Appendix C

Supplemental Modeling Requested by State Water Resources Control Board Related to Increased Delta Outflows

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C.1 Introduction and Purpose of the Supplemental Modeling

The State Water Resources Control Board (State Water Board) is expected to issue discretionary approvals considered a "project" under California Environmental Quality Act (CEQA), and therefore, the State Water Board is identified as a Responsible Agency for purposes of California Department of Water Resources (DWR's) CEQA document. DWR prepared the Bay Delta Conservation Plan (BDCP) Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) and this Partially Recirculated Environmental Impact Report/Supplemental Environmental Impact Statement (RDEIR/SDEIS) in consideration of the State Water Board and other Responsible Agency approvals and specifically included Alternative 8 in the BDCP Draft EIR/EIS at the request of State Water Board. However, as with many Responsible Agencies, the State Water Board's consideration of the proposed project is not limited to the scope of the CEQA analysis and the State Water Board water right approval process may require consideration of issues beyond that required in CEQA. Therefore, at the request of State Water Board staff, supplemental modeling at year 2025 (Early Long Term [ELT]) was conducted to evaluate an operational scenario that provides higher Delta outflows than Alternative 4A, while including model assumptions that avoid impacts to fish and aquatic resources attributable to reductions in cold water pool storage and flow modifications under Alternative 8 and other higher outflow scenarios analyzed in the BDCP Draft EIR/EIS. This evaluation was conducted primarily to consider increases in outflow, without consideration of water supply benefits, and as such, an alternative that included this operational scenario would likely not meet the project objectives or purpose and need statement. Therefore, the purpose of this evaluation was to provide a broader range of Delta outflows and other operational parameters to consider during the State Water Board's anticipated water rights hearing on the petition for changes in State Water Project (SWP) and Central Valley Project (CVP) authorized points of diversion necessary to implement the proposed project. In order to provide Delta outflow similar to what was included in Alternative 8 without impacting instream flows and storage, additional Delta outflows (beyond those presented for Alternative 4 in the BDCP Draft EIR/EIS or Alternative 4A in this RDEIR/SDEIS) were achieved by reducing SWP and CVP exports. The modeling was based on "Alternative 4H3", which includes existing regulatory outflow requirements (i.e., Fall X2 per the U.S. Fish and Wildlife Service reasonable and prudent alternative and 1995 Bay-Delta Water Quality Control Plan [WQCP] adoption of State Water Resources Control Board Decision 1641 [D-1641] outflow for the remainder of the year) (see Section 4.1.2.2 for a more detailed description of H3 operations) and increasing outflows through a number of operational adjustments, including substantial export reductions. Delta outflows were up to the levels specified in Table C-A below. These additional Delta outflows could potentially be further optimized to maximize fisheries benefits without having additional water supply impacts compared to this supplemental modeling scenario.

In general, the intent behind the additional modeling was to evaluate the water supply effects of a high-Delta outflow scenario (beyond that modeled for Alternative 4 in the BDCP Draft EIR/EIS or Alternative 4A in this RDEIR/SDEIS) that provides both general and specific benefits to fish and their habitat related to increases in outflow during the fall (September through November), winter/spring (January through June), and summer (July and August) hydrological periods beyond those specified by the U.S. Fish and Wildlife Service and National Marine Fisheries Service in the 2008 and 2009 Biological Opinions, existing California Department of Fish & Wildlife California Endangered Species Act determinations, and the State Water Board's current WQCP. Increased fall Delta outflow will shift the low salinity zone further downstream in the Delta, likely resulting, based on current understanding of the science, in more favorable conditions for Delta smelt habitat in the western Delta and Suisun region. Similarly, increased winter/spring Delta outflow will shift the low salinity zone further downstream into the Suisun region likely resulting in more favorable conditions for longfin smelt and Delta smelt habitat. Higher Delta outflow during this period could also shift pelagic fish further from the export pumps and assist out-migrating salmonids. Additionally, the increased winter/spring Delta outflow would push fresh water through the Delta, past the Suisun region, and out into the San Francisco Bay likely benefiting native estuarine species that have evolved under conditions of seasonally fluctuating salinity. The increase in Delta outflow during the summer over the amount specified in Alternative 4A may provide general habitat benefits and a quantity of flow that can be adaptively managed to benefit Delta smelt when conditions during the previous winter and spring are likely to produce a strong cohort. The relationships between the survival and abundance of various species and habitat conditions and outflows are currently under active investigation by the Collaborative Adaptive Management Team, an interagency group of scientists investigating outflow and other issues pertinent to CVP and SWP Delta operations. These issues will also be central to the State Water Board's current water quality control planning and other decision making processes.

C.2 Modeling Assumptions

Modeling was conducted using Alt 4_H3 as a 'starting point' and applying the outflow criteria shown in Table C-A below while attempting to avoid adverse upstream effects by relying only on the Delta export curtailments for achieving new Delta outflow goals. The outflow targets were applied as goals to be met, when possible, through export reductions rather than as hard constraints and the targeted Delta outflow values were not achieved for every combination of month and water-year types.

Table C-A. State Water Resources Control Board Outflow Targets for Supplemental Modeling

State Water Board Requested Delta Outflow Targets to Be Met with Export Reductions from Alternative 4H3	
Month	**Delta Outflow cfs (water-year type)**
October	7,100 (C, D, BN); 11,400 (AN, W)
November	7,100 (C, D, BN); 11,400 (AN, W)
December	11,400 (all)
January	35,000 (all)
February	35,000 (all)
March	44,500 (W, AN, BN); 25,000 (D, C)
April	44,500 (W, AN, BN); 25,000 (D, C)
May	44,500 (W, AN, BN); 25,000 (D, C)
June	7,100 (C, D, BN); 11,400 (AN, W)
July	Maximum (7,100 or D-1641)
August	7,100 (all)
September	7,100 (C, D, BN); 11,400 (AN, W)

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

In addition to these specific outflow targets, the following modeling assumptions were used to modify the Alt 4_H3 modeling.

Table C-B. Assumptions Used for the Supplemental Modeling

Modeling Objective	Modeling Assumption
Delta outflows	• To achieve the outflows shown in Table C-A, Delta export curtailments and upstream releases were applied in July, August, and September in all water year types, except Critical. • During July, August, and September of Critical years, and in all other months of other water year types, only Delta export curtailments were applied (i.e., there were no upstream releases to meet outflow objectives). • Delta exports were never reduced to less than the 1,500 cfs health and safety minimum.
South Delta Operations	• South Delta operations were further restricted as shown in Table C-C below.
Yolo Bypass Restoration	• No Yolo Bypass restoration was assumed.
Salinity Compliance	• The modeling used the current D-1641 compliance locations.
Restoration	• The modeling includes 25,000 acres of tidal marsh restoration.
Timeframe	• The modeling assumed the Early-Long-term conditions (ELT) with climate change and sea level rise assumptions the same as those used for other BDCP ELT evaluations (i.e., climate change Q5, 15 cm of sea level rise, as included in Draft BDCP and in Alternatives 4A, 2D, and 5A)

Table C-C. South Delta and Head of Old River Barrier Operations Assumptions Used for the Supplemental Modeling

PAN (CS5 Sep 2012 Uncapped)

Old and Middle River Flow Requirements

WY	W	AN	BN	D	C
Oct[a,d]	-3500	-3500	-5000	-5000	-5000
Nov[a,d]	-3500	-3500	-5000	-5000	-5000
Dec[c,d]	-3500	-3500	-5000	-5000	-5000
Jan	0	0	-2500	-2500	-2500
Feb	0	0	-2500	-2500	-2500
Mar[b]	Qv, Qo: (<3500,-2500), (>=3500,0), (>=10000, 1000), (>15000, 2000) **or** -2000				
Apr	Qvem, Qomr: (<5000,-2000), (6000,1000), (10000, 2000), (15000, 3000), (>=30000,6000) **or** -2000				
May					
Jun[b]	Qv, Qo: (<3500,-2500), (>=3500,0), (>=10000, 1000), (>15000, 2000) **or** -2000				
Jul[d]	-5000	-5000	-5000	-5000	-5000
Aug[d]	-5000	-5000	-5000	-5000	-5000
Sep[d]	-5000	-5000	-5000	-5000	-5000

[a] For before and after D-1641 fall pulse; No exports during D-1641 pulse (2 weeks)
[b] SJR based OMR per Scen 6 for Jun, with lowest OMR at -2500 cfs
[c] -2000 when Delta smelt RPA triggered
[d] -5,000 cfs for WET years and year following WET years

Head of Old River Barrier Operations

WY	W	AN	BN	D	C
Oct	IN/OUT	IN/OUT	IN/OUT	IN/OUT	IN/OUT
Nov	IN/OUT	IN/OUT	IN/OUT	IN/OUT	IN/OUT
Dec	OUT	OUT	OUT	OUT	OUT
Jan	IN/OUT	IN/OUT	IN/OUT	IN/OUT	IN/OUT
Feb	IN/OUT	IN/OUT	IN/OUT	IN/OUT	IN/OUT
March	IN	IN	IN	IN	IN
April	IN	IN	IN	IN	IN
May	IN	IN	IN	IN	IN
Jun	IN	IN	IN	IN	IN
Jul	OUT	OUT	OUT	OUT	OUT
Aug	OUT	OUT	OUT	OUT	OUT
Sep	OUT	OUT	OUT	OUT	OUT

C.3 CALSIM II Results

This document includes comparison plots of average monthly patterns of storages and flows by water year type for No Action Alternative at ELT, Alternative 4 H3 at ELT, Alternative 4 H4 at ELT and Alternative 4 H3 based State Water Board scenario (State Water Board scenario) at ELT from April 2015.

Briefly, State Water Board scenario includes additional year-round south Delta Old and Middle River flow requirements and Delta outflow goals, over and above the Alternative 4 H3. Additional Delta outflow goals under the State Water Board scenario are achieved to the extent possible only through Delta export curtailments.

Parameters plotted include:

- Monthly Average Sacramento River at Keswick Flow
- Monthly Average Feather River at Thermalito Flow
- Monthly Average American River at Nimbus Flow
- Monthly Average Delta Outflow
- Monthly Average Combined Old and Middle River Flow
- Monthly Average Sacramento River Flow Downstream of North Delta Intakes
- End-of-Month Trinity Lake Storage
- End-of-Month Shasta Lake Storage
- End-of-Month Lake Oroville Storage
- End-of-Month Folsom Lake Storage
- Monthly Average Total Delta Exports

Water year type classification used in here is based on historical Sacramento River 40-30-30 index.

