U	0	U		32.1%	U	U	0		32.1%	U	U	0	
0	0	0		33.3%	0	0	0		33.3%	0	0	0	
0	0	0		34.6%	0	0	0		34.6%	0	0	0	
0	0	0		35.8%	0	0	0		35.8%	0	0	0	
0	0	0		37.0%	0	0	0		37.0%	0	0	0	
0	0	0		38.3%	0	0	0		38.3%	0	0	0	
0	0	0		39.5%	0	0	0		39.5%	0	0	0	
0	0	0		40.7%	0	0	0		40.7%	0	0	0	
0	ő	0		42.0%	ő	ő	0		42.0%	0	0	ő	
0	0	0		42.070	0	0	0		42.070	0	0	0	
0	0	0		43.270	0	0	0		43.270	0	0	0	
0	0	0		44.4%	0	0	0		44.4%	0	0	0	
0	0	0		45.7%	0	0	0		45.7%	0	0	0	
0	0	0		46.9%	0	0	0		46.9%	0	0	0	
0	0	0		48.1%	0	0	0		48.1%	0	0	0	
0	0	0		49.4%	0	0	0		49.4%	0	0	0	
0	0	0		50.6%	0	0	0		50.6%	0	0	0	
0	0	0		51.9%	0	0	0		51.9%	0	0	0	
0	0	0		53.1%	0	0	0		53.1%	0	0	0	
0	0	0		54.3%	0	0	0		54.3%	0	0	0	
0	0	0		55.6%	0	0	0		55.6%	0	0	0	
0	ő	0		56.8%	ů 0	ő	0		56.8%	0	0	0	
0	0	0		50.0%	0	0	0		50.0%	0	0	0	
0	0	0		50.0%	0	0	0		50.0%	0	0	0	
0	0	0		59.3%	0	U	0		59.3%	0	0	0	
0	0	0		60.5%	0	0	0		60.5%	0	0	0	
0	0	0		61.7%	0	0	0		61.7%	0	0	0	
0	0	0		63.0%	0	0	0		63.0%	0	0	0	
0	0	0		64.2%	0	0	0		64.2%	0	0	0	
0	0	0		65.4%	0	0	0		65.4%	0	0	0	
0	0	0		66.7%	0	0	0		66.7%	0	0	0	
0	0	0		67.9%	0	0	0		67.9%	0	0	0	
0	0	0		69.1%	0	0	0		69.1%	0	0	0	
0	0	0		70.4%	Ó	0	0		70.4%	0	0	0	
0	0	0		71.6%	0	0	0		71.6%	0	0	0	
ő	0	ő		72.8%	ő	ő	ő		72.8%	Ő	ő	0	
0	0	0		74 40/	0	0	0		74 40/	0	0	0	
0	0	0		74.170	0	0	0		75.20/	0	0	0	
0	0	0		15.3%	0	0	0		15.3%	0	0	0	
U	U	U		76.5%	U	U	U		/6.5%	U	U	U	
0	0	0		77.8%	0	0	0		77.8%	0	0	0	
0	0	0		79.0%	0	0	0		79.0%	0	0	0	
0	0	0		80.2%	0	0	0		80.2%	0	0	0	
0	0	0		81.5%	0	0	0		81.5%	0	0	0	
0	0	0		82.7%	0	0	0		82.7%	0	0	0	
0	0	0		84.0%	0	0	0		84.0%	0	0	0	
0	0	õ		85.2%	0	0	0		85.2%	0	0	Ő	
0	0	0		86.4%	0	0	0		86.4%	0	0	0	
0	0	0		87 7%	0	0	0		87 79/	0	0	0	
0	0	0		67.7%	0	0	0		67.7%	0	0	0	
0	0	0		88.9%	0	0	0		88.9%	0	0	0	
0	0	0		90.1%	0	0	0		90.1%	0	0	0	
0	0	0		91.4%	0	0	0		91.4%	0	0	0	
0	0	0		92.6%	0	0	0		92.6%	0	0	0	
0	0	0		93.8%	0	0	0		93.8%	0	0	0	
0	0	0		95.1%	0	0	0		95.1%	0	0	0	
0	0	0		96.3%	0	0	0		96.3%	0	0	0	
õ	ñ	ő		97.5%	0	ñ	ő		97.5%	ñ	ñ	ő	
0	0	0		98.8%	0	0	0		98.8%	0	0	0	
0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	
11.01	11.11	0.0		1101117/0					11011170				

Alternative B Compared to No Action Alternative

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				ugo una /	(relage b)		ai i jpo					
			_		. M	onthly Div	ersion (CFS	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep
surgest the part of				Lor	ng-term							
Full Simulation Period	0	0	62	257	424	190	14	0	0	0	0	0
All work of D	0	0	03	237	431	109	14	0	0	0	0	0
Alternative B	0	0	00	232	399	174		0	0	0	0	0
Difference	0	0	5	-25	-32	-15	-2	0	0	0	0	0
Percent Difference*			8.4%	-9.8%	-7.3%	-8.0%	-16.9%					
				water t	ear Types							
Wet (32%)	0	0	20	770	1010	EE 4	24	0	0	0	0	0
No Action Alternative	0	0	29	717	1213	504	34	0	0	0	0	0
Alternative B	0	0	30	/1/	1130	517	29	0	0	0	0	0
Difference	0	0	7	-62	-77	-38	-5	0	0	0	0	0
			22.7%	-7.9%	-6.4%	-6.8%	-15.4%					
Above Normal (15%)	0	0		<u>co</u>	240	00	40	0	0	0	0	
No Action Alternative	0	0	1	00	310	00	19	0	0	0	0	0
Alternative B	0	0	8	30	268	67	14	0	0	0	0	0
Difference	0	0	7	-38	-48	-21	-4	0	0	0	0	0
Percent Dillerence				-55.9%	-15.2%	-23.8%	-22.8%					
Below Normal (17%)	0	0	400	0		0	0	0	0	0	0	
No Action Alternative	0	0	123	0	0	0	0	0	0	0	0	0
Alternative B	0	0	153	0	0	0	0	0	0	0	0	0
Difference	0	0	30	0	0	0	0	0	0	0	0	0
Percent Difference			24.1%									
Ury (22%)	0	0	4.47	0		0	0	0	0	0	0	
NU ACIUM Alternative	0	0	147	0	0	0	0	0	0	0	0	0
Alternative B	0	0	134	0	0	0	U	0	0	0	0	0
Difference	0	0	-13	0	0	0	0	0	0	0	0	0
			-9.1%									
uritical (15%)	0	0	0	0	0	0	0	0	0	0	0	0
NU ACIUM Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Hitemative d	0	0		0	0	0	U	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0