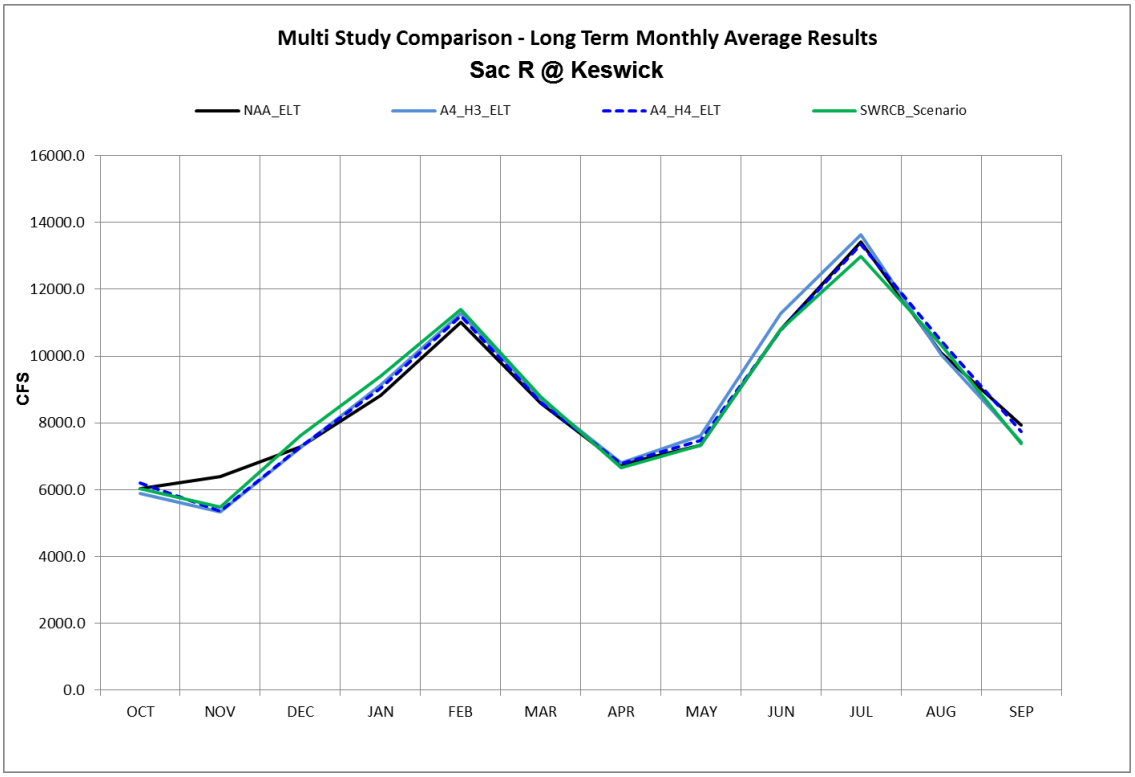

Figure 1: Long-term Average Monthly Sacramento River at Keswick Flow

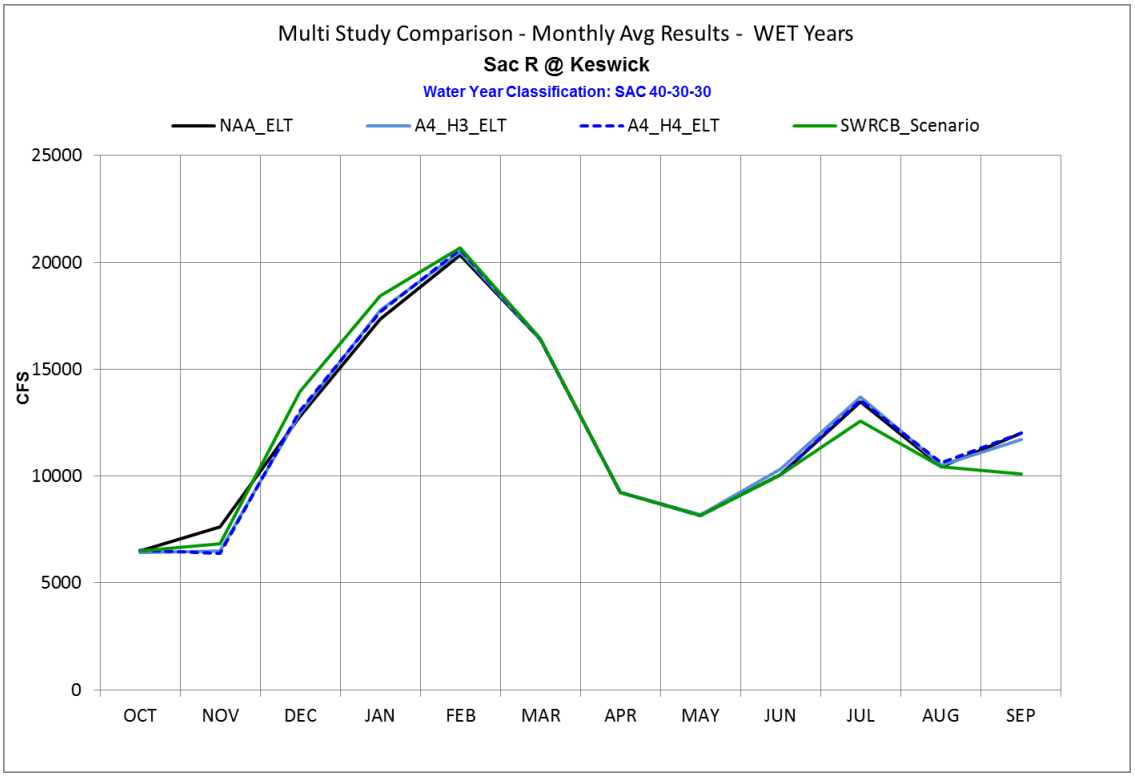

Figure 2: Wet Year Average Monthly Sacramento River at Keswick Flow

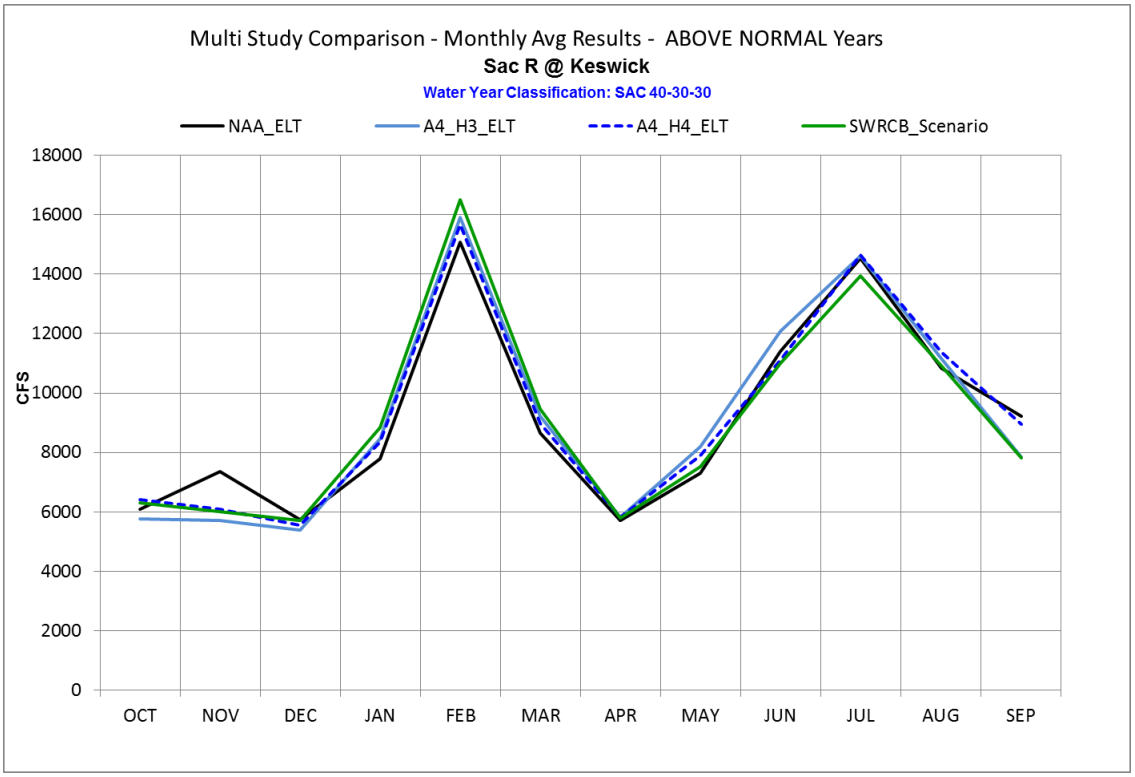

Figure 3: Above Normal (AN) Year Average Monthly Sacramento River at Keswick Flow

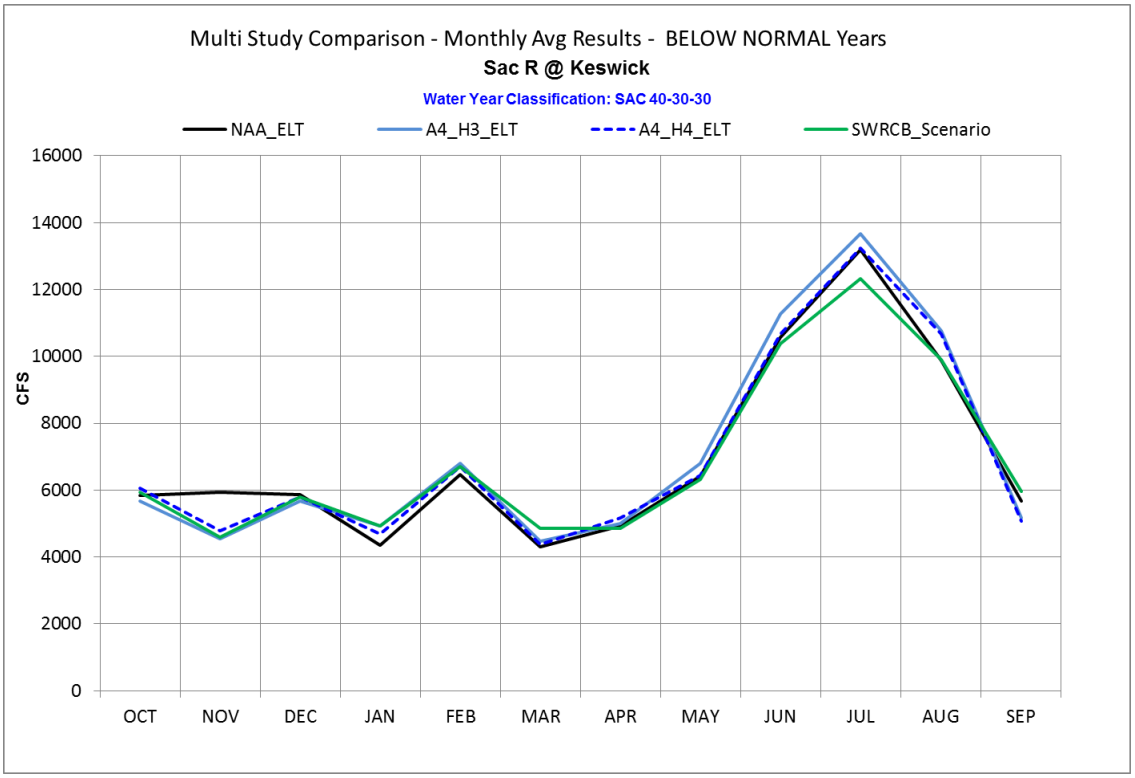

Figure 4: Below Normal (BN) Year Average Monthly Sacramento River at Keswick Flow

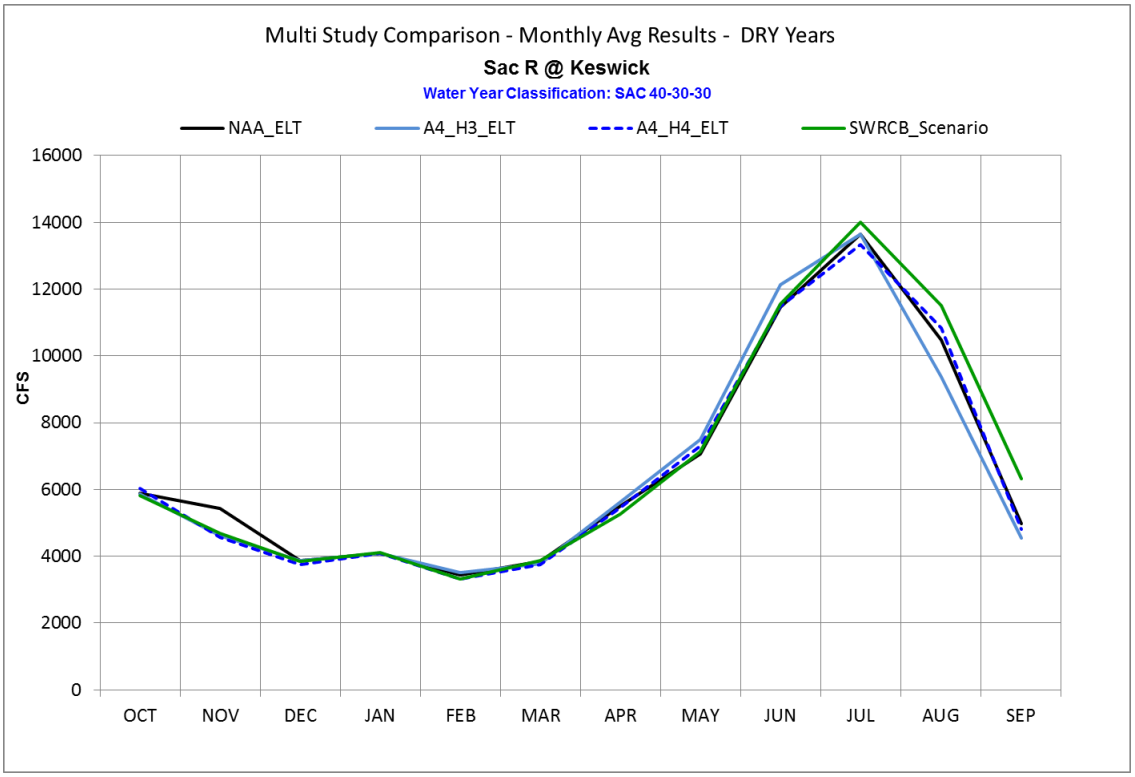

Figure 5: Dry Year Average Monthly Sacramento River at Keswick Flow

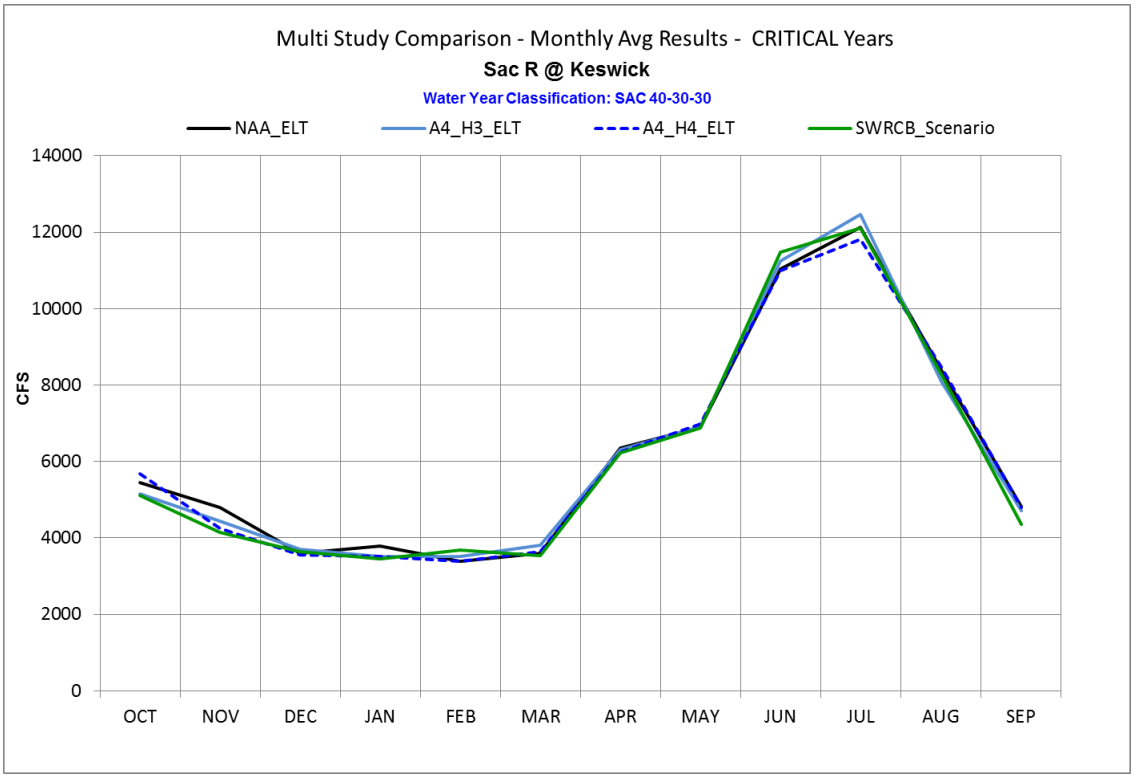

Figure 6: Critical Year Average Monthly Sacramento River at Keswick Flow

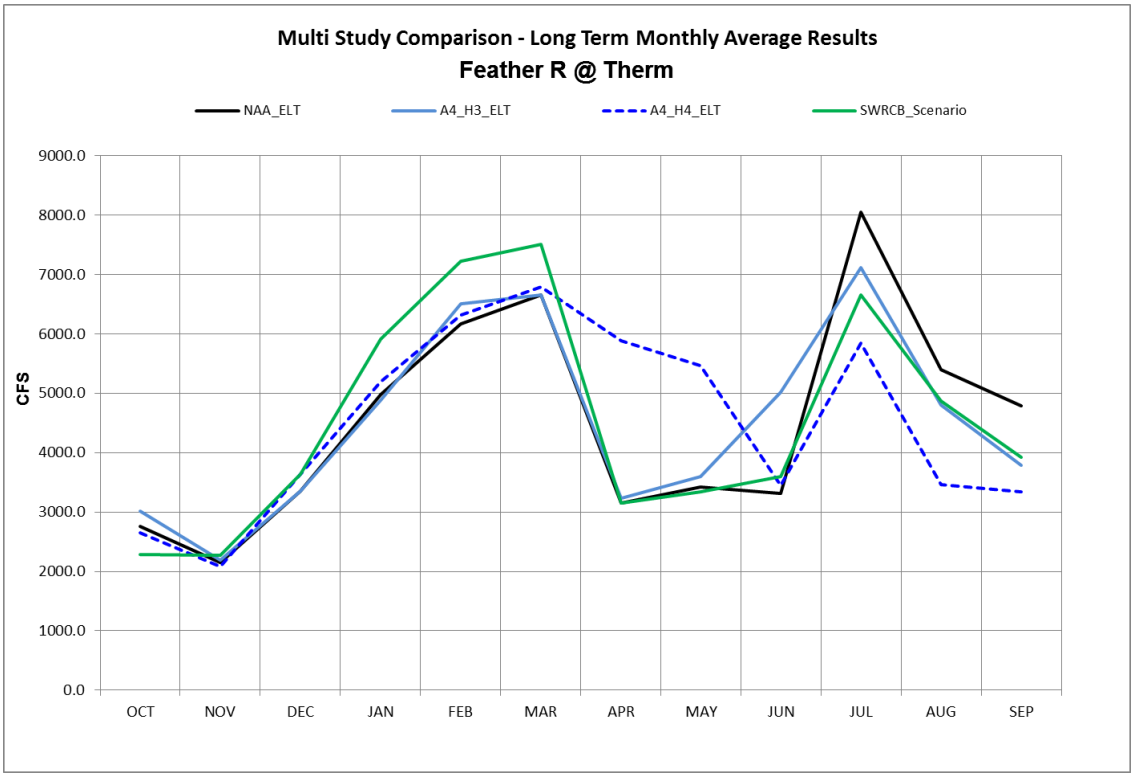

Figure 7: Long-term Average Monthly Feather River at Thermalito Flow

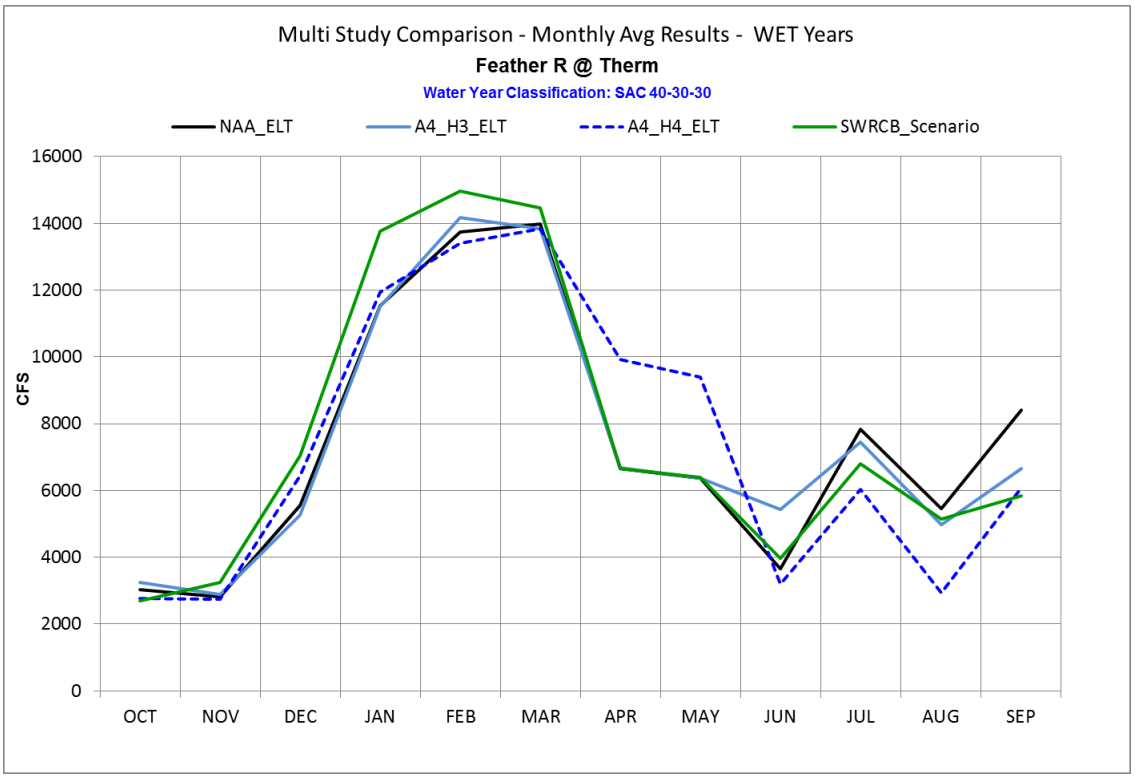

Figure 8: Wet Year Average Monthly Feather River at Thermalito Flow

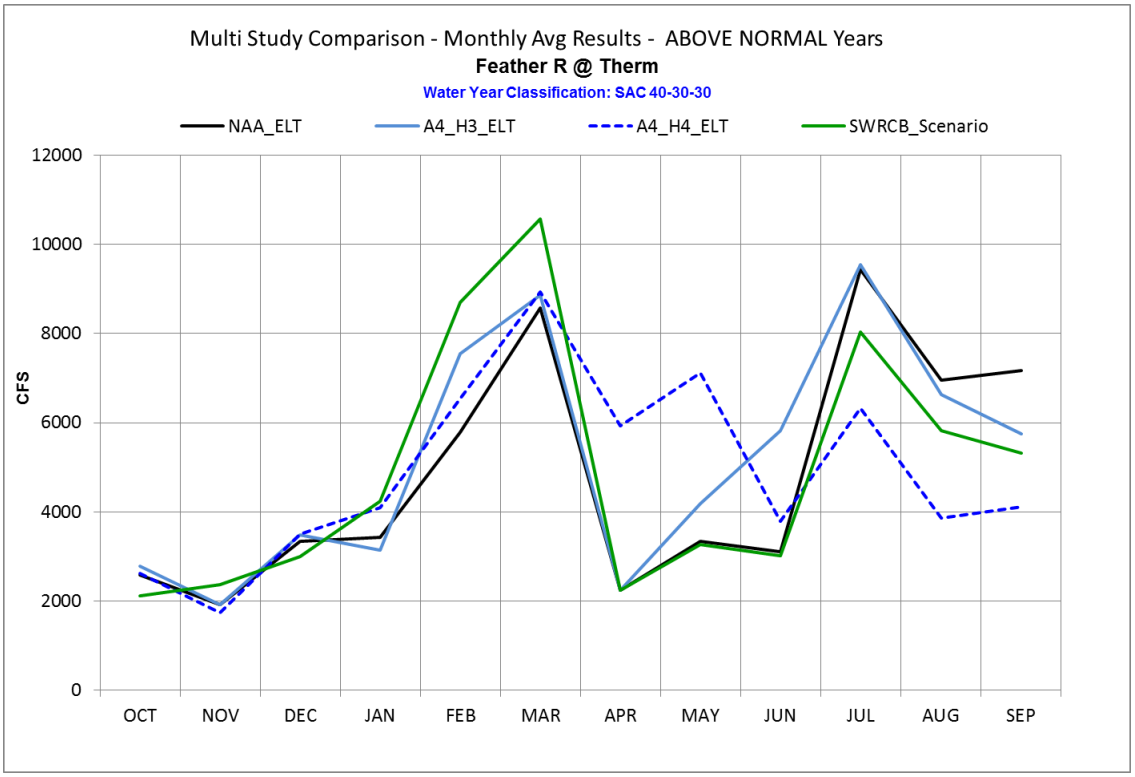

Figure 9: Above Normal Year Average Monthly Feather River at Thermalito Flow