3 Relative difference of the monthly average



#### Figure SW-49-5b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance



## Table SW-49-5b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Party         Math         Note:         Note: <th< th=""><th></th><th></th><th>October</th><th></th><th></th><th></th><th></th><th>November</th><th></th><th></th><th></th><th></th><th>December</th><th></th><th></th><th></th></th<>			October					November					December			
Internet         Interne         Internet         Internet	Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Pe
	Exceedance	Manthly Diversion	Maatha Diversian	- Difference	Relative	Exceedance	Manthha Diversion	Manthha Diversion	- Difference	Relative	Exceedance	Manthly Diversion	Maathly Diversian	- Difference	Relative	Exce
	(%)	(CES)	(CES)	(CFS)	Difference (%)	Probability (%)	(CES)	(CES)	(CFS)	Difference (%)	Probability (%)	(CES)	(CES)	(CFS)	Difference (%)	Proc
	0.0%	(0F3)	0	0		0.0%	(0F3)	(0F3)	0		0.0%	1659	1973	314	18.9%	
	1.2%	0	0	0		1.2%	0	0	0		1.2%	1365	1186	-179	-13.1%	1
	2.5%	0	0	0		2.5%	0	0	0		2.5%	907	937	30	3.3%	2
	3.7%	0	0	0		3.7%	0	0	0		3.7%	617	722	106	17.1%	3
	4.9%	0	0	0		4.9%	0	0	0		4.9%	377	284	-93	-24.7%	4
	6.2%	0	0	0		6.2%	0	0	ő		6.2%	150	218	68	45.4%	F
bbs         b         b         bbs         b         bbs         b         bbs         b	7.4%	0	0	0		7.4%	0	0	0		7.4%	70	172	102	145.0%	-
15%     0     0     15%     0     15%     0     0     15%     0     0     0       15%     0     0     0     15%     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0     0       15%     0     0     0     0     0     0     0     0	9.69/	0	0	0		0 69/	0	0	0		9.69/	10	01	94	143.976	
	0.0%	0	0	0		0.0%	0	0	0		0.0%	0	91	04		
11.22     0     0     123     0     0     123     0     0     123     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     0     0     0     0       150     0     0     0     0     0     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		1
	12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0		1
Hab         O         O         Hab         O         O         Hab         O         O         O         O           173.         O	13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0		1
	14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		1
17.5         0         0         17.5         0         0         17.5         0         0         0           16.5         0         0         17.5         0         0         0         0         0           16.5         0         0         0         0         17.5         0         0         0           17.5         0         0         0         17.5         0         0         0           17.5         0         0         0         0         17.5         0         0         0           17.5         0         0         0         0         0         17.5         0         0         0           17.5         0         0         0         0         0         17.5         0         0         0         0         0         0         0         0           17.5         0         0         0         0         0         0         0         0         0         0         0         0           17.5         0         0         0         0         0         0         0         0         0         0         0         0	16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		1
	17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		1
	18.5%	0	0	0		18.5%	0	0	0		18.5%	0	0	0		1
20%     0     0     10%     0     0     10%     0     0     0       25%     0     0     27%     0     0     25%     0     0     0       24%     0     0     0     27%     0     0     27%     0     0     0       25%     0     0     27%     0     0     27%     0     0     0     0       25%     0     0     27%     0     0     27%     0     0     0     0       25%     0     0     27%     0     0     27%     0     0     0     0       25%     0     0     27%     0     0     25%     0     0     0       25%     0     0     27%     0     0     25%     0     0     0       25%     0     0     25%     0     0     25%     0     0     0       25%     0     0     25%     0     0     25%     0     0     0       25%     0     0     25%     0     0     0     0     0     0       25%     0     0     0     0     0 <t< td=""><td>19.8%</td><td>0</td><td>0</td><td>0</td><td></td><td>19.8%</td><td>0</td><td>0</td><td>0</td><td></td><td>19.8%</td><td>0</td><td>0</td><td>0</td><td></td><td>1</td></t<>	19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		1
22%         0	21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		2
	22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		2
	23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0		2
	24.7%	0	0	0		24 7%	0	0	0		24.7%	0	0	0		2
	25.0%	0	0	0		24.7 /0	0	0	0		24.7 /0	0	0	0		2
1446         0	23.370	0	0	0		20.9%	0	0	0		20.9%	0	0	0		2
	20.4%	0	0	0		21.2%	0	0	0		21.2%	0	U	0		2
abbs         bbs         bbs <td>20.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>20.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>20.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>2</td>	20.4%	0	0	0		20.4%	0	0	0		20.4%	0	0	0		2
ab h         0	29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		2
217%         0         0         327%         0         0         327%         0         0         0           358%         0         0         348%         0         0         338%         0         0         0         338%         0	30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		3
	32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		3
340%         0         0         340%         0         0         340%         0	33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		3
35 m, 0         0         36 m, 0         0         36 m, 0         0         36 m, 0         0 <td>34.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>34.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>34.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>3</td>	34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		3
37.0%         0         0         37.0%         0         0         37.0%         0         <	35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		3
	37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		3
335%       0       0       35%       0       0       35%       0	38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		3
40.7%0040.7%0040.7%00042.0%0042.0%0042.0%0042.0%00042.0%00042.0%00042.0%00042.0%00042.0%000042.0%0000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000014.0%000<	39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		3
420%       0       0       0       120%       0       0       120%       0       0       0       120%       0       0       120%       0       0       120%       0       0       120%       0       0       120%       0       0       120%       0       0       120%       0       0       120%       0       0       120%       120%       120%       120%       0       120%	40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		4
42.%         0         0         42.%         0         0         42.%         0         0         42.%         0         <	42.0%	0	ō	0		42.0%	ō	ō	0		42.0%	ō	õ	0		4
44.4%       0       0       0       44.4%       0       0       0       44.4%       0       <	43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	Ő		4
48.7%         0         0         48.7%         0         0         48.7%         0         0         0           48.7%         0         0         48.7%         0         0         48.7%         0         0         0           48.7%         0         0         0         48.7%         0         0         0         48.7%         0	44 4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		4
4£9%         0         0         4£9%         0         0         4£9%         0         0         0           484%         0         0         0         46.4%         0	45.7%	0	0	0		45 7%	0	0	0		45.7%	0	0	Ő		4
****         0         0         4****         0         0         4****         0         0         0           54:5%         0         0         0         4****         0         0         0         0           50:6%         0 <td>46.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>46.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>46.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td>	46.0%	0	0	0		46.0%	0	0	0		46.0%	0	0	0		
48.4%         0         0         48.4%         0         0         48.4%         0         0         0           51.9%         0	48.1%	0	0	0		48.1%	0	0	0		48 1%	0	0	0		-
Stark         O         O         Stark         O         O         Stark         O         O         Stark         O         O         O         Stark         O	40.1%	0	0	0		40.170	0	0	0		40.1%	0	0	0		4
S40%         0	49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		4
51.9%       0       0       51.9%       0       0       51.9%       0       0       0       0       0<	50.6%	U	0	0		50.0%	0	0	0		50.6%	0	0	0		5
b213         b         c         b         b         c         b         b         b         b         b         c <thc< th="">         c         c         c</thc<>	51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		5
b4.3%       0       0       0       54.3%       0	53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		5
55.8%         0         0         0         55.8%         0         0         55.9%         0         <	54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		5
56.8%         0         0         0         56.8%         0	55.6%	0	0	0		55.6%	0	0	0		55.6%	0	0	0		5
58,0%         0         0         0         68,0%         0         0         68,0%         0         <	56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		5
59.3%       0       0       0       53.3%       0	58.0%	0	0	0		58.0%	0	0	0		58.0%	0	0	0		5
60.5%         0 <td>59.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>59.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>59.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>5</td>	59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		5
61.7%       0       0       61.7%       0       0       61.7%       0       0       0       0         64.2%       0       0       0       63.0%       0 <td>60.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>60.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>60.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>6</td>	60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		6
63.0%         0         0         0         0         63.0%         0         0         64.2%         0         <	61.7%	0	0	0		61.7%	0	0	0		61.7%	0	0	0		6
64.2%       0 <td>63.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>63.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>63.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>6</td>	63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		6
66.4%         0 <td>64.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>64.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>64.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>6</td>	64.2%	0	0	0		64.2%	0	0	0		64.2%	0	0	0		6
66.7%         0         0         0         0         66.7%         0         0         0           67.9%         0         0         0         0         0         0         0         0         0           61.1%         0	65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		6
67.9%       0 <td>66.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>66.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>66.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>6</td>	66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		6
61 %         0	67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		6
70.4%       0       0       70.4%       0	69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		6
1         0         1	70.4%	0	0	0		70.4%	0	0	ő		70.4%	0	Ő	0		7
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		7
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		7
1.1.6         0         1.1.8         0         0         1.1.8         0         <	7/ 1%	0	0	0		74.19/	0	0	0		74.1%	0	0	0		7
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	75 3%	0	0	0		75 39/	0	0	0		75.39/	0	0	0		7
1.0.5.4         0         0         7.0.5.4         0         <	76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		75
1/1.07x       0 </td <td>77 00/</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>70.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.00/</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>7</td>	77 00/	0	0	0		70.0%	0	0	0		77.00/	0	0	0		7
rsturk         u <td>11.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>7</td>	11.0%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		7
uu         u	19.0%	U	U	U		79.0%	U	U	U		79.0%	U	U	U		7
vi         vi<         vi	80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		8
\$27%         0         0         82.7%         0<	81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		8
94,0%         0         0         0         64,0%         0         0         64,0%         0         <	82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		8
65.2%         0         0         0         65.2%         0         0         65.2%         0         <	84.0%	0	0	0		84.0%	0	0	0		84.0%	0	0	0		8
86.4%         0         0         86.4%         0         0         0         66.4%         0         <	85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		8
97.7%         0         0         0         87.7%         0         0         87.7%         0         0         0         187.7%         0         0         0         187.7%         0	86.4%	0	0	0		86.4%	0	0	0		86.4%	0	0	0		8
88.9%         0 <td>87.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>87.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>87.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>8</td>	87.7%	0	0	0		87.7%	0	0	0		87.7%	0	0	0		8
0.0%         0	8.9%	0	0	0		88.9%	0	0	0		88.9%	0	0	0		8
91 4%       0 <td>90.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>90.1%</td> <td>0</td> <td>0</td> <td>ő</td> <td></td> <td>90.1%</td> <td>0</td> <td>Ő</td> <td>0</td> <td></td> <td>9</td>	90.1%	0	0	0		90.1%	0	0	ő		90.1%	0	Ő	0		9
0         0	91.4%	0	0	0		91 4%	0	0	0		91 4%	0	0	0		0
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	02.6%	0	0	0		02.6%	0	0	0		02.6%	0	0	0		9
30.5%         0 <td>02.070</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>32.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>92.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>9</td>	02.070	0	0	0		32.0%	0	0	0		92.0%	0	0	0		9
york         york <thyork< th="">         york         york         <thy< td=""><td>93.8%</td><td>0</td><td>U</td><td>0</td><td></td><td>93.8%</td><td>0</td><td>0</td><td>U</td><td></td><td>93.8%</td><td>0</td><td>0</td><td>U</td><td></td><td>9</td></thy<></thyork<>	93.8%	0	U	0		93.8%	0	0	U		93.8%	0	0	U		9
vs. vs.         v </td <td>95.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>95.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>95.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>9</td>	95.1%	0	0	0		95.1%	0	0	0		95.1%	0	0	0		9
yr.xx,         v <td>96.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>96.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>96.3%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>96</td>	96.3%	0	0	0		96.3%	0	0	0		96.3%	0	0	0		96
98.8% U U U 98.8% O O O 98.8% O O O	97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		9
	98.8%	0	0	0		98.8%	0	0	0		98.8%	0	0	0		9

Percent	No. Antina Altana "	Alternative D	Abashd	
Exceedance	No Action Alternative	Alternative B	Absolute Difference	Relative
(%)	(CFS)	(CFS)	(CFS)	Difference (%)
0.0%	5633	5253	-381	-6.8%
1.2%	4956	4949	-7	-0.1%
2.5%	4426	3392	-1034	-23.4%
3.7%	1331	1595	264	19.8%
4.9%	1271	1221	-50	-3.9%
6.2%	1147	1018	-129	-11.2%
7.4%	807	704	-102	-12.7%
8.6%	492	395	-97	-19.6%
9.9%	408	206	-203	-49.6%
11.1%	255	85	-171	-66.8%
12.3%	135	84	-51	-37.8%
13.6%	131	71	-60	-45.7%
14.8%	29	23	-6	-20.0%
16.0%	25	3	-22	-86.5%
17.3%	21	0	-21	-100.0%
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	
40.7 %	0	0	0	
40.9%	0	0	0	
40.1%	0	0	0	
50.6%	0	0	0	
51.0%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	õ	ō	õ	
58.0%	0	0	0	
59.3%	õ	ō	õ	
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	
10 070	U	U	U	