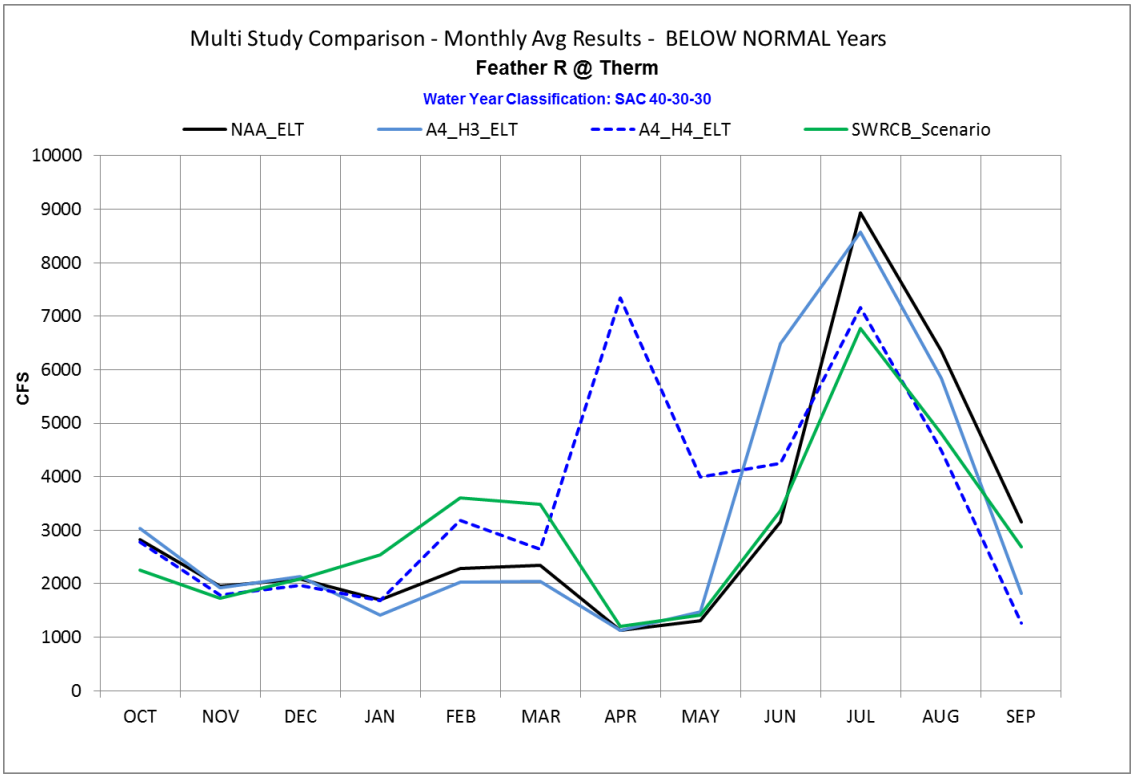

Figure 10: Below Normal Year Average Monthly Feather River at Thermalito Flow

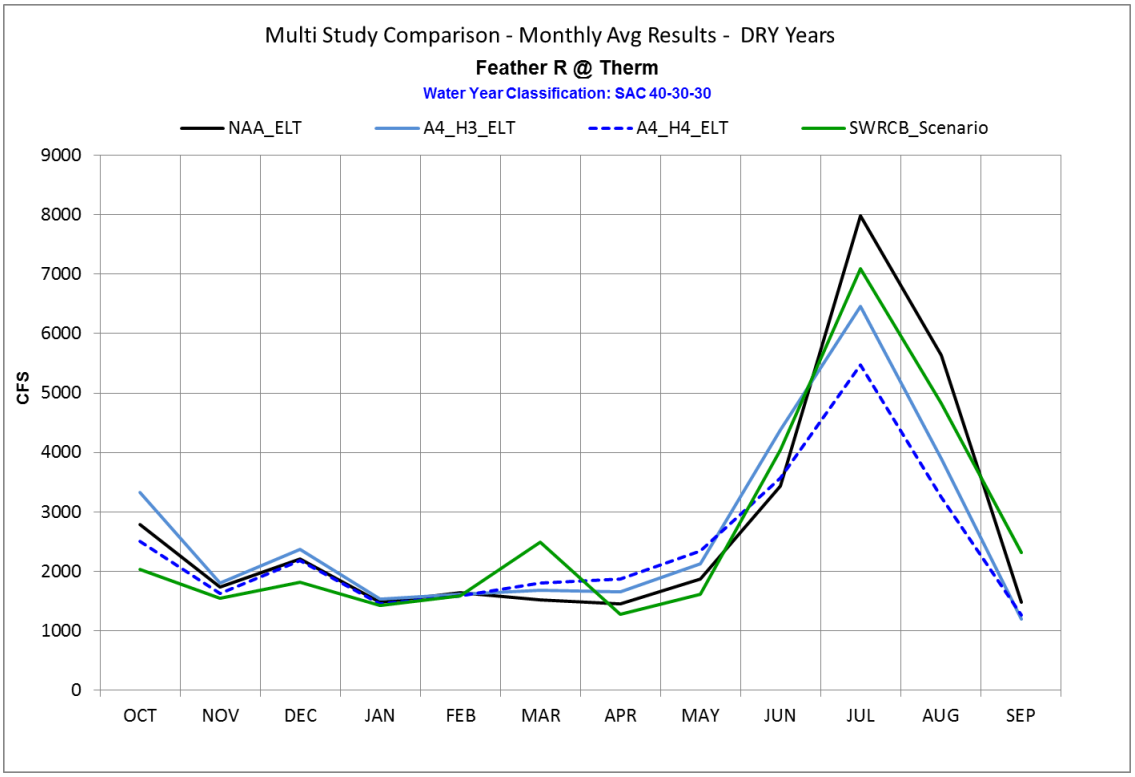

Figure 11: Dry Year Average Monthly Feather River at Thermalito Flow

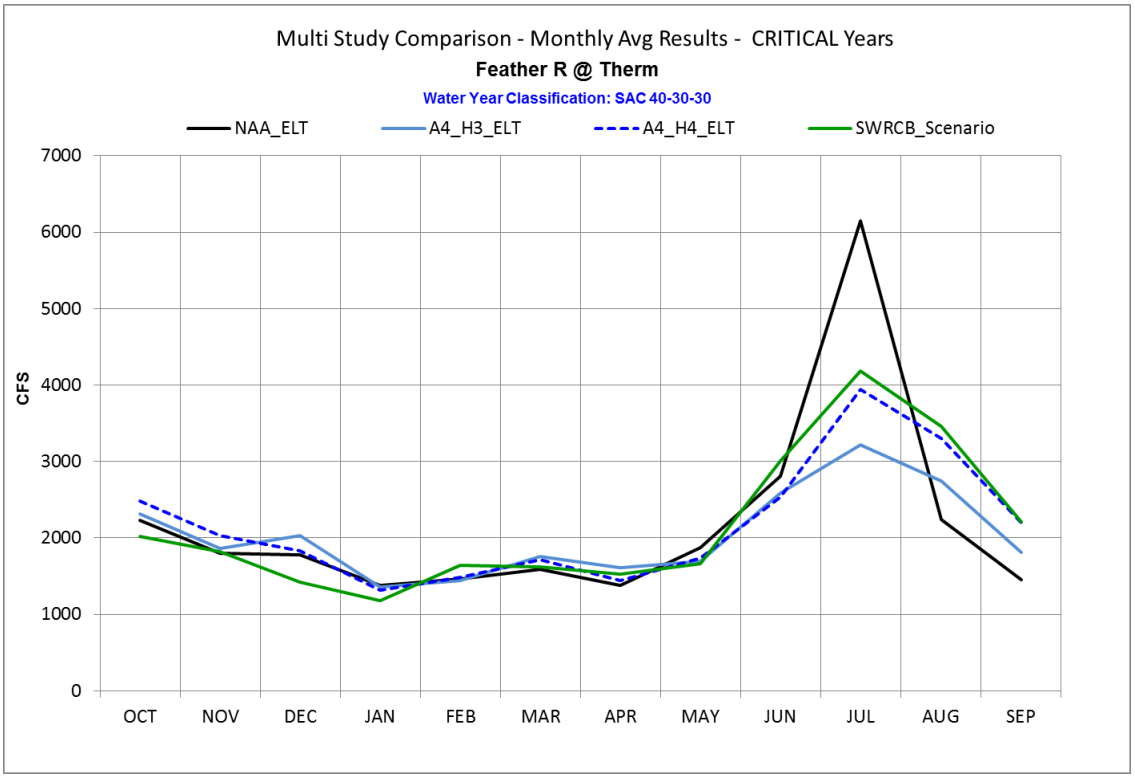

Figure 12: Critical Year Average Monthly Feather River at Thermalito Flow

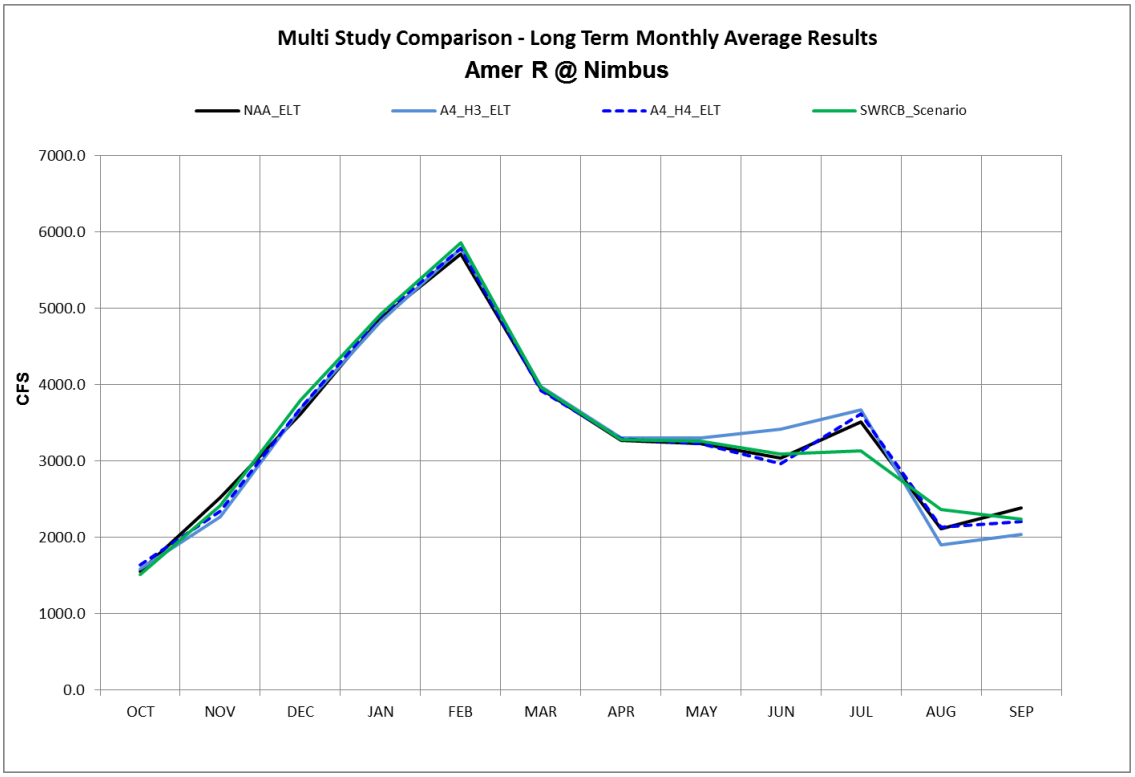

Figure 13: Long-term Average Monthly American River at Nimbus Flow

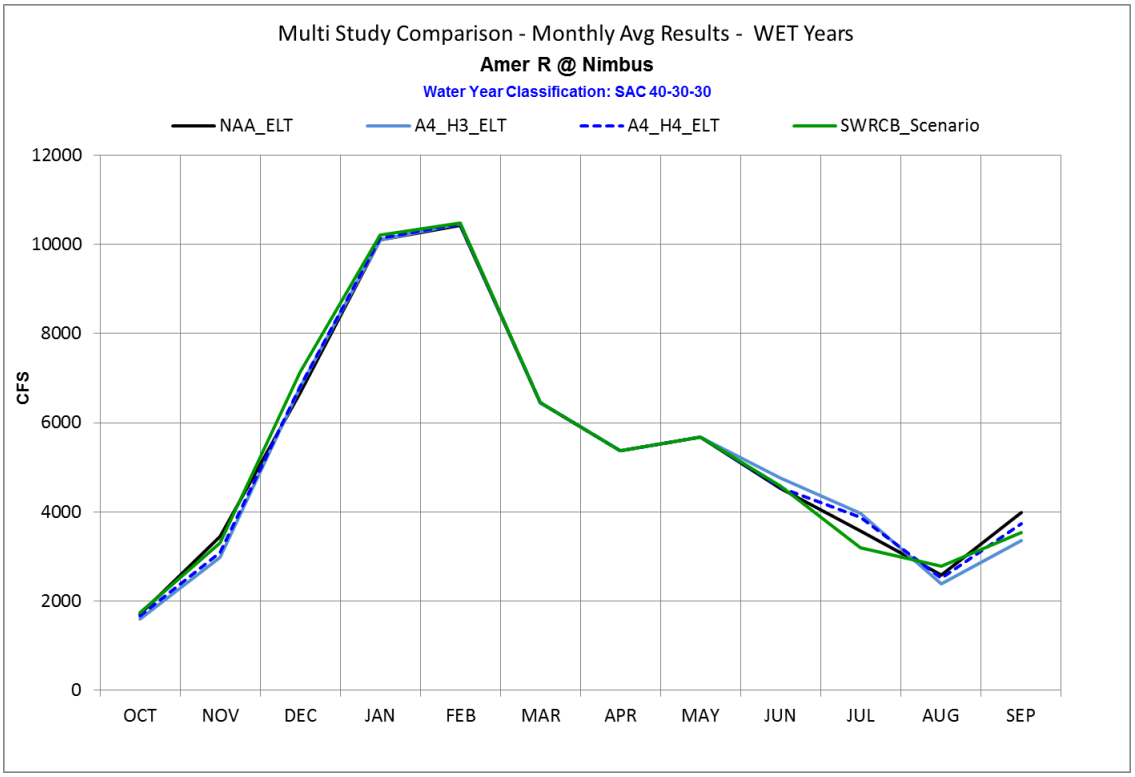

Figure 14: Wet Year Average Monthly American River at Nimbus Flow

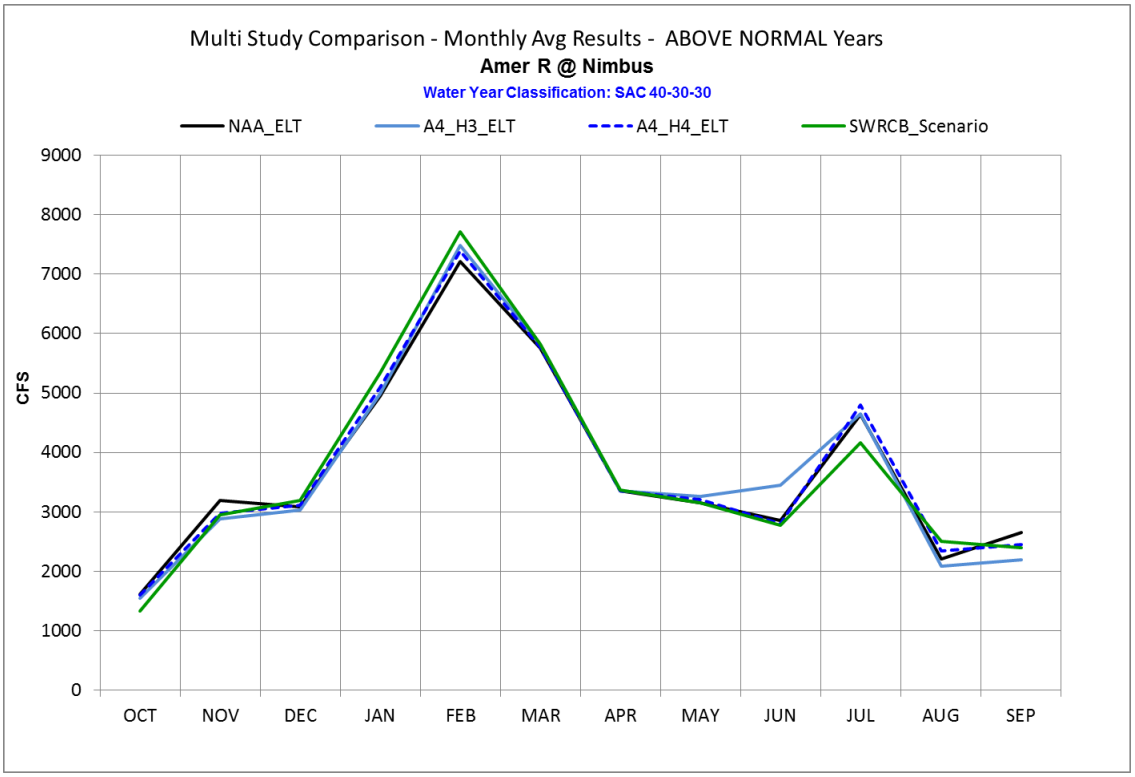

Figure 15: Above Normal Year Average Monthly American River at Nimbus Flow

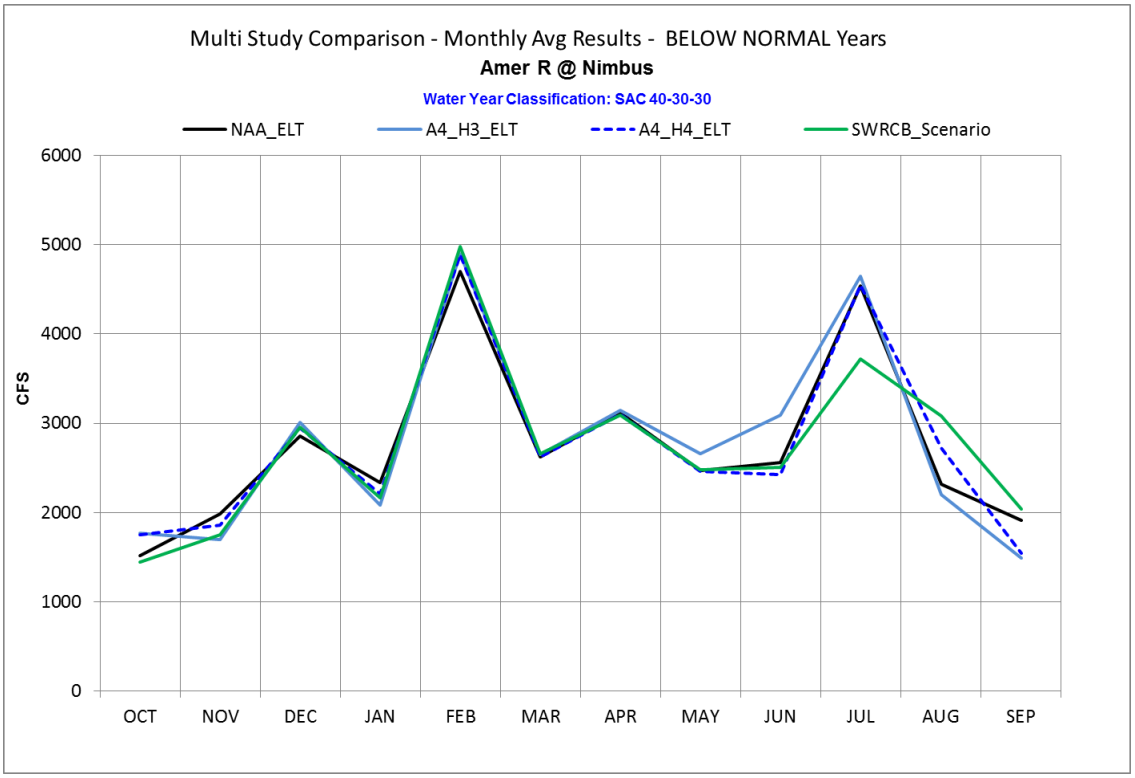

Figure 16: Below Normal Year Average Monthly American River at Nimbus Flow

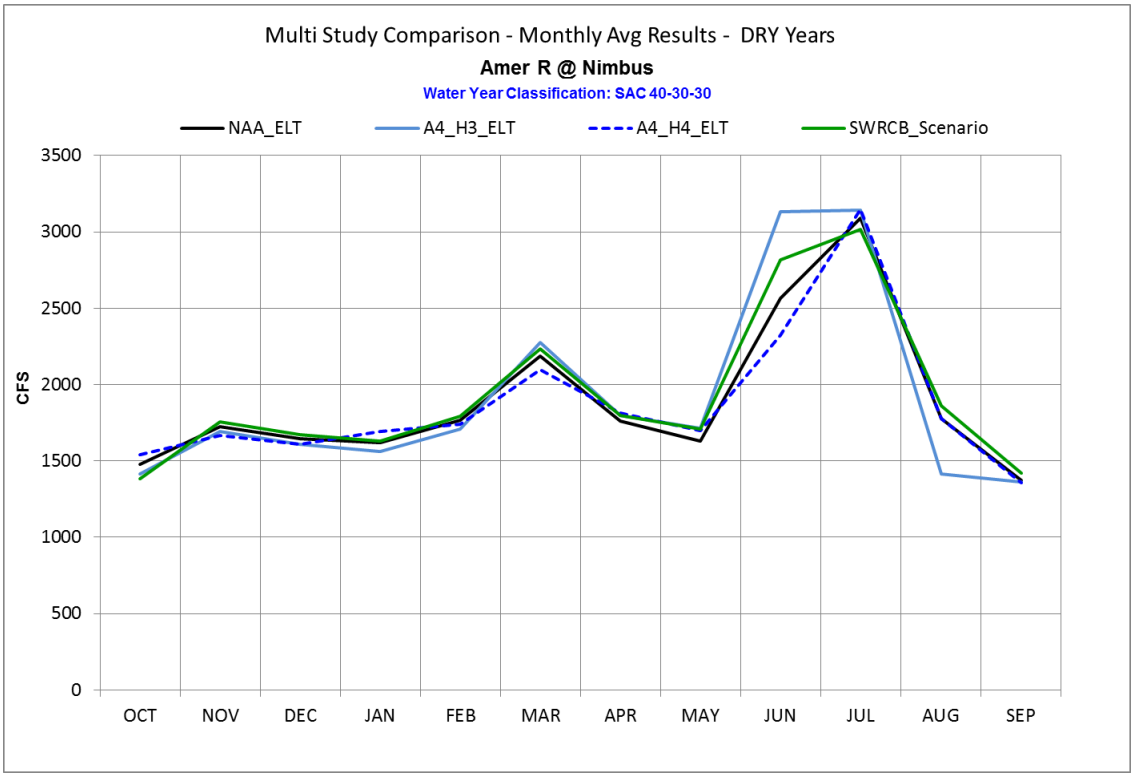

Figure 17: Dry Year Average Monthly American River at Nimbus Flow

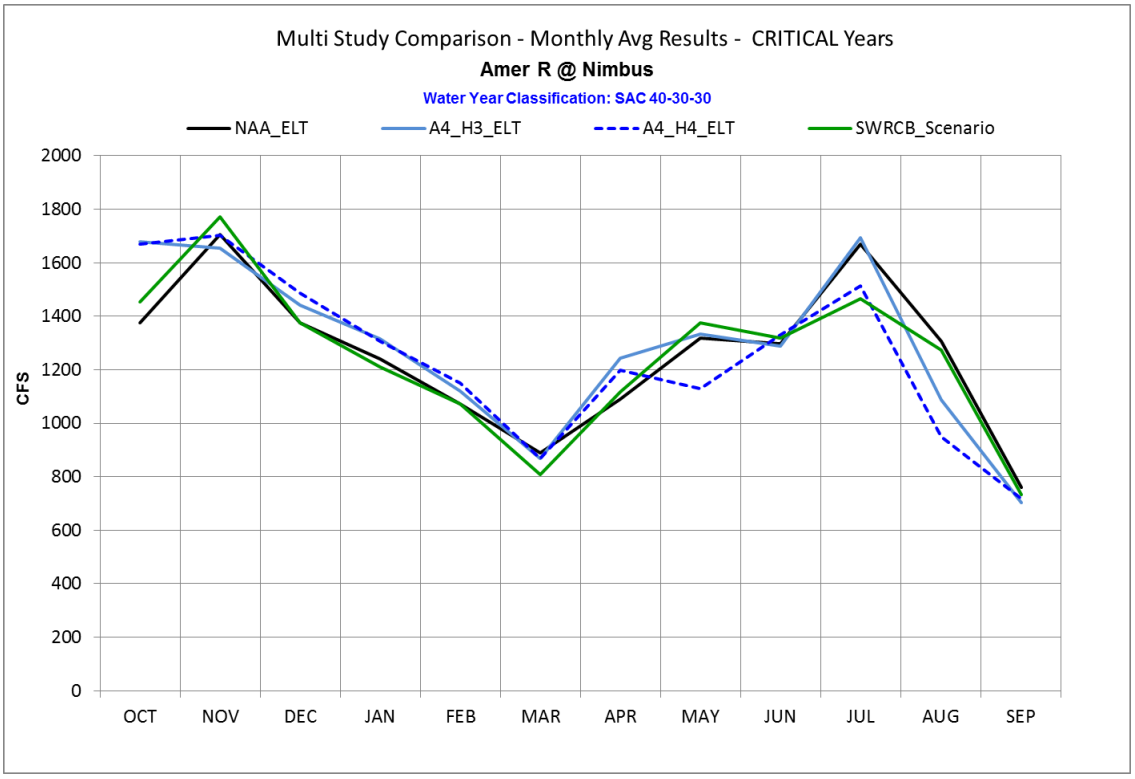

Figure 18: Critical Year Average Monthly American River at Nimbus Flow

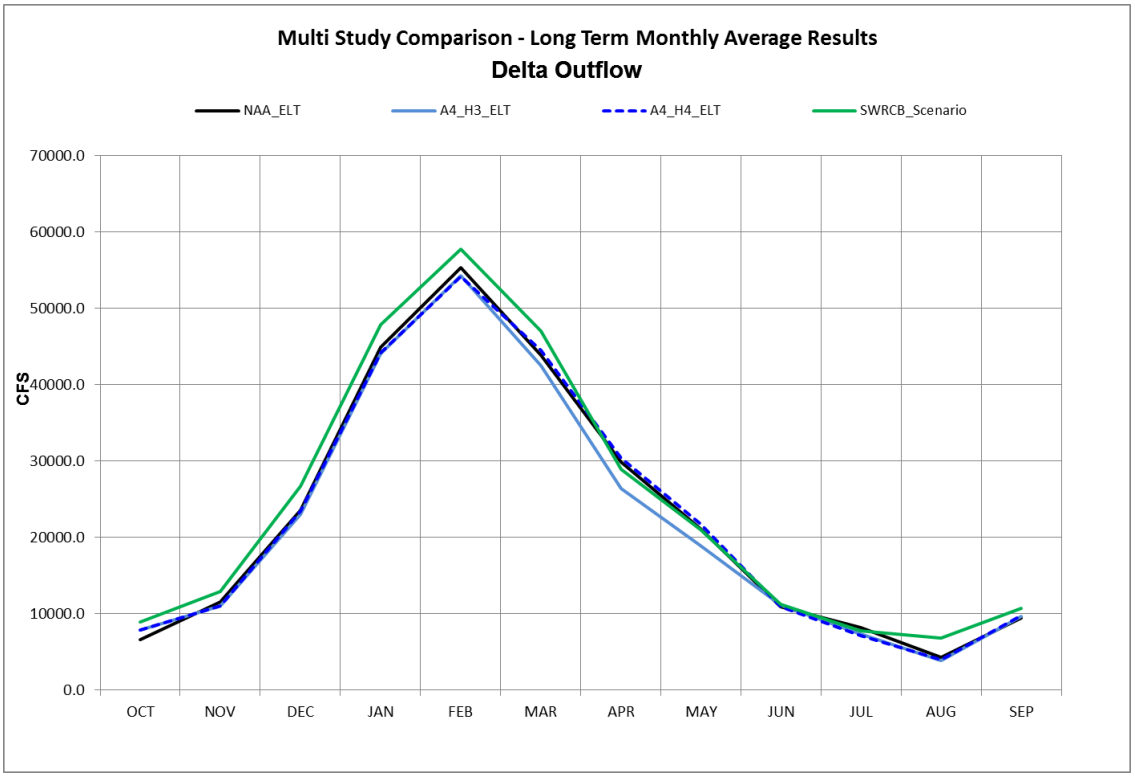

Figure 19: Long-term Average Monthly Delta Outflow

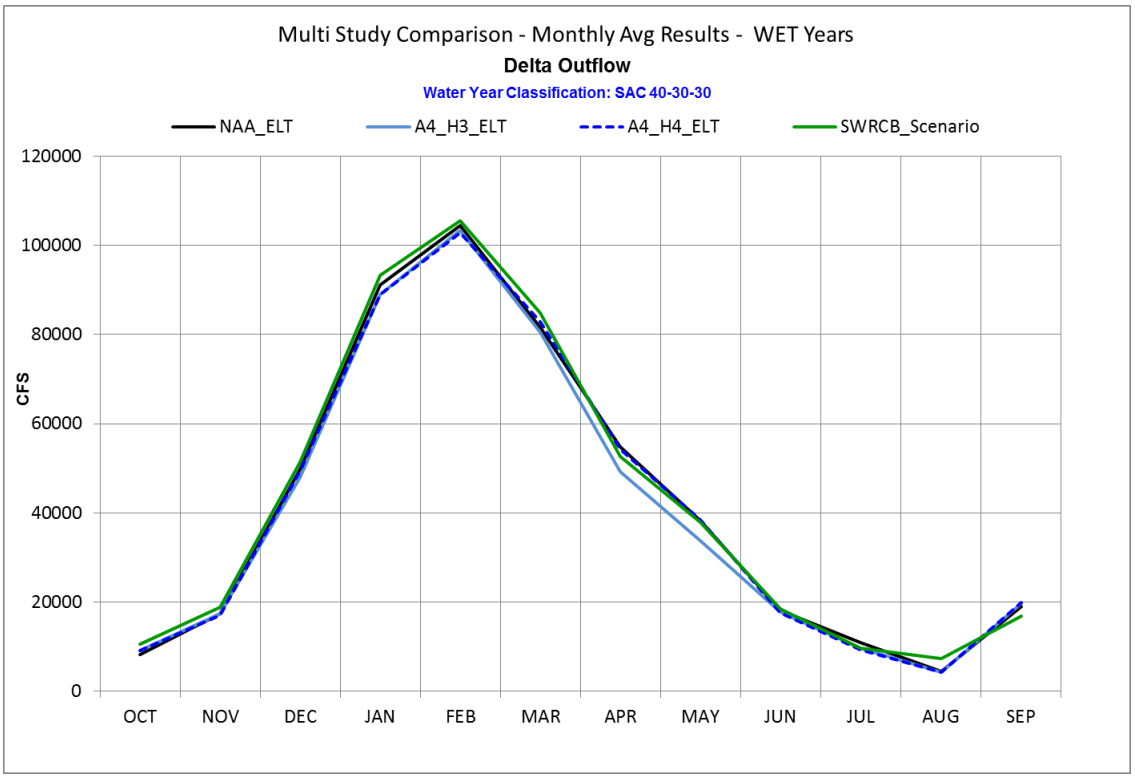