## Table SW-49-5b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		February					March					April					May		
Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute	
Exceedance	NO ACTION ALCOMATIVE	Alternative D	Difference	Relative	Exceedance	NO ACTION ALLEMANYE	Alternative D	Difference	Relative	Exceedance	No Action Alternative	Alternative D	Difference	Relative	Exceedance	No Action Alternative	Alternative D	Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	10266	(UFS)	072	7.0%	(%)	(UFS)	(CFS)	4	0.0%	(%)	(CFS)	(CFS)	0	0.0%	(%)	(CFS)	(CFS)	0	
1.0%	12300	6619	-972	-7.9%	0.0%	2106	7359	-1	10.0%	0.0%	000	172	111	20.1%	0.0%	0	0	0	
2.5%	6000	4040	61	0.0%	1.270	1250	2000	-390	-12.4 /0	1.2 /0	200	1/3	-111	*33.170	2.5%	0	0	0	
3.7%	2709	2445	-263	-9.7%	3.7%	994	993	-2.52	0.0%	3.7%	0	0	0	-34.370	3.7%	0	0	0	
4.9%	2005	1021	-205	-3.7 /0	1 9%	087	679	-308	-31.2%	4.0%	0	0	0		1 0%	0	0	0	
6.2%	1642	1267	-375	-22.8%	6.2%	737	585	-152	-20.6%	6.2%	0	0	0		6.2%	0	0	0	
7.4%	1220	1262	43	3.5%	7.4%	383	425	41	10.8%	7.4%	0	0	0		7.4%	0	0	0	
8.6%	957	895	-62	-6.5%	8.6%	322	222	-100	-31.1%	8.6%	0	0	0		8.6%	0	0	0	
9.9%	888	837	-51	-5.8%	9.9%	91	47	-44	-48.7%	9.9%	õ	õ	0		9.9%	õ	0	0	
11.1%	763	665	-98	-12.8%	11.1%	49	29	-20	-40.6%	11.1%	0	0	0		11.1%	0	0	0	
12.3%	391	293	-99	-25.2%	12.3%	0	0	0		12.3%	0	0	0		12.3%	0	0	0	
13.6%	120	77	-43	-35.8%	13.6%	0	0	0		13.6%	0	0	0		13.6%	0	0	0	
14.8%	63	75	12	19.3%	14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0	
16.0%	50	30	-20	-40.6%	16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0	
17.3%	41	23	-18	-44.5%	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	
34.0 %	0	0	0		34.0 %	0	0	0		34.0 %	0	0	0		34.0%	0	0	0	
35.6%	0	0	0		35.6%	0	0	0		35.6%	0	0	0		35.6%	0	0	0	
37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0	
30.5%	0	0	0		30.3%	0	0	0		30.3%	0	0	0		30.3%	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	Ő		50.6%	Ő	0	0		50.6%	0	0	0		50.6%	Ő	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	
09.1%	0	0	0		70.49/	0	0	0		09.1%	0	0	0		09.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	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		74.1%	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	ő		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	ő		81.5%	õ	0	0		81.5%	0	0	0		81.5%	õ	0	Ő	
82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0	
84.0%	0	õ	0		84.0%	õ	õ	ō		84.0%	õ	õ	0		84.0%	õ	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	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

#### Table SW-49-5b Ord Ferry Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Dama 1							,		
Percent	No Action Alternative	Alternative B	Absolute	Palativa	Percent	No Action Alternative	Alternative B	Absolute	Palative
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference
(%)	(CFS)	(CES)	(CFS)	Billerende (74)	(%)	(CES)	(CES)	(CFS)	Difference
0.0%	0	0	0		0.0%	0	0	0	
1.2%	Ő	0	Ő		1.2%	Ō	0	õ	
2.5%	0	0	0		2.5%	0	0	0	
3.7%	Ő	0	Ő		3.7%	Ō	0	õ	
4.9%	0	0	0		4.9%	0	0	0	
6.2%	0	0	0		6.2%	0	0	Ő	
7.4%	0	0	0		7.4%	0	0	0	
8.6%	0	0	0		8.6%	0	0	0	
9.9%	Ő	Ő	ő		9.9%	Ő	0	0	
11 1%	0	0	0		11 1%	0	0	0	
12.3%	0	0	0		12.3%	0	0	0	
12.5%	0	0	0		12.5%	0	0	0	
14.8%	0	0	0		14.8%	0	0	0	
16.0%	0	0	0		16.09/	0	0	0	
17.2%	0	0	0		17.29/	0	0	0	
17.3%	0	0	0		17.3%	0	0	0	
18.5%	0	0	0		18.5%	0	0	0	
19.8%	0	0	0		19.8%	0	0	0	
21.0%	0	0	0		21.0%	0	0	0	
22.2%	0	0	0		22.2%	0	0	0	
23.5%	0	0	0		23.5%	0	0	0	
24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	0	0		25.9%	0	0	0	
27.2%	0	0	0		27.2%	0	0	0	
28.4%	0	0	0		28.4%	0	0	0	
29.6%	0	0	0		29.6%	0	0	0	
30.9%	0	0	0		30.9%	0	0	0	
32.1%	0	0	0		32.1%	0	0	0	
33.3%	0	0	0		33.3%	0	0	0	
34.6%	0	0	0		34.6%	0	0	0	
35.8%	0	0	0		35.8%	0	0	0	
37.0%	0	0	õ		37.0%	0	0	õ	
38.3%	0	0	0		38.3%	0	0	0	
39.5%	0	0	ő		39.5%	0	0	0	
40.7%	0	0	0		40.7%	0	0	0	
42.0%	0	0	0		40.1%	0	0	0	
43.2%	0	0	0		43.2%	0	0	0	
43.276	0	0	0		43.270	0	0	0	
45.7%	0	0	0		45.7%	0	0	0	
46.0%	0	0	0		46.09/	0	0	0	
40.9%	0	0	0		40.9%	0	0	0	
40.1%	0	0	0		40.1%	0	0	0	
49.4%	0	0	0		49.4%	0	0	0	
50.6%	0	0	0		50.0%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0	
53.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	0		56.8%	0	0	0	
58.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0	
72.8%	0	0	0		72.8%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0	
75.3%	ő	Ő	ŏ		75.3%	ő	ő	ŏ	
76.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0	
79.0%	0	ő	0		79.0%	0	ő	0	
80.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81 5%	0	0	0	
82 70/	0	0	0		01.070	0	0	0	
84.0%	0	0	0		02.1%	0	0	0	
04.0%	0	0	0		04.0%	0	0	0	
05.2%	0	0	0		85.2%	0	0	0	
86.4%	U	U	U		86.4%	U	0	U	
87.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0	
05 40/	0	0	0		95.1%	0	0	0	
95.1%			-		96.3%	0	0	0	
95.1%	0	0	0		30.370	-	0	0	
95.1% 96.3% 97.5%	0	0	0		97.5%	0	0	0	
95.1% 96.3% 97.5% 98.8%	0 0 0	0 0 0	0		97.5% 98.8%	0	0	0	

luna

			August					September		
	Percent	No Action Alternative	Alternative P	Absolute		Percent	No Action Altornative	Alternative P	Absoluto	
Relative	Exceedance	NO ACTION AITEMATIVE	Alternative b	Difference	Relative	Exceedance	NO ACTION Alternative	Alternative B	Difference	Relative
Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
	(%)	(CFS)	(CFS)	(CFS)		(%)	(CFS)	(CFS)	(CFS)	
	0.0%	(111)	0	0		0.0%	(0.0)	0	0	
	1.2%	0	0	0		1 2%	0	0	Ő	
	0.5%	0	0	0		0.5%	0	0	0	
	2.3 /0	0	0	0		2.3 /0	0	0	0	
	3.7%	U	0	0		3.7%	U	0	0	
	4.9%	0	0	0		4.9%	0	0	0	
	6.2%	0	0	0		6.2%	0	0	0	
	7.4%	0	0	0		7.4%	0	0	0	
	8.6%	0	0	0		8.6%	0	0	0	
	9.9%	0	0	0		9.9%	0	0	0	
	11.1%	0	0	0		11.1%	0	0	0	
	12.3%	0	0	0		12.3%	0	0	0	
	13.6%	0	0	0		13.6%	0	0	0	
	14.8%	0	0	0		14.8%	ő	0	Ő	
	16.0%	0	0	0		16.0%	0	0	0	
	10.0%	0	0	0		10.0%	0	0	0	
	17.3%	0	0	0		17.3%	0	0	0	
	18.5%	0	0	0		18.5%	0	0	0	
	19.8%	0	0	0		19.8%	0	0	0	
	21.0%	0	0	0		21.0%	0	0	0	
	22.2%	0	0	0		22.2%	0	0	0	
	23.5%	0	0	0		23.5%	0	0	0	
	24.7%	0	0	0		24.7%	0	0	0	
	25.9%	0	0	0		25.9%	0	0	0	
	27.2%	0	0	0		27.2%	0	0	0	
	28.4%	0	0	0		28.4%	0	0	0	
	29.6%	0	0	0		29.6%	0	0	0	
	30.9%	Ő	ő	ő		30.9%	ő	Ő	0	
	32 1%	0	0	0		32 1%	0	0	0	
	33.30/	0	0	0		32.1/0	0	0	0	
	33.370	0	0	0		33.370	0	0	0	
	34.0%	0	0	0		34.0 %	0	0	0	
	35.8%	0	0	0		35.8%	0	0	0	
	37.0%	0	0	0		37.0%	0	0	0	
	38.3%	0	0	0		38.3%	0	0	0	
	39.5%	0	0	0		39.5%	0	0	0	
	40.7%	0	0	0		40.7%	0	0	0	
	42.0%	0	0	0		42.0%	0	0	0	
	43.2%	0	0	0		43.2%	0	0	0	
	44.4%	0	0	0		44.4%	0	0	0	
	45.7%	0	0	0		45.7%	0	0	0	
	46.9%	0	0	0		46.9%	0	0	0	
	48.1%	0	0	0		48.1%	0	0	0	
	49.4%	0	0	0		49.4%	0	0	0	
	50.6%	0	0	0		50.6%	0	0	0	
	51.9%	0	0	0		51.9%	0	0	0	
	53.1%	0	0	0		53.1%	0	0	0	
	54.3%	0	0	0		54.3%	0	0	0	
	55.6%	0	0	0		55.6%	0	0	0	
	56.8%	0	0	0		56.8%	0	0	0	
	58.0%	0	0	0		58.0%	0	0	0	
	59.3%	0	0	0		59.3%	0	0	0	
	60.5%	0	0	0		60.5%	0	0	0	
	61.7%	0	0	0		61.7%	0	0	0	
	63.0%	0	0	0		63.0%	0	0	0	
	64.2%	0	0	0		64.2%	0	0	0	
	65.4%	0	0	0		65.4%	0	0	0	
	66.7%	0	0	0		66.7%	0	0	0	
	67.9%	0	0	0		67.9%	0	0	0	
	69.1%	0	0	0		69.1%	0	0	0	
	70.4%	0	0	0		70.4%	0	0	0	
	71.6%	0	0	0		71.6%	0	0	0	
	72.8%	0	0	0		72.8%	0	0	0	
	74.1%	0	0	0		74.1%	0	0	0	
	75.3%	0	0	0		75.3%	0	0	0	
	76.5%	0	0	0		76.5%	0	0	0	
	77.8%	0	0	0		77.8%	0	0	0	
	79.0%	0	0	0		79.0%	0	0	0	
	80.2%	0	0	0		80.2%	0	0	0	
	81.5%	0	0	0		81.5%	0	0	0	
	82.7%	0	0	0		82.7%	0	0	0	
	84.0%	0	0	0		84.0%	0	0	0	
	85.2%	0	0	0		85.2%	0	0	0	
	86.4%	0	0	0		86.4%	0	0	0	
	87.7%	0	0	0		87.7%	0	0	0	
	88.9%	0	0	0		88.9%	0	0	0	
	90.1%	0	0	0		90.1%	0	0	0	
	91.4%	0	0	0		91.4%	0	0	0	
	92.6%	0	0	0		92.6%	0	0	0	
	93.8%	0	0	0		93.8%	0	0	0	
	95.1%	õ	ō	Ō		95.1%	ō	0	Ō	
	96.3%	0	0	0		96.3%	0	0	0	
	97.5%	õ	ō	Ō		97.5%	ō	0	Ō	
	98.8%	0	0	0		98.8%	0	0	0	
	100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

						anthly Di	amian (CE	2)						
Analysis Period	Oct	Nov	Dec	lan	M Feb	Onthiy Div Mar	Apr	5) Mav	lun	hul	Aug	Sor		
Analysis renou	001	1101	Dec	Lor	na-term	inai	Арі	may	oun	oui	Aug	001		
Full Simulation Period <sup>1</sup>				20.	ig term									
No Action Alternative	0	0	59	283	467	240	32	0	0	0	0	0		
Alternative B	0	0	67	265	439	216	27	0	0	0	0	0		
Difference	0	0	8	-19	-28	-24	-5	0	0	0	0	0		
Percent Difference <sup>3</sup>	0		13.9%	-6.5%	-6.0%	-9.9%	-14.6%	0	0	0	0	0		
				Water Y	ear Types	2								
Net (32%)														
Action Attemative 0 0 42 829 1367 690 83 0 0 0 0 0 emailer emailer B 0 0 49 789 1294 633 71 0 0 0 0 0														
Alternative B	0	0	49	789	1294	633	71	0	0	0	0	0		
Difference	0	0	8	-40	-73	-57	-12	0	0	0	0	0		
Percent Difference			18.3%	-4.9%	-5.3%	-8.3%	-14.0%							
Above Normal (15%)														
No Action Alternative	0	0	7	139	229	147	38	0	0	0	0	0		
Alternative B	0	0	15	98	190	108	32	0	0	0	0	0		
Difference	0	0	9	-41	-38	-39	-7	0	0	0	0	0		
Percent Difference			130.4%	-29.4%	-16.7%	-26.5%	-17.4%							
Below Normal (17%)														
No Action Alternative	0	0	94	1	0	0	0	0	0	0	0	0		
Alternative B	0	0	115	3	6	0	0	0	0	0	0	0		
Difference	0	0	21	1	6	0	0	0	0	0	0	0		
Percent Difference			22.0%	107.8%										
Dry (22%)														
No Action Alternative	0	0	130	0	0	0	0	0	0	0	0	0		
Alternative B	0	0	134	0	0	0	0	0	0	0	0	0		
Difference	0	0	4	0	0	0	0	0	0	0	0	0		
Percent Difference			3.2%											
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														





#### Figure SW-50-5b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

## Table SW-50-5b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Absolute Difference (CFS)

-169

-296 -184 -208 -285 230

-36 3 -69

-69 -182 -66 -68 -39 14 -147

-32 -8 -9

0

0

0

0

0

0

0

0

0 0

0

0.0

Relative Difference (%)

-3.1% -7.5% -5.0% -9.0% -17.2% 22.4% -3.6%

-3.6% 0.4% -11.6%

-11.6% -31.9% -14.9% -15.3% -9.5% 4.6% -69.1% -40.7% -14.6% -18.8% 41.3% 56.5%

Image         Image <th< th=""><th>-</th><th></th><th>October</th><th></th><th></th><th></th><th></th><th>November</th><th></th><th></th><th></th><th></th><th>December</th><th></th><th></th><th></th><th></th><th>January</th></th<>	-		October					November					December					January
	Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B
	Exceedance	No Action Alternative	Alternative D	<ul> <li>Difference</li> </ul>	Relative	Exceedance	No Action Alternative	Alternative D	- Difference	Relative	Exceedanc	e	Alternative D	<ul> <li>Difference</li> </ul>	Relative	Exceedance	No Action Alternative	Alternative D
	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	/ Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion
	(%)	(CFS)	(CFS)	(0.0)		(%)	(CFS)	(CFS)	(0.0)		(%)	(CFS)	(CFS)	(010)		(%)	(CFS)	(CFS)
	0.0%	0	0	0		0.0%	0	1	1		0.0%	1010	1101	90	9.0%	0.0%	5535	5366
	1.2%	0	0	0		1.2%	0	0	0		1.2%	1009	1086	11	7.7%	1.2%	3947	3652
	2.5%	0	0	0		2.5%	0	0	0		2.5%	969	978	9	0.9%	2.5%	3653	3468
	3.7%	0	0	0		3.7%	0	0	0		3.7%	839	932	93	11.1%	3.7%	2312	2104
	4.9%	0	0	0		4.9%	0	0	0		4.9%	494	523	30	6.0%	4.9%	1658	1373
	6.2%	0	0	0		6.2%	0	0	0		6.2%	351	434	83	23.6%	6.2%	1025	1255
	7.4%	0	0	0		7.4%	0	0	0		7.4%	/4	1/9	105	140.8%	7.4%	1003	967
	0.0%	0	0	0		0.0%	0	0	0		0.0%	23	145	92	175.3%	0.0%	690	693
	9.970	0	0	0		9.976	0	0	0		9.9 /0	20	75	40	170.0%	9.970	534	320
	12.3%	0	0	0		12.3%	0	0	0		12.3%	0	30	30		12.3%	446	379
	12.5%	0	0	0		12.5%	0	0	0		12.5%	0	0	0		12.570	444	376
	14.8%	0	0	0		14.8%	0	0	0		14.8%	0	0	0		14.8%	444	375
	16.0%	0	0	0		16.0%	0	0	0		16.0%	0	0	0		16.0%	200	202
	17.3%	0	0	0		17.3%	0	0	0		17.3%	0	0	0		17.3%	213	66
	18.5%	0	0	0		18.5%	0	0	0		18 5%	0	0	0		18.5%	77	46
Sixe         O         Sixe         Si	19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0		19.8%	53	40
	21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0		21.0%	47	38
	22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0		22.2%	26	37
	23.5%	0	0	Ő		23.5%	0	0	Ő		23.5%	0	0	0		23.5%	18	28
	24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0		24.7%	10	21
	25.9%	0	0	Ő		25.9%	0	0	Ő		25.9%	0	0	0		25.9%	0	0
	27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0	0		27.2%	0	0
1900         0         1900         19	28.4%	0	0	0		28.4%	0	Ő	Ő		28.4%	0	Ő	Ō		28.4%	0	0
BAP         0         33%         0         0         0         35%         0 </td <td>29.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>29.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>29.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>29.6%</td> <td>0</td> <td>0</td>	29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0	0		29.6%	0	0
32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       0       32.1%       0       0       0       32.1%       0       0       0       32.1%       0       0       0       32.1%       0       0       0       32.1%       0       0       32.1%       0       0       0       32.1%       0       0       0       32.1%       0       0       32.1%       0       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1%       0       0       32.1% <td>30.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>30.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>30.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>30.9%</td> <td>0</td> <td>0</td>	30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0	0		30.9%	0	0
33.7%         0         0         0         0         33.7%         0        0         0         0<	32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0	0		32.1%	0	0
Hor, O         O         John, O         O	33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0	0		33.3%	0	0
3h/k         0	34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0	0		34.6%	0	0
370%       0       0       0       370%       0       0       370%       0       0       370%       0       0       370%       0       0       0       370% <td>35.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>35.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>35.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>35.8%</td> <td>0</td> <td>0</td>	35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0	0		35.8%	0	0
38.7%         0 <td>37.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>37.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>37.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>37.0%</td> <td>0</td> <td>0</td>	37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0	0		37.0%	0	0
35%       0       0       35%       0       0       35%       0       0       35%       0       0       35%       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       35%       0       0       0       45%       0       0       0       45%       0       0       0       45%       0       0       0       45%       0       0       0       45%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0       15%       0       0       0	38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0	0		38.3%	0	0
db7x         0         0         db7x         0 </td <td>39.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>39.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>39.5%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>39.5%</td> <td>0</td> <td>0</td>	39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0	0		39.5%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0	0		40.7%	0	0
42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         42%         0         0         0         42%         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         42%         0         0         0         0         0         0         0         0         0         0	42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0	0		42.0%	0	0
44%       0       0       44%       0       0       0       0       0       0       0       0 <td>43.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>43.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>43.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>43.2%</td> <td>0</td> <td>0</td>	43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0	0		43.2%	0	0
#5.7%         0         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0         0         0         45.7%         0 <td>44.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>44.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>44.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>44.4%</td> <td>0</td> <td>0</td>	44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0	0		44.4%	0	0
42.9%       0       0       42.9%       0       0       42.9%       0       0       42.9%       0       0       0       43.9%       0	45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0	0		45.7%	0	0
#h         0         0         4h         0         0         4h         0         0         4h         0 <td>46.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>46.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>46.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>46.9%</td> <td>0</td> <td>0</td>	46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0	0		46.9%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0	0		48.1%	0	0
Stork         0 <td>49.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>49.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>49.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>49.4%</td> <td>0</td> <td>0</td>	49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0	0		49.4%	0	0
313%         0	50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0
x4 h         0	51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0
see         0	53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0
BBR         0	54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0	0		54.3%	0	0
Sob/k         0 <td>56.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>56.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>56.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>56.8%</td> <td>0</td> <td>0</td>	56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0	0		56.8%	0	0
193%         0         0         0         93%         0         0         93%         0         0         93%         0         0         93%         0         0         0         93%         0         0         0         93%         0	E9.0%	0	0	0		50.0%	0	0	0		50.0%	0	0	0		50.0%	0	0
000%         0         0         0         0         000%         0         0         000%         0	59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0	0		59.3%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0	0		60.5%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	61.7%	0	0	0		61.7%	ő	0	0		61.7%	ő	0	Ő		61.7%	ő	Ő
	63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0	0		63.0%	0	0
65.4%         0         0         0         65.4%         0         0         0         65.4%         0         <	64.2%	õ	õ	0		64.2%	0	õ	õ		64.2%	0	õ	0		64.2%	0	0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0	0		65.4%	0	0
67.9%         0         0         0         0         67.9%         0         0         0         67.9%         0         <	66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0	0		66.7%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0	0		67.9%	0	0
170.4%         0         0         0         70.4%         0         0         70.4%         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         71.6%         0         0         71.6%         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         71.6%         0         0         0         0         71.6%         0         0         0         0         71.6%         0         0         0         0         0         71.6%         0         0         0         0         71.6%         0         0         0         0         0 </td <td>69.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>69.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>69.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>69.1%</td> <td>0</td> <td>0</td>	69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0	0		69.1%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0	0		70.4%	0	0
72.8%         0         0         0         72.8%         0         0         72.8%         0         0         0         72.8%         0         0         0         72.8%         0         0         0         72.8%         0         0         0         73.3%         0         0         0         73.3%         0         0         0         73.3%         0         0         0         73.3%         0         0         0         73.3%         0         0         0         0         0         73.3%         0 <th< td=""><td>71.6%</td><td>0</td><td>0</td><td>0</td><td></td><td>71.6%</td><td>0</td><td>0</td><td>0</td><td></td><td>71.6%</td><td>0</td><td>0</td><td>0</td><td></td><td>71.6%</td><td>0</td><td>0</td></th<>	71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0	0		71.6%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0	0		72.8%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0	0		74.1%	0	0
77.8%         0         0         76.5%         0         0         76.5%         0         0         76.5%         0         0         76.5%         0         0         77.8%         0         0         0         77.8%         0         0         0         77.8%         0         0         0         77.8%         0         0         0         77.8%         0         0         0         77.8%         0         0         0         0         77.8%         0         0         0         0         78.9%         0	75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0	0		75.3%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0	0		76.5%	0	0
rybrs         u <td>77.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>77.8%</td> <td>0</td> <td>0</td>	77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0	0		77.8%	0	0
80.2%         0         0         0         0         80.2%         0	79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0	0		79.0%	0	0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0	0		80.2%	0	0
bl/shift         U<	81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0	0		81.5%	0	0
o+ 075         0 <td>82.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>82.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>82.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>82.7%</td> <td>0</td> <td>0</td>	82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0	0		82.7%	0	0
00.2%         0 <td>84.0%</td> <td>U</td> <td>0</td> <td>0</td> <td></td> <td>84.0%</td> <td>U</td> <td>U</td> <td>0</td> <td></td> <td>84.0%</td> <td>0</td> <td>U</td> <td>0</td> <td></td> <td>84.0%</td> <td>0</td> <td>U</td>	84.0%	U	0	0		84.0%	U	U	0		84.0%	0	U	0		84.0%	0	U
no. +7%         0 </td <td>85.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>85.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>85.2%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>85.2%</td> <td>0</td> <td>0</td>	85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0	0		85.2%	0	0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	00.4% 97 7%	U	U	0		86.4%	0	0	0		86.4%	U	U	0		86.4%	0	U
00.5%         0 <td>01.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>67.7%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>01.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>67.7%</td> <td>0</td> <td>0</td>	01.1%	0	0	0		67.7%	0	0	0		01.1%	0	0	0		67.7%	0	0
01.4%         0 <td>00.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>00.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>00.9%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>00.9%</td> <td>0</td> <td>0</td>	00.9%	0	0	0		00.9%	0	0	0		00.9%	0	0	0		00.9%	0	0
1.7.7.         0 <td>90.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>90.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>50.1% 01.4%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>90.1%</td> <td>0</td> <td>0</td>	90.1%	0	0	0		90.1%	0	0	0		50.1% 01.4%	0	0	0		90.1%	0	0
0         0	97.4%	0	0	0		02.6%	0	0	0		02.6%	0	0	0		02.6%	0	0
35.1%         0 <td>03.8%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>92.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>92.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>92.0 %</td> <td>0</td> <td>0</td>	03.8%	0	0	0		92.0%	0	0	0		92.0%	0	0	0		92.0 %	0	0
96.3%         0 <td>95.0%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>93.6%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>93.0% Q5.1%</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>95.0%</td> <td>0</td> <td>0</td>	95.0%	0	0	0		93.6%	0	0	0		93.0% Q5.1%	0	0	0		95.0%	0	0
Gr. 5         C <thc< th="">         C         <thc< th=""> <thc< th=""></thc<></thc<></thc<>	96.3%	0	0	0		96.3%	0	0	0		06.3%	0	0	0		96.3%	0	0
98.8%         0         0         0         98.8%         0         0         0         0         98.8%         0         <	97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0	0		97.5%	0	0
100.0% 0.0 0.0 0.0 100.0% 0.0 0.0 100.0% 0.0 0.0 100.0% 0.0 0.0 100.0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	98.8%	õ	õ	ŏ		98.8%	ŏ	õ	õ		98.8%	Ő	ŏ	ŏ		98.8%	õ	ő
	100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0