Figure 20: Wet Year Average Monthly Delta Outflow

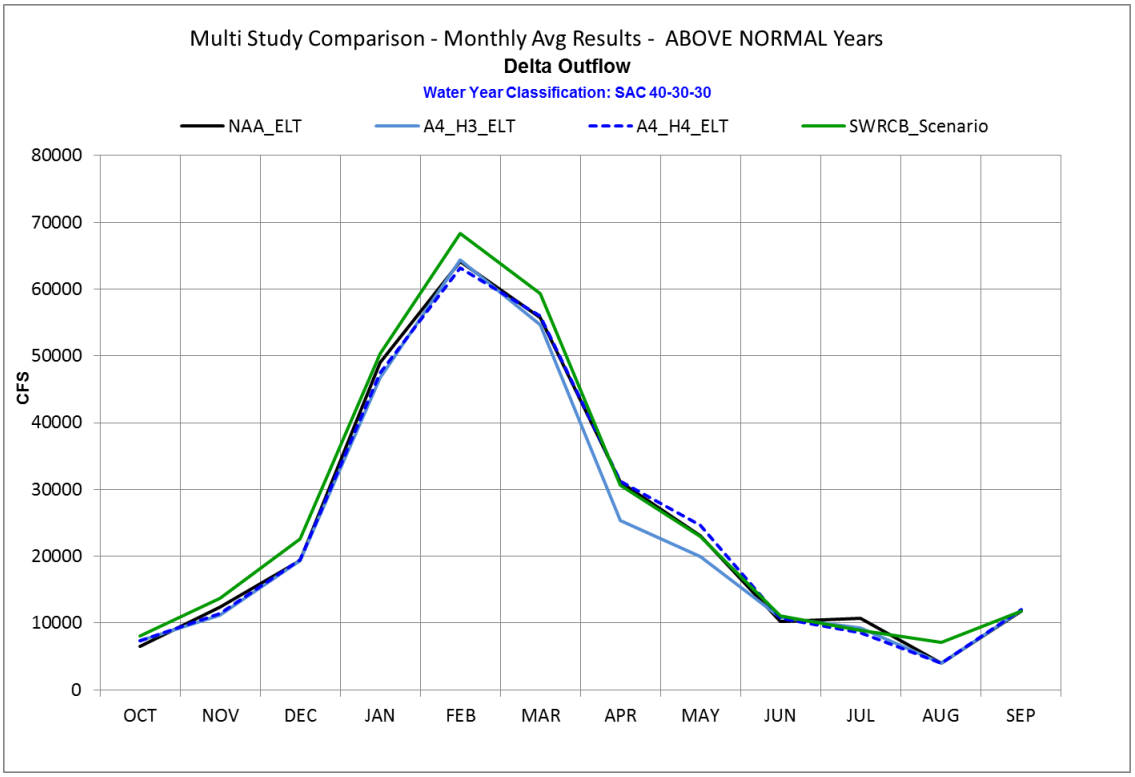

Figure 21: Above Normal Year Average Monthly Delta Outflow

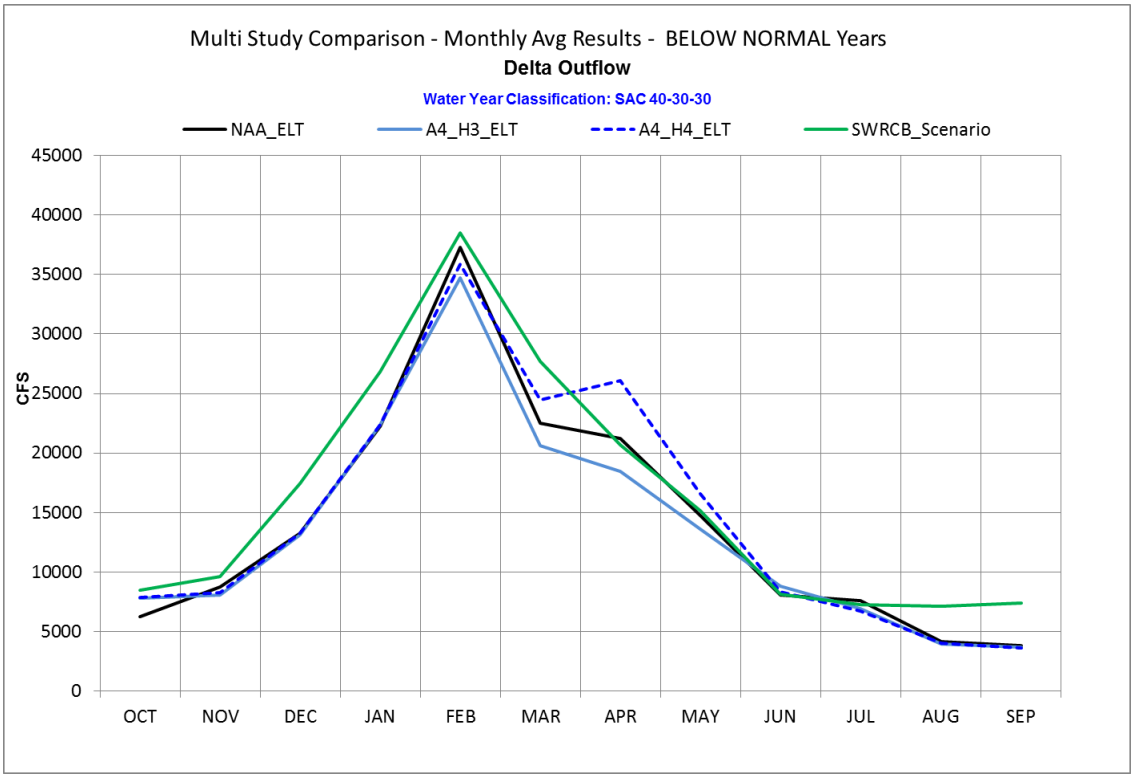

Figure 22: Below Normal Year Average Monthly Delta Outflow

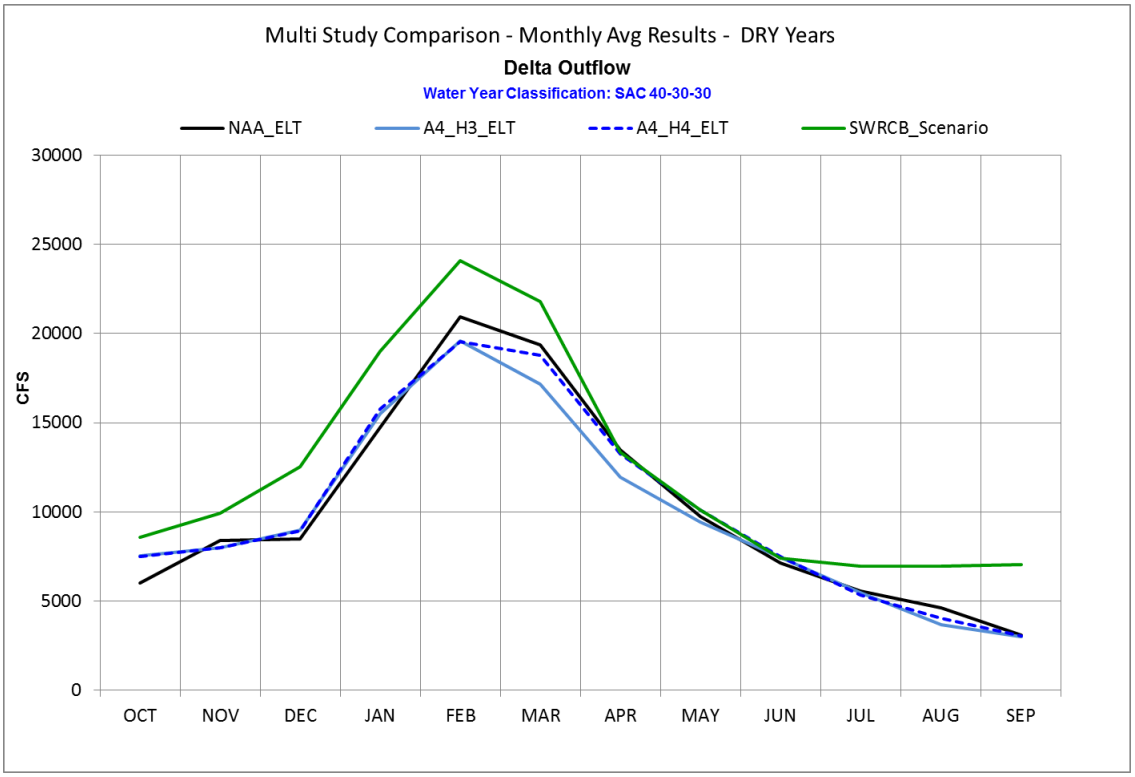

Figure 23: Dry Year Average Monthly Delta Outflow

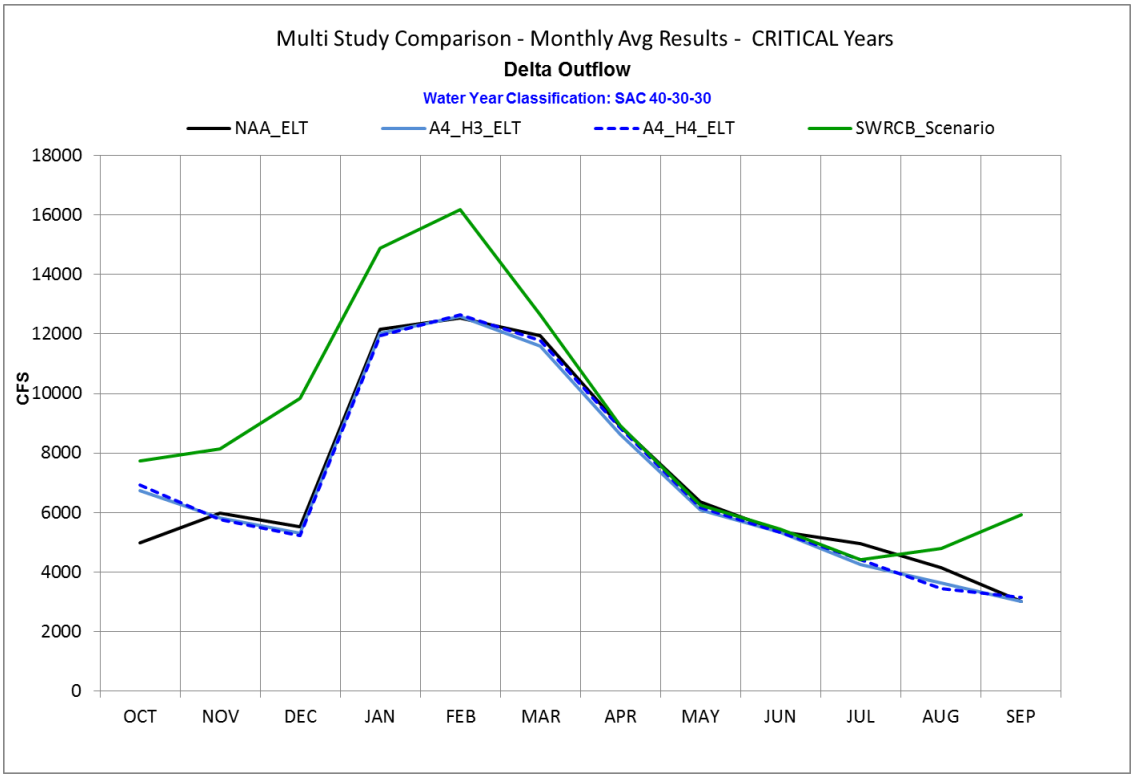

Figure 24: Critical Year Average Monthly Delta Outflow

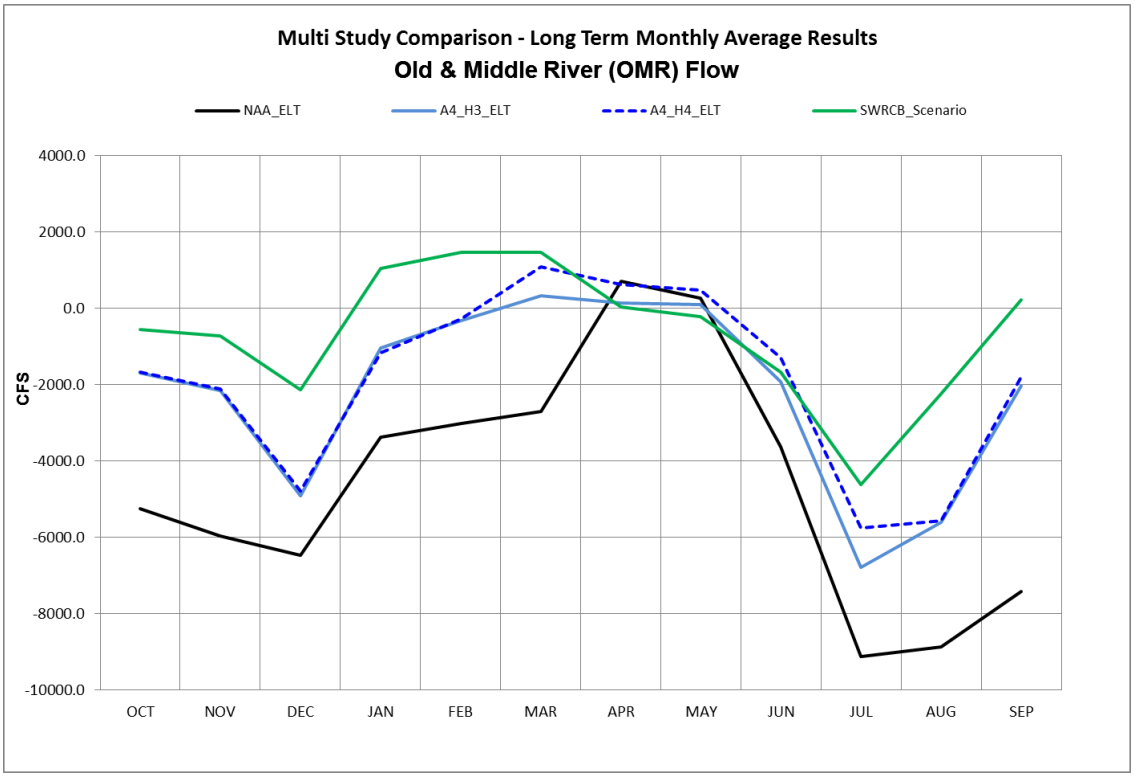

Figure 25: Long-term Average Monthly Combined Old and Middle River Flow

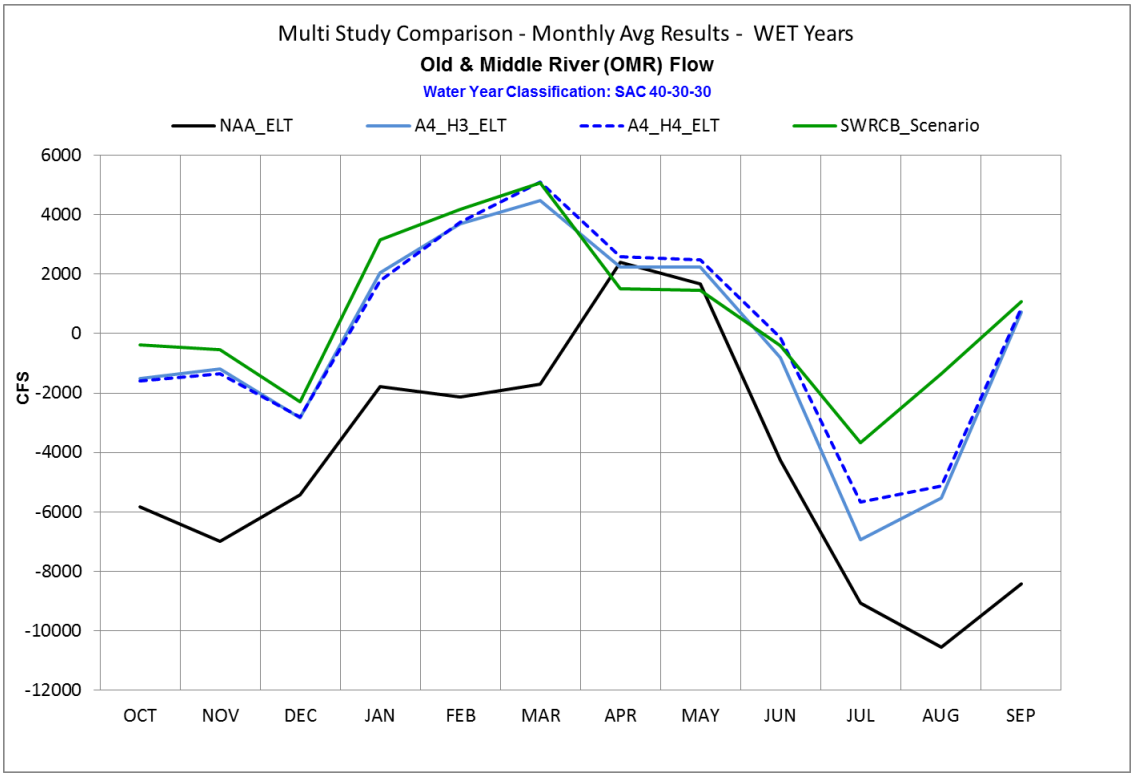

Figure 26: Wet Year Average Monthly Combined Old and Middle River Flow

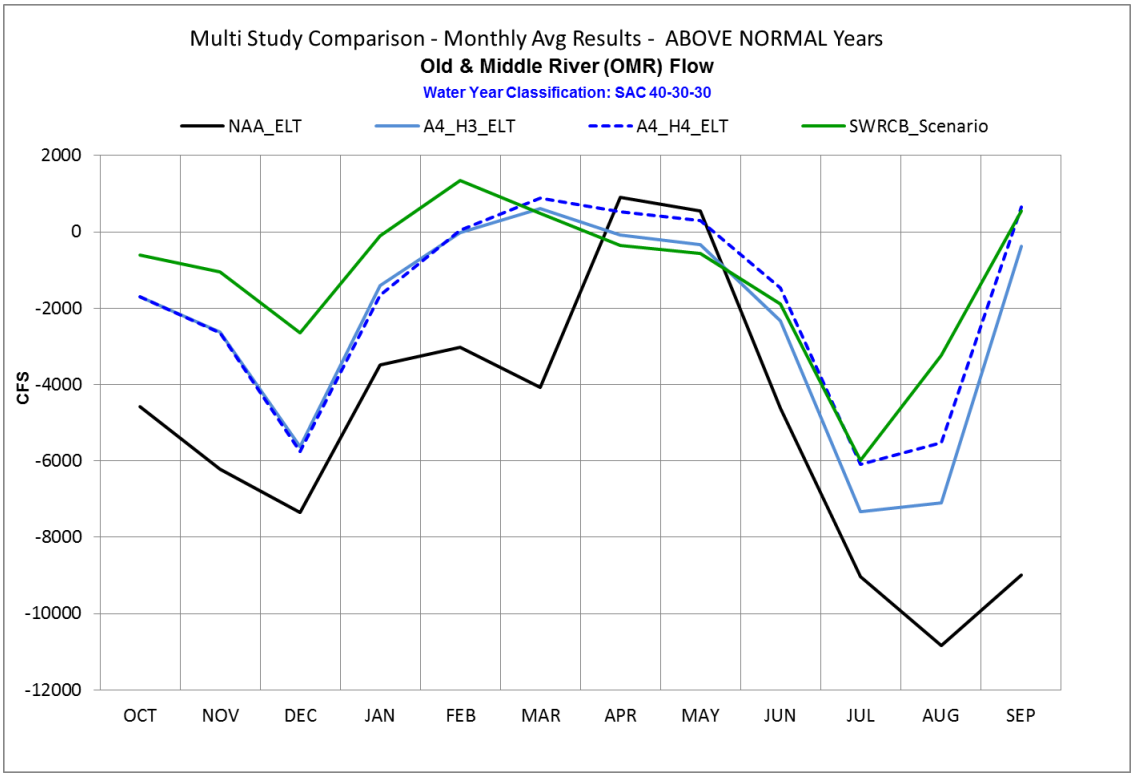

Figure 27: Above Normal Year Average Monthly Combined Old and Middle River Flow

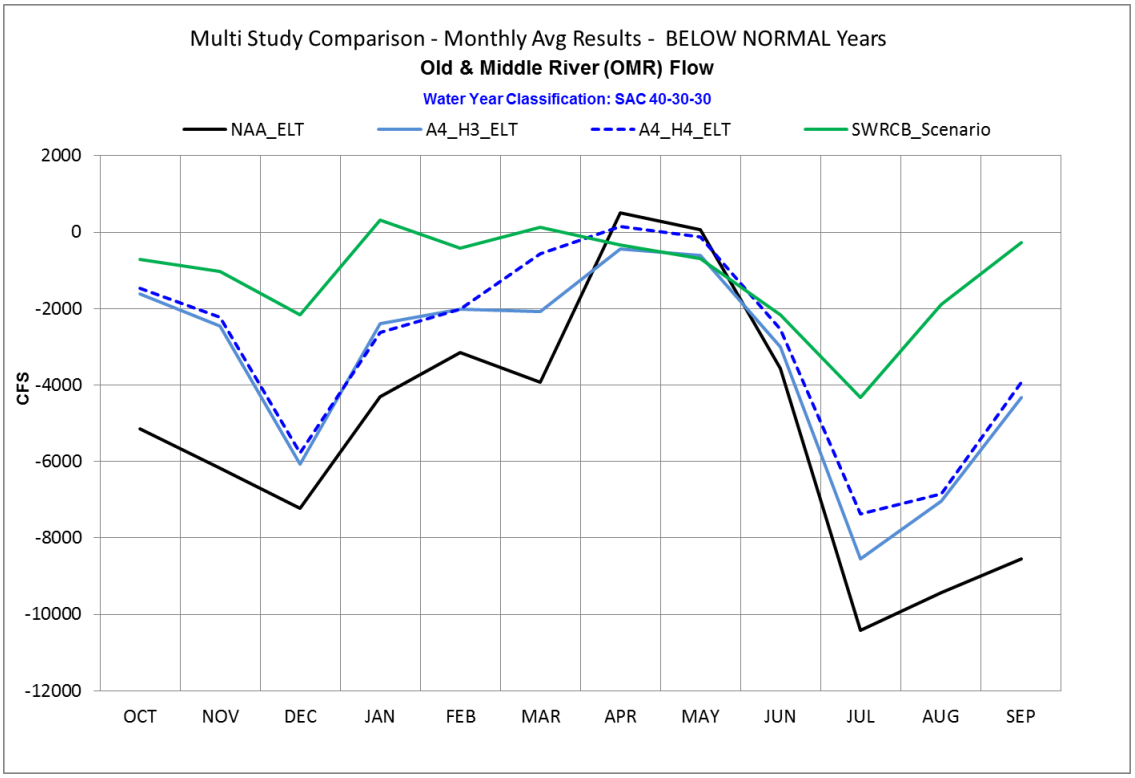

Figure 28: Below Normal Year Average Monthly Combined Old and Middle River Flow

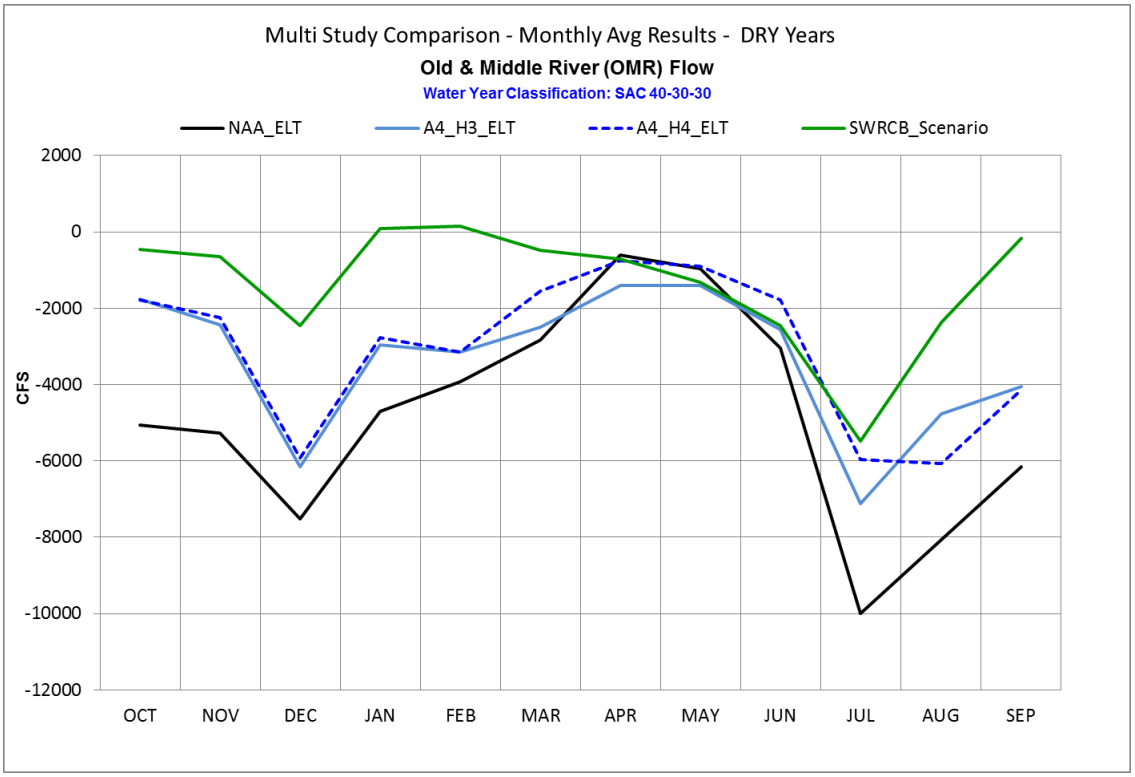

Figure 29: Dry Year Average Monthly Combined Old and Middle River Flow

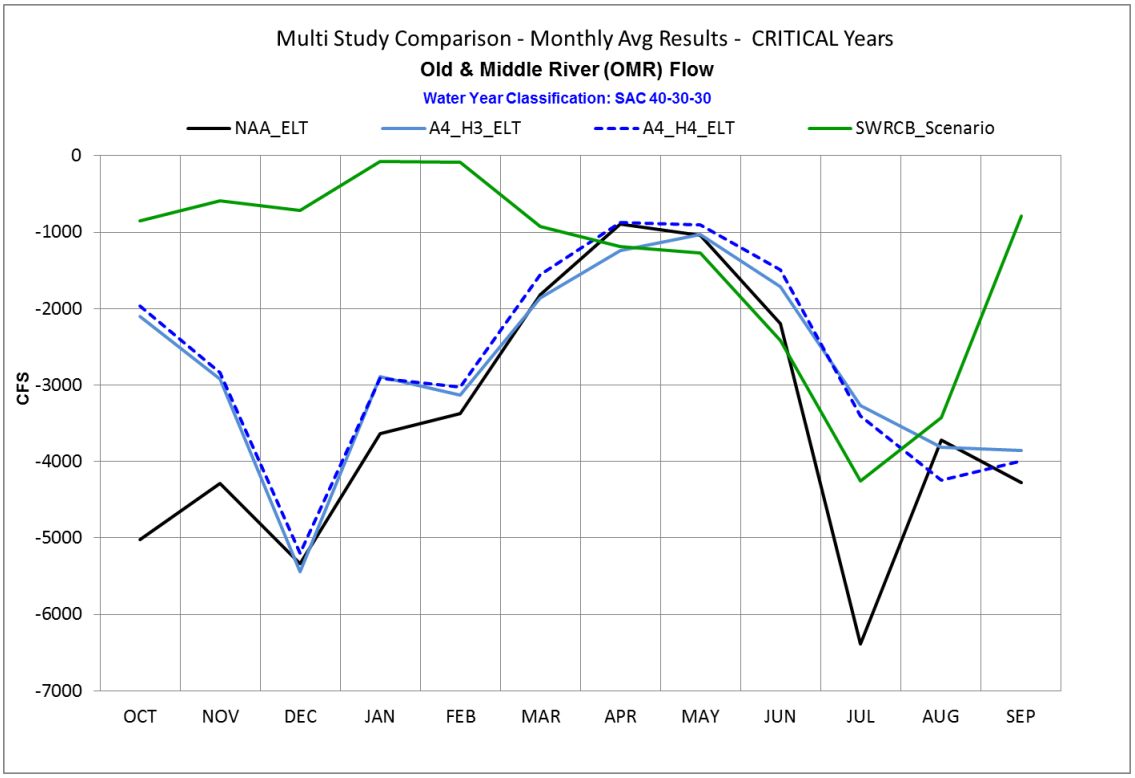

Figure 30: Critical Year Average Monthly Combined Old and Middle River Flow