## Table SW-50-5b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		February			-		March					April					May		
Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute		Percent	No Action Alternative	Alternative B	Absolute	
Exceedance	Monthly Diversion	Monthly Diversion	Difference	Relative	Exceedance	Monthly Diversion	Monthly Diversion	Difference	Relative Difference (%)	Exceedance	Monthly Diversion	Monthly Diversion	Difference	Relative	Exceedance	Monthly Diversion	Monthly Diversion	Difference	Relative
(%)	(CFS)	(CFS)	(CFS)	Difference ( %)	(%)	(CFS)	(CES)	(CFS)	Difference (%)	(%)	(CFS)	(CFS)	(CFS)	Difference (%)	(%)	(CFS)	(CFS)	(CFS)	Difference (%)
0.0%	9355	8833	-522	-5.6%	0.0%	6639	6638	-1	0.0%	0.0%	1015	1016	0	0.0%	0.0%	0	0	0	
1.2%	9304	8740	-564	-6.1%	1.2%	5565	4842	-723	-13.0%	1.2%	737	576	-162	-21.9%	1.2%	0	0	0	
2.5%	5144	5086	-58	-1.1%	2.5%	1750	1401	-348	-19.9%	2.5%	459	379	-80	-17.4%	2.5%	0	0	0	
3.7%	3323	3070	-253	-7.6%	3.7%	1332	1154	-178	-13.4%	3.7%	227	116	-111	-48.9%	3.7%	0	0	0	
4.9%	1751	1732	-19	-1.1%	4.9%	1238	1138	-100	-8.1%	4.9%	96	96	0	-0.1%	4.9%	0	0	0	
6.2%	1559	1433	-126	-8.1%	6.2%	899	764	-135	-15.0%	6.2%	40	40	0	-0.1%	6.2%	0	0	0	
7.4%	1482	1381	-101	-6.8%	7.4%	664	497	-167	-25.1%	7.4%	36	7	-28	-79.4%	7.4%	0	0	0	
8.6%	1317	1315	-2	-0.1%	8.6%	469	469	0	0.0%	8.6%	0	0	0		8.6%	0	0	0	
9.9%	976	701	-96	-9.6%	9.9%	443	404	-40	-9.0%	9.9%	0	0	0		9.9%	0	0	0	
12.3%	682	541	-105	-13.0%	12.3%	412	50	-79	-19.2%	12.3%	0	0	0		12.3%	0	0	0	
13.6%	574	520	-45	-7.9%	13.6%	87	10	-68	-78.0%	13.6%	0	0	0		13.6%	0	0	0	
14.8%	510	517	-45	1.2%	14.8%	47	15	-33	-69.3%	14.8%	0	0	0		14.8%	0	0	0	
16.0%	466	374	-91	-19.6%	16.0%	34	8	-27	-77.7%	16.0%	0	0	0		16.0%	0	0	0	
17.3%	290	206	-84	-28.9%	17.3%	1	6	6		17.3%	õ	õ	0		17.3%	ō	ō	0	
18.5%	239	198	-40	-16.8%	18.5%	1	0	-1		18.5%	0	0	0		18.5%	0	0	0	
19.8%	236	158	-78	-33.1%	19.8%	0	0	0		19.8%	0	0	0		19.8%	0	0	0	
21.0%	118	93	-24	-20.7%	21.0%	0	0	0		21.0%	0	0	0		21.0%	0	0	0	
22.2%	101	78	-24	-23.5%	22.2%	0	0	0		22.2%	0	0	0		22.2%	0	0	0	
23.5%	38	67	29	74.4%	23.5%	0	0	0		23.5%	0	0	0		23.5%	0	0	0	
24.7%	14	46	32		24.7%	0	0	0		24.7%	0	0	0		24.7%	0	0	0	
25.9%	0	26	26		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	
29.0%	0	0	0		29.0%	0	0	0		29.0%	0	0	0		29.0%	0	0	0	
32.1%	0	0	0		30.9%	0	0	0		30.5%	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	ő		34.6%	0	0	0		34.6%	0	0	0	
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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	
40.1%	0	0	0		40.1%	0	0	0		40.1%	0	0	0		40.1%	0	0	0	
49.4 % 50.6%	0	0	0		49.4% 50.6%	0	0	0		50.6%	0	0	0		50.6%	0	0	0	
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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	
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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	
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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	
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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%	U	0	0		93.8%	U	0	0		93.8%	U	U	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	
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100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

## Table SW-50-5b Moulton Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

		June		
Percent	No Action Alternative	Alternative B	Absolute	Polotivo
Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%
(%)	(CFS)	(CFS)	(CFS)	
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	ő	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	Ő	0	Ő	
24.7%	0	0	0	
25.9%	Ō	0	Ő	
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	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	ő	
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65.4%	0	0	Ő	
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	
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Percent Exceedance Probability

Probabilit (%) 0.0% 1.2% 2.5% 3.7% 4.9% 6.2% 7.4%

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	outy			Doroont		Auguat			Dercent		Ceptember		
No Action Alternative	Alternative B	Absolute	Relative	Freedance	No Action Alternative	Alternative B	Absolute	Relative	Freedance	No Action Alternative	Alternative B	Absolute	Relative
Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	Difference	Difference (%)
(CFS)	(CFS)	(CFS)	Difference (70)	(%)	(CES)	(CFS)	(CFS)	Difference (70)	(%)	(CFS)	(CFS)	(CFS)	Difference (74)
(010)	(010)	0		0.0%	(010)	(010)	0		0.0%	(010)	(010)	0	
0	0	0		1.2%	0	0	Ő		1.2%	0	0	0	
0	0	0		2.5%	0	0	0		2.5%	0	0	0	
Ō	Õ	Ō		3.7%	Ő	Ő	ō		3.7%	Ő	Ō	õ	
0	0	0		4.9%	0	0	0		4.9%	0	0	0	
Ō	Ő	0		6.2%	0	Ő	Ō		6.2%	0	0	õ	
0	0	0		7.4%	0	0	0		7.4%	0	0	0	
0	0	0		8.6%	0	0	0		8.6%	0	0	0	
0	0	0		9.9%	0	0	0		9.9%	0	0	õ	
0	0	0		11.1%	0	0	0		11.1%	0	0	0	
0	0	0		12.3%	0	0	0		12.3%	0	0	õ	
0	0	0		13.6%	0	0	0		13.6%	0	0	0	
0	0	0		14.8%	0	0	0		14.8%	0	0	0	
0	0	0		16.0%	0	0	0		16.0%	0	0	0	
ő	0	ő		17.3%	ů	0	ő		17.3%	Ő	ő	0	
0	0	0		18.5%	0	0	0		18.5%	0	0	0	
0	0	0		19.8%	0	ő	0		19.8%	0	0	0	
0	0	0		21.0%	0	0	Ő		21.0%	0	0	0	
0	0	0		22.2%	0	0	0		22.2%	0	0	0	
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0	0	0		24.7%	0	0	0		24.7%	0	0	0	
0	ő	ő		25.9%	0	0	ő		25.9%	0	ő	ő	
0	0	0		27.2%	0	0	0		27.2%	0	0	0	
0	0	0		28.4%	0	0	0		28.4%	0	0	0	
0	0	0		29.6%	0	0	0		29.6%	0	0	0	
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ő	õ	ŏ		32.1%	õ	õ	õ		32.1%	ŏ	ŏ	õ	
0	0	0		33.3%	0	0	0		33.3%	0	0	0	
Ő	ő	õ		34.6%	õ	ő	õ		34.6%	õ	ő	õ	
0	0	0		35.8%	0	0	0		35.8%	0	0	0	
0	0	0		37.0%	0	0	0		37.0%	0	0	0	
0	0	0		38.3%	0	0	0		38.3%	0	0	0	
0	õ	0		39.5%	õ	õ	0		39.5%	0	0	0	
0	0	0		40.7%	0	0	0		40.7%	0	0	0	
õ	õ	õ		42.0%	õ	õ	ō		42.0%	õ	õ	õ	
Ō	Õ	Ō		43.2%	Ő	Ő	ō		43.2%	Ő	Ō	õ	
0	0	0		44.4%	0	0	0		44.4%	0	0	0	
Ō	Õ	Ō		45.7%	Ő	Ő	ō		45.7%	Ő	Ō	õ	
0	0	0		46.9%	0	0	0		46.9%	0	0	0	
0	0	0		48.1%	0	0	0		48.1%	0	0	0	
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0	0	0		51.9%	0	0	0		51.9%	0	0	0	
0	0	0		53.1%	0	0	0		53.1%	0	0	0	
0	0	0		54.3%	0	0	0		54.3%	0	0	0	
0	0	0		55.6%	0	0	0		55.6%	0	0	0	
0	0	0		56.8%	0	0	0		56.8%	0	0	0	
0	0	0		58.0%	0	0	0		58.0%	0	0	0	
0	0	0		59.3%	0	0	0		59.3%	0	0	0	
0	0	0		60.5%	0	0	0		60.5%	0	0	0	
0	0	0		61.7%	0	0	0		61.7%	0	0	0	
0	0	0		63.0%	0	0	0		63.0%	0	0	0	
0	0	0		64.2%	0	0	0		64.2%	0	0	0	
0	0	0		65.4%	0	0	0		65.4%	0	0	0	
0	0	0		66.7%	0	0	0		66.7%	0	0	0	
0	0	0		67.9%	0	0	0		67.9%	0	0	0	
0	0	0		69.1%	0	0	0		69.1%	0	0	0	
0	0	0		70.4%	0	0	0		70.4%	0	0	0	
0	0	0		71.6%	0	0	0		71.6%	0	0	0	
0	0	0		72.8%	0	0	0		72.8%	0	0	0	
0	0	0		74.1%	0	0	0		74.1%	0	0	0	
0	0	0		75.3%	0	0	0		75.3%	0	0	0	
U	U	0		76.5%	U	U	0		/6.5%	U	U	U	
0	0	0		77.8%	0	0	0		77.8%	0	0	0	
U	U	0		79.0%	U	U	0		79.0%	U	U	U	
0	0	0		80.2%	0	0	0		80.2%	0	0	0	
U	U	0		81.5%	U	U	U		81.5%	U	U	U	
0	0	0		82.7%	0	0	0		82.7%	0	0	0	
0	U	0		84.0%	U	U	0		84.0%	U	U	0	
0	0	0		85.2%	0	0	0		85.2%	0	0	0	
0	U	0		86.4%	U	U	0		86.4%	U	U	0	
0	0	0		87.7%	0	0	0		87.7%	0	0	0	
0	U	0		88.9%	U	U	0		88.9%	U	U	0	
0	0	0		90.1%	0	0	0		90.1%	0	0	0	
0	U	0		91.4%	U	U	0		91.4%	0	U	0	
0	0	0		92.6%	0	0	0		92.0%	0	0	0	
0	0	0		93.8%	0	0	0		93.0%	0	0	0	
0	0	0		30.1% 06.3%	0	0	0		90.1%	0	0	0	
0	0	0		90.3%	0	0	0		90.3%	0	0	0	
0	0	0		97.5% Q8 8%	0	0	0		97.5%	0	0	0	
0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	
0.0	0.0	0.0		100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

		Long-		aye anu r	weiage b	Water re	aiiype	-				
			_		M	onthly Div	ersion (CF	S)				
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep
na na secondaria da secondaria				Lor	ng-term							
Full Simulation Period	7	400	4000	2047	6700	2502	4474	<b>C</b> 0	40	0	0	
No Action Alternative	,	120	1329	3917	5723	3523	11/4	60	19	0	0	0
Alternative B	9	120	1434	3645	5456	3232	1060	54	10	0	0	0
Difference	3	1	105	-72	-267	-290	-94	-14	-1	0	0	0
Percent Dimerence"			7.9%	-1.8%	-4.7%	-8.2%	-8.0%					
				water r	ear rypes							
Wet (32%)	0	35	1202	0056	14022	8607	3105	128	61	0	0	0
Alternative P	0	30 62	1292	10021	13720	8104	2043	103	58	0	0	0
Difference		02	1000	10021	13723	0104	2343	105	50	0		
Percent Difference	0	27	107	65	-293	-503	-252	-25	-3	0	0	0
Above Normal (15%)			0.3%	0.7%	-2.1%	-0.6%	-7.9%					
No Action Alternative	0	589	1240	3961	5888	4959	997	187	0	0	0	0
Alternative B	ů 0	553	1192	3486	5371	4347	927	149	0	0	0	0
Difference	ő	26	49	475	517	612	70	20	0	0	0	0
Percent Difference	0	-6.1%	-3.0%	-12.0%	-8.8%	-12 3%	-7 1%	-30	0	U	0	0
Below Normal (17%)		-0.170	-3.370	-12.070	-0.070	-12.370	-1.170	-20.470				
No Action Alternative	40	75	1613	716	1433	83	89	0	0	0	0	0
Alternative B	55	75	1838	709	1080	16	68	0	0	0	0	0
Difference	15	0	226	-7	-353	-67	-21	0	0	0	0	0
Percent Difference	37.4%	0.4%	14.0%	-1.0%	-24 7%	-80.2%	-24.0%	-	-	-	-	-
Dry (22%)	51.170	2.170			2	22.270						
No Action Alternative	0	75	2090	256	768	245	0	0	0	0	0	0
Alternative B	0	65	2269	163	599	108	0	0	0	0	0	0
Difference	0	-10	179	-93	-169	-137	0	0	0	0	0	0
Percent Difference		-13.3%	8.6%	-36.3%	-22.1%	-55.9%						
Critical (15%)												
No Action Alternative	0	0	29	14	13	0	0	0	0	0	0	0
Alternative B	0	0	29	3	9	0	0	0	0	0	0	0
Difference	0	0	0	-11	-4	0	0	0	0	0	0	0
Percent Difference			-1.0%	-79.5%	-32.8%							

3 Relative difference of the monthly average



#### Figure SW-51-5b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance



## Table SW-51-5b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

-		October			-		November		TTODADI	ity of Exceedance	<i>,</i> 0		December					January		
Percent	No Action Alternative	Alternative P	Absolute		Percent	No Action Alternative	Alternative P	Absolute		Pe	ercent	No Action Alternative	Alternative P	Absolute		Percent	No Action Alternative	Altomativa P	Absolute	
Exceedance	NO ACTION Alternative	Alternative B	- Difference	Relative	Exceedance	NO ACTION Alternative	Alternative B	Difference	Relative	Exce	eedance _	NO ACTION Alternative	Alternative B	- Difference	Relative	Exceedance	NO ACTION Alternative	Alternative B	- Difference	Relative
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Prot	bability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	(CFS)	(CFS)	(8.8)		(%)	(CFS)	(CFS)	(0.0)			(%)	(CFS)	(CFS)	(0:0)		(%)	(CFS)	(CFS)	(0.0)	
0.0%	559	768	209	37.4%	0.0%	7065	6633	-432	-6.1%	0	0.0%	19690	20915	1225	6.2%	0.0%	34396	34830	434	1.3%
1.2%	0	0	0		1.2%	1342	1188	-154	-11.5%	1	1.2%	15339	14219	-1119	-7.3%	1.2%	30467	30895	428	1.4%
2.5%	0	0	0		2.5%	1052	1164	112	10.6%	2	2.5%	9438	12230	2792	29.6%	2.5%	29120	30022	902	3.1%
3.1%	0	0	0		3.1%	202	245	4/1	00.4%	3	3.7% 1.0%	9260	9007	407	4.4%	3.1%	24930	240/0	-60	-0.2%
6.2%	0	0	0		4.9%	0	77	20	0.3%	4	+.3%	8205	9220	002	11 0%	4.3%	21293	10610	-1307	-6.2%
7.4%	0	0	0		7.4%	0	0	0		7	7 1%	7520	6528	-1001	-13.3%	7.4%	10015	10/02	387	2.0%
8.6%	0	0	0		8.6%	0	0	0		8	R 6%	3842	4817	974	25.4%	8.6%	18640	18486	-155	-0.8%
9.9%	0	0	0		9.9%	0	0	0		9	9.0%	3410	4511	1101	32.3%	9.9%	11980	11751	-133	-1.9%
11 1%	0	0	0		11 1%	0	0	0		11	1 1%	3381	4242	861	25.5%	11 1%	11956	10964	-993	-8.3%
12.3%	0	0	0		12.3%	0	0	0		12	2.3%	3364	3392	29	0.8%	12.3%	10544	10245	-300	-2.8%
13.6%	0	0	0		13.6%	0	0	0		13	3.6%	3262	3209	-53	-1.6%	13.6%	10025	10055	31	0.3%
14.8%	0	õ	õ		14.8%	õ	õ	ō		14	4.8%	2761	3028	267	9.7%	14.8%	9226	10037	810	8.8%
16.0%	0	0	0		16.0%	0	0	0		16	6.0%	1997	2925	928	46.4%	16.0%	8577	9567	991	11.5%
17.3%	0	0	0		17.3%	0	0	0		17	7.3%	1931	2692	761	39.4%	17.3%	8270	7586	-684	-8.3%
18.5%	0	0	0		18.5%	0	0	0		18	8.5%	1632	2157	525	32.1%	18.5%	7295	7180	-115	-1.6%
19.8%	0	0	0		19.8%	0	0	0		19	9.8%	1364	1377	12	0.9%	19.8%	6835	5622	-1214	-17.8%
21.0%	0	0	0		21.0%	0	0	0		21	1.0%	840	755	-86	-10.2%	21.0%	5815	5490	-325	-5.6%
22.2%	0	0	0		22.2%	0	0	0		22	2.2%	727	520	-206	-28.4%	22.2%	4988	4439	-549	-11.0%
23.5%	0	0	0		23.5%	0	0	0		23	3.5%	722	478	-244	-33.8%	23.5%	4592	4247	-346	-7.5%
24.7%	0	0	0		24.7%	0	0	0		24	4.7%	444	335	-108	-24.4%	24.7%	3793	3865	72	1.9%
25.9%	0	0	0		25.9%	0	0	0		25	5.9%	338	326	-12	-3.6%	25.9%	3788	2490	-1298	-34.3%
27.2%	0	0	0		27.2%	0	0	0		27	7.2%	270	261	-9	-3.3%	27.2%	2797	2286	-511	-18.3%
28.4%	0	0	0		28.4%	0	0	0		28	8.4%	167	243	76	45.8%	28.4%	2342	2146	-196	-8.4%
29.6%	0	0	0		29.6%	0	0	0		29	9.6%	136	165	29	21.2%	29.6%	2254	1973	-281	-12.5%
30.9%	0	0	0		30.9%	0	0	0		30	0.9%	96	114	18	18.9%	30.9%	1865	1586	-278	-14.9%
32.1%	0	0	0		32.1%	0	0	0		32	2.1%	79	74	-5	-6.9%	32.1%	1582	1351	-232	-14.6%
33.3%	0	0	0		33.3%	0	0	0		30	3.3%	72	49	-22	-30.9%	33.3%	1034	796	-238	-23.0%
34.6%	0	0	0		34.6%	0	0	0		34	4.6%	7	14	6		34.6%	821	773	-48	-5.9%
35.8%	0	0	0		35.8%	0	0	0		38	5.8%	0	7	7		35.8%	691	614	-77	-11.1%
37.0%	0	0	0		37.0%	0	0	0		31	7.0%	0	0	0		37.0%	493	5/4	81	16.5%
38.3%	0	0	0		38.3%	0	0	0			8.3%	0	0	0		38.3%	283	198	-85	-30.0%
39.5%	0	0	0		39.5%	0	0	0		35	9.5%	0	0	0		39.5%	244	141	-103	-42.1%
40.7%	0	0	0		40.7%	0	0	0		40	0.7%	0	0	0		40.7%	07	120	62	
42.0%	0	0	0		42.0%	0	0	0		42	2.0%	0	0	0		42.0%	97	35	-02	
43.276	0	0	0		43.270	0	0	0		4	3.270 A A9/	0	0	0		43.270	10	0	-75	
44.4 %	0	0	0		44.470	0	0	0		4	5 7%	0	0	0		44.470	0	0	-10	
45.7 %	0	0	0		40.7 %	0	0	0		40	G.176	0	0	0		40.7 %	0	0	0	
40.9%	0	0	0		40.9%	0	0	0		40	8 1%	0	0	0		40.9%	0	0	0	
40.1%	0	0	0		40.1%	0	0	0			0.1%	0	0	0		40.1%	0	0	0	
50.6%	0	0	0		50.6%	0	0	0		50	0.6%	0	0	0		50.6%	0	0	0	
51.9%	0	0	0		51.9%	0	0	0		51	1.9%	0	0	0		51.9%	0	0	0	
53.1%	0	Ő	0		53.1%	0	0	ő		51	3.1%	0	0	0		53.1%	0	0	0	
54.3%	0	0	0		54.3%	0	0	0		54	4.3%	0	0	ő		54.3%	0	0	0	
55.6%	0	0	0		55.6%	0	0	0		55	5.6%	0	0	0		55.6%	0	0	0	
56.8%	0	0	õ		56.8%	ō	Ō	0		56	6.8%	0	ō	ō		56.8%	ō	0	õ	
58.0%	0	0	0		58.0%	0	0	0		58	8.0%	0	0	0		58.0%	0	0	0	
59.3%	0	0	0		59.3%	0	0	0		59	9.3%	0	0	0		59.3%	0	0	0	
60.5%	0	0	0		60.5%	0	0	0		60	0.5%	0	0	0		60.5%	0	0	0	
61.7%	0	0	0		61.7%	0	0	0		61	1.7%	0	0	0		61.7%	0	0	0	
63.0%	0	0	0		63.0%	0	0	0		63	3.0%	0	0	0		63.0%	0	0	0	
64.2%	0	0	0		64.2%	0	0	0		64	4.2%	0	0	0		64.2%	0	0	0	
65.4%	0	0	0		65.4%	0	0	0		65	5.4%	0	0	0		65.4%	0	0	0	
66.7%	0	0	0		66.7%	0	0	0		66	6.7%	0	0	0		66.7%	0	0	0	
67.9%	0	0	0		67.9%	0	0	0		67	7.9%	0	0	0		67.9%	0	0	0	
69.1%	0	0	0		69.1%	0	0	0		69	9.1%	0	0	0		69.1%	0	0	0	
70.4%	0	0	0		70.4%	0	0	0		/(	0.4%	0	0	0		70.4%	0	0	0	
71.6%	0	0	0		71.6%	0	0	0		7	1.6%	0	0	0		71.6%	0	0	0	
72.0%	0	0	0		72.0%	0	0	0		74	2.0 /0	0	0	0		72.0%	0	0	0	
74.1%	0	0	0		74.1%	0	0	0		74	4.1%	0	0	0		74.1%	0	0	0	
76.5%	0	0	0		76.5%	0	0	0		76	6.5%	0	0	0		76.5%	0	0	0	
77.8%	0	0	0		77.8%	0	0	0		77	7.8%	0	0	0		77.8%	0	0	0	
79.0%	0	0	0		79.0%	0	0	0		70	9.0%	0	0	0		79.0%	0	0	0	
80.2%	0	0	0		80.2%	0	0	0		80	0.2%	0	0	0		80.2%	0	0	0	
81.5%	0	0	0		81.5%	õ	0	0		81	1.5%	0	0	ő		81.5%	0	0	0	
82.7%	0	0	0		82.7%	0	0	0		82	2.7%	0	0	0		82.7%	0	0	0	
84.0%	ō	õ	õ		84.0%	õ	0	ō		84	4.0%	õ	õ	ō		84.0%	õ	0	õ	
85.2%	Ō	0	Ō		85.2%	ō	0	Ó		85	5.2%	0	0	0		85.2%	Ō	Ó	ō	
86.4%	0	0	0		86.4%	0	0	0		86	6.4%	0	0	0		86.4%	0	0	0	
87.7%	0	0	0		87.7%	0	0	0		87	7.7%	0	0	0		87.7%	0	0	0	
88.9%	0	0	0		88.9%	0	0	0		88	8.9%	0	0	0		88.9%	0	0	0	
90.1%	0	0	0		90.1%	0	0	0		90	0.1%	0	0	0		90.1%	0	0	0	
91.4%	0	0	0		91.4%	0	0	0		91	1.4%	0	0	0		91.4%	0	0	0	
92.6%	0	0	0		92.6%	0	0	0		92	2.6%	0	0	0		92.6%	0	0	0	
93.8%	0	0	0		93.8%	0	0	0		93	3.8%	0	0	0		93.8%	0	0	0	
95.1%	0	0	0		95.1%	0	0	0		95	5.1%	0	0	0		95.1%	0	0	0	
96.3%	0	0	0		96.3%	0	0	0		96	6.3%	0	0	0		96.3%	0	0	0	
97.5%	0	0	0		97.5%	0	0	0		97	7.5%	0	0	0		97.5%	0	0	0	
98.8%	0	0	0		98.8%	0	0	0		98	8.8%	0	0	0		98.8%	0	0	0	
100.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0		10	0.0%	0.0	0.0	0.0		100.0%	0.0	0.0	0.0	

#### Table SW-51-5b Colusa Weir Spills into Sutter Bypass, Monthly Diversion Probability of Exceedance

Dereent		rebluary			Baraant		March			Demont		April			Dercent		may		
Feicent	No Action Alternative	Alternative B	Absolute	Polativa	Feicent	No Action Alternative	Alternative B	Absolute	Polativa	Feiceilt	No Action Alternative	Alternative B	Absolute	Deletive	Fercent	No Action Alternative	Alternative B	Absolute	Deletive
Exceedance	Manthly Diversion	Manthly Diversion	Difference	Difference (0()	Exceedance	Manthly Dissertion	Manthly Diversion	Difference	Difference (III)	Exceedance	Manthly Diversion	Manthly Diversion	<ul> <li>Difference</li> </ul>	Difference (N)	Exceedance	Marathly Diversion	Manthly Dissertion	<ul> <li>Difference</li> </ul>	Difference (0()
Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	wonthly Diversion	wonthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)	Probability	Monthly Diversion	Monthly Diversion	(CFS)	Difference (%)
(%)	(CFS)	(CFS)		1.00/	(%)	(CFS)	(CFS)		0.00/	(%)	(CFS)	(CFS)	1075	11.10/	(%)	(CFS)	(CFS)	. ,	17.00/
0.0%	53046	52404	-641	-1.2%	0.0%	46969	46966	-2	0.0%	0.0%	17385	15410	-1975	-11.4%	0.0%	2239	1859	-380	-17.0%
1.2%	49189	48022	-1166	-2.4%	1.2%	34582	33273	-1310	-3.8%	1.2%	13969	13675	-293	-2.1%	1.2%	1860	1783	-77	-4.2%
2.5%	33038	33472	434	1.3%	2.5%	31132	28523	-2609	-8.4%	2.5%	13675	12688	-987	-7.2%	2.5%	1459	806	-653	-44.7%
3.7%	30755	30168	-586	-1.9%	3.7%	23411	23341	-70	-0.3%	3.7%	12966	11009	-1956	-15.1%	3.7%	0	0	0	
4.9%	26703	26287	-416	-1.6%	4.9%	17043	16994	-49	-0.3%	4.9%	10049	10055	6	0.1%	4.9%	0	0	0	
6.2%	22915	23094	178	0.8%	6.2%	16703	16788	85	0.5%	6.2%	9208	8349	-859	-9.3%	6.2%	0	0	0	
7.4%	18664	22591	3927	21.0%	7.4%	14755	13859	-896	-6.1%	7.4%	5026	5025	-1	0.0%	7.4%	0	0	0	
8.6%	17950	17226	-724	-4.0%	8.6%	12737	11669	-1068	-8.4%	8.6%	2869	2987	118	4.1%	8.6%	0	0	0	
9.9%	17925	16632	-1292	-7.2%	9.9%	11398	9854	-1544	-13.5%	9.9%	1890	2038	148	7.8%	9.9%	0	0	0	
11.1%	17625	16529	-1096	-6.2%	11 1%	10899	9189	-1710	-15.7%	11 1%	1857	1432	-425	-22.9%	11 1%	0	0	0	
12.3%	17461	14677	-2784	-15.9%	12.3%	10493	8984	-1509	-14.4%	12.3%	1459	1343	-115	-7.9%	12.3%	Ő	Ő	ő	
13.6%	15072	1/328	-1644	-10.3%	13.6%	6055	5538	-517	-8.5%	13.6%	1283	1250	-24	-1.0%	13.6%	0	0	0	
14.00/	10672	12059	200	2 10/	14.00/	6000	4761	-517	16.0%	14.99/	1200	1200	-24	-1.370	14.99/	0	0	0	
14.0 %	12039	13030	399	0.00/	14.0 /0	5729	4701	-900	-10.9 %	14.0 %	1239	1240	-11	*0.0%	14.0 /0	0	0	0	
10.0%	11444	10319	-1125	-9.6%	10.0%	5270	4201	-969	-10.0%	10.0%	1251	951	-300	-24.0%	10.0%	0	0	0	
17.3%	11105	9909	-1137	-10.2%	17.3%	4505	3630	-669	-14.6%	17.3%	1206	712	-494	-41.0%	17.3%	U	0	0	
18.5%	9984	9574	-409	-4.1%	18.5%	4280	3797	-483	-11.3%	18.5%	659	230	-429	-65.1%	18.5%	0	0	0	
19.8%	9724	9370	-354	-3.6%	19.8%	4180	3500	-680	-16.3%	19.8%	213	167	-46	-21.6%	19.8%	0	0	0	
21.0%	9497	9153	-344	-3.6%	21.0%	3669	3037	-632	-17.2%	21.0%	48	0	-48		21.0%	0	0	0	
22.2%	7924	7403	-521	-6.6%	22.2%	3346	2473	-873	-26.1%	22.2%	10	0	-10		22.2%	0	0	0	
23.5%	7401	7219	-181	-2.4%	23.5%	3001	2454	-547	-18.2%	23.5%	0	0	0		23.5%	0	0	0	
24.7%	7267	6480	-787	-10.8%	24.7%	2925	2416	-508	-17.4%	24.7%	0	0	0		24.7%	0	0	0	
25.9%	5435	6245	810	14.9%	25.9%	2758	2121	-637	-23.1%	25.9%	0	0	0		25.9%	0	0	0	
27.2%	5428	5016	-413	-7.6%	27.2%	2475	1777	-698	-28.2%	27.2%	0	0	0		27.2%	0	0	0	
28.4%	5342	4888	-454	-8.5%	28.4%	1861	1243	-618	-33.2%	28.4%	0	0	0		28.4%	0	0	0	
29.6%	5275	4375	-901	-17.1%	29.6%	1574	917	-656	-41 7%	29.6%	0	0	0		29.6%	0	0	0	
30.0%	5208	3521	-1687	-32.4%	30.0%	1130	852	-287	-25.2%	30.9%	0	ő	0		30.0%	0	0	0	
32.1%	4943	2776	-2168	-43.9%	32.1%	1074	684	-207	-26.3%	32.1%	0	0	0		32.1%	0	0	0	
32.1%	4545	2770	-2100	*43.9%	32.1%	10/4	004	-390	-30.3 %	32.170	0	0	0		32.170	0	0	0	
33.3%	300/	2005	-1061	-28.9%	33.3%	917	011	-306	-33.4%	33.3%	0	0	0		33.3%	0	0	0	
34.0%	2763	2444	-339	-12.2%	34.0%	054	305	-346	-53.3%	34.0%	0	U	0		34.6%	U	0	0	
35.8%	2667	2115	-552	-20.7%	35.8%	590	267	-323	-54.8%	35.8%	0	0	0		35.8%	0	0	0	
37.0%	2603	2023	-580	-22.3%	37.0%	571	216	-356	-62.2%	37.0%	0	0	0		37.0%	0	0	0	
38.3%	2391	1997	-394	-16.5%	38.3%	477	165	-312	-65.5%	38.3%	0	0	0		38.3%	0	0	0	
39.5%	2311	1851	-460	-19.9%	39.5%	421	157	-265	-62.8%	39.5%	0	0	0		39.5%	0	0	0	
40.7%	2307	1682	-625	-27.1%	40.7%	400	126	-274	-68.4%	40.7%	0	0	0		40.7%	0	0	0	
42.0%	1990	1638	-352	-17.7%	42.0%	369	66	-303	-82.2%	42.0%	0	0	0		42.0%	0	0	0	
43.2%	1940	1541	-398	-20.5%	43.2%	202	0	-202	-100.0%	43.2%	0	0	0		43.2%	0	0	0	
44.4%	1906	1232	-674	-35.4%	44.4%	196	0	-196	-100.0%	44.4%	0	0	0		44.4%	0	0	0	
45.7%	1681	838	-843	-50.1%	45.7%	48	0	-48		45.7%	0	0	0		45.7%	0	0	0	
46.9%	983	834	-149	-15.1%	46.9%	39	0	-39		46.9%	0	0	0		46.9%	0	0	0	
48.1%	553	465	-88	-15.9%	48.1%	1	0	-1		48.1%	0	0	0		48.1%	0	0	0	
49.4%	534	426	-108	-20.2%	10.1%	0	0			40.1%	0	0	0		40.1%	0	0	Ő	
F0.6%	409	209	100	20.1%	F0.6%	0	0	0		40.470 E0.6%	0	0	0		F0 69/	0	0	0	
50.0%	450	004	-100	-20.170	50.070	0	0	0		50.0%	0	0	0		54.00/	0	0	0	
51.9%	290	201	-9	-3.2%	51.9%	0	0	0		51.9%	0	0	0		51.9%	0	0	0	
53.1%	100	144	-10		53.1%	0	0	0		53.1%	0	0	0		53.1%	0	0	0	
54.3%	145	106	-3/		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	Ő		72.8%	0	0	0	
7/ 1%	0	0	0		74 1%	0	0	0		74 1%	0	0	0		74 1%	0	0	0	
75.3%	0	ő	0		75.3%	0	0	0		75.3%	0	ő	0		75.3%	0	0	0	
76.5%	ő	ő	0		76.5%	0	ő	0		76.5%	0	ő	0		76.5%	ő	0	0	
77.99/	0	0	0		77.99/	0	0	0		77.99/	0	0	0		77.99/	0	0	0	
77.6%	0	0	0		77.6%	0	0	0		77.6%	0	0	0		77.6%	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%	U	U	U		81.5%	U	U	U		81.5%	U	U	U		81.5%	U	U	U	
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	ů.	ő		95.1%	ñ	0	ő		95.1%	ů.	ñ	ő		95.1%	n n	ů.	ñ	
96.3%	0	0	0		96.3%	Ő	0	0		96.3%	0	0	0		96.3%	ő	0	0	
97.5%	0	0	0		97 5%	0	0	0		97.5%	0	0	0		97 5%	0	0	0	
08.8%	0	0	0		08.8%	0	0	0		08.8%	0	0	0		97.5%	0	0	0	
90.070	U	U	U		30.0%	v	U	U		30.0%	U	U	U		30.0%	U	v	U	