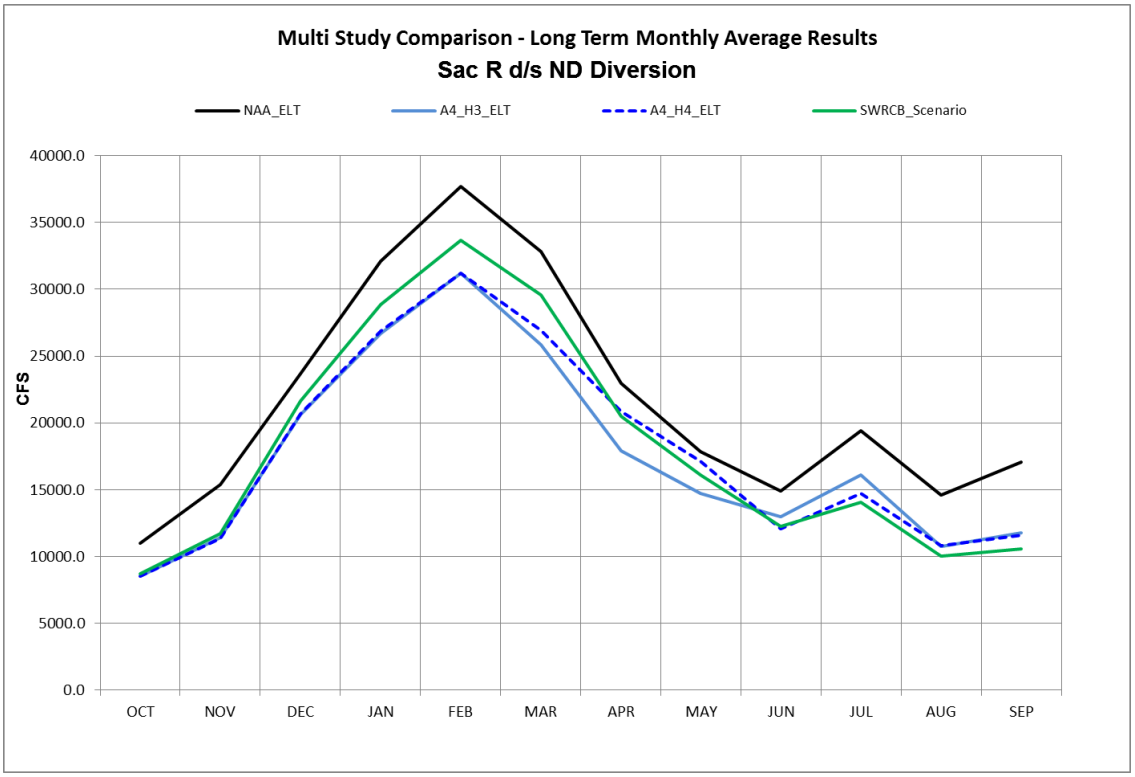

Figure 31: Long-term Average Monthly Sacramento River Flow Downstream of North Delta Intakes

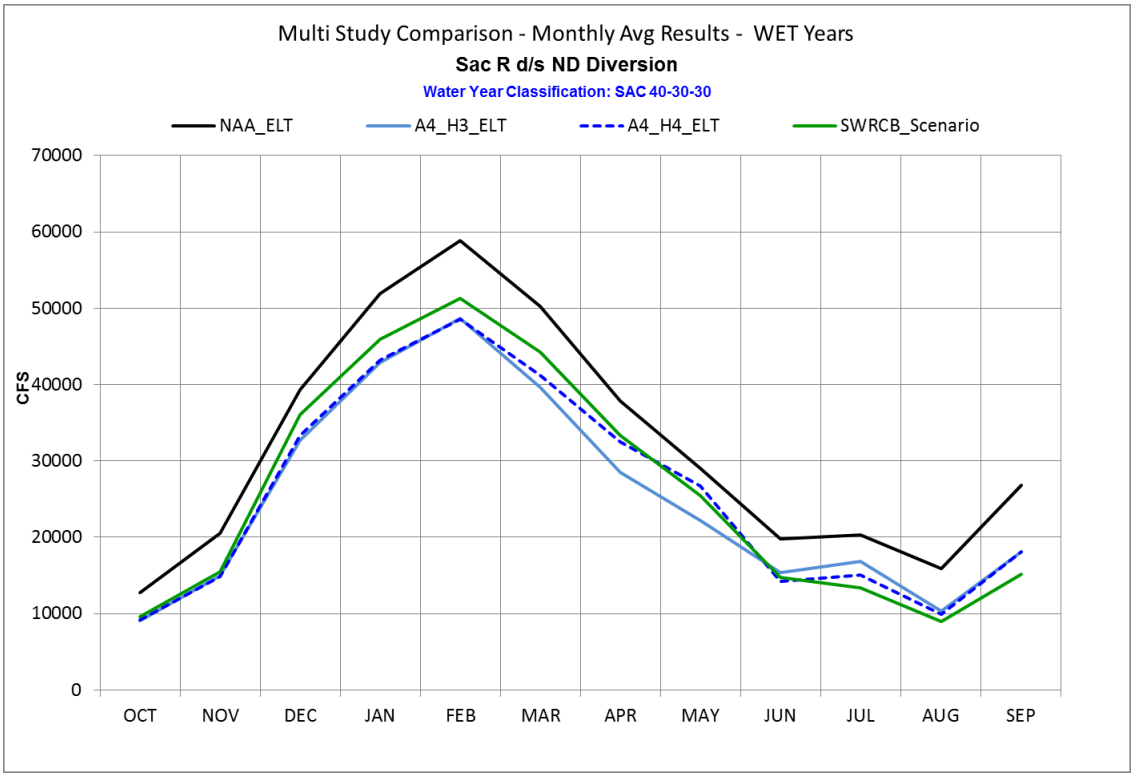

Figure 32: Wet Year Average Monthly Sacramento River Flow Downstream of North Delta Intakes

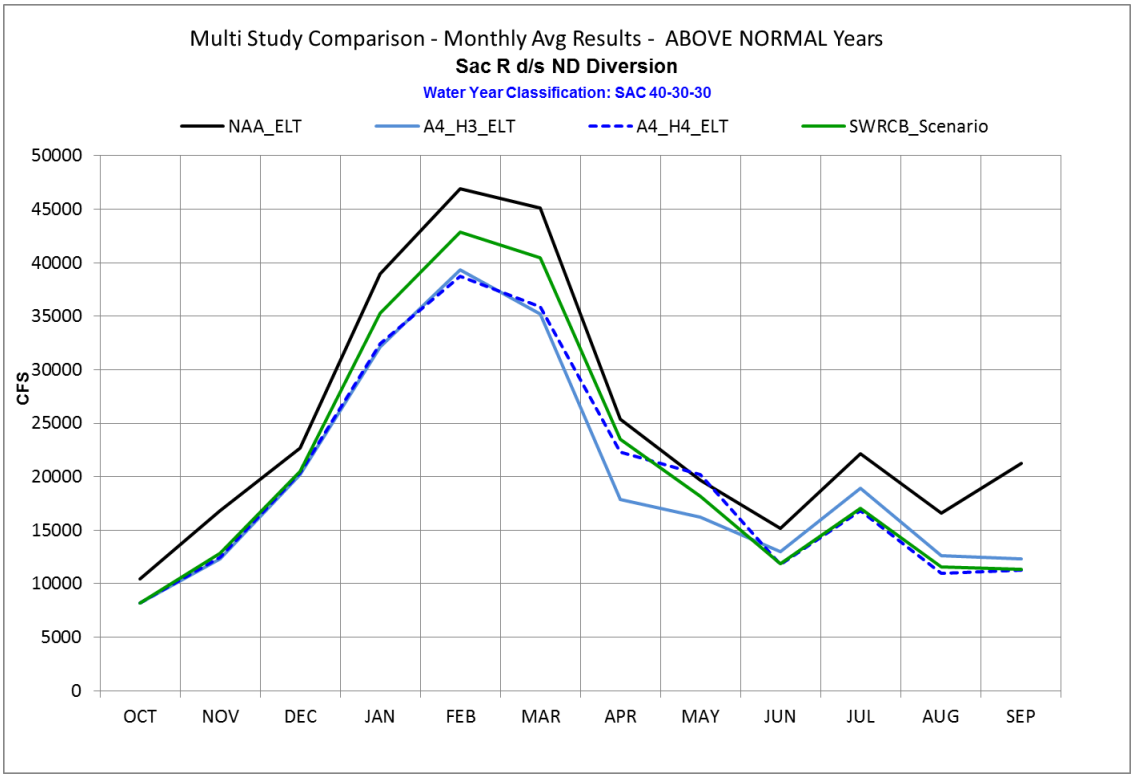

Figure 33: Above Normal Year Average Monthly Sacramento River Flow Downstream of North Delta Intakes

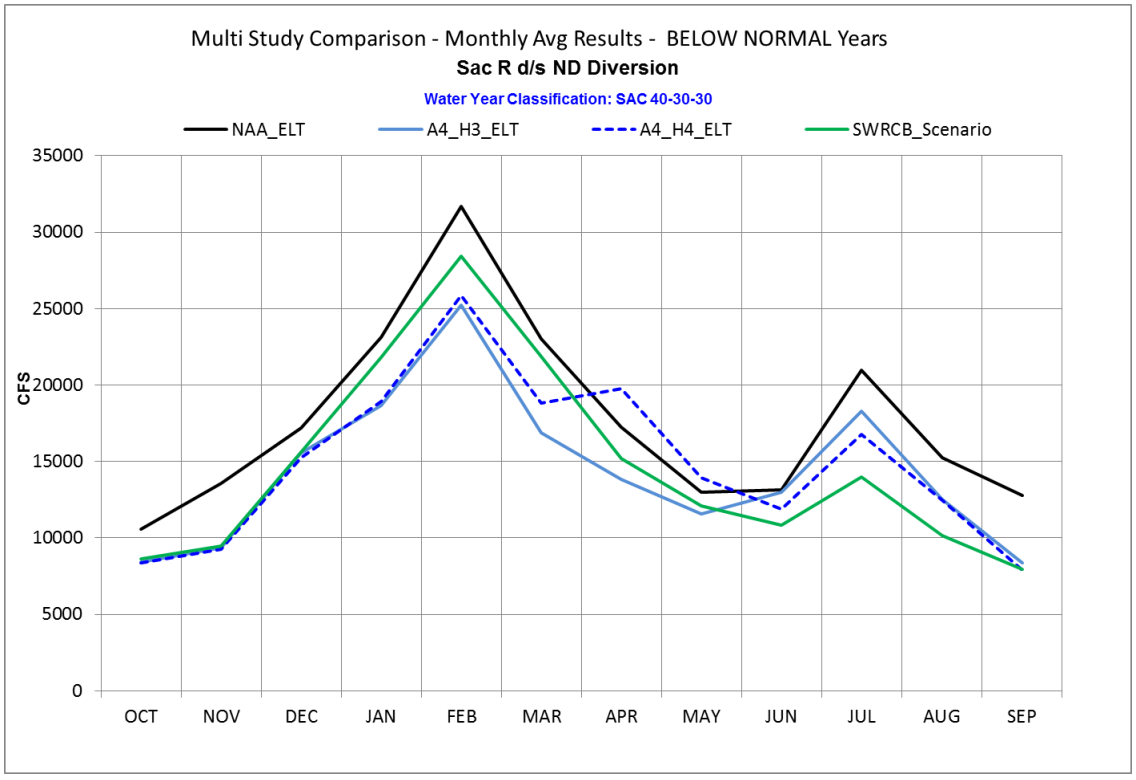

Figure 34: Below Normal Year Average Monthly Sacramento River Flow Downstream of North Delta Intakes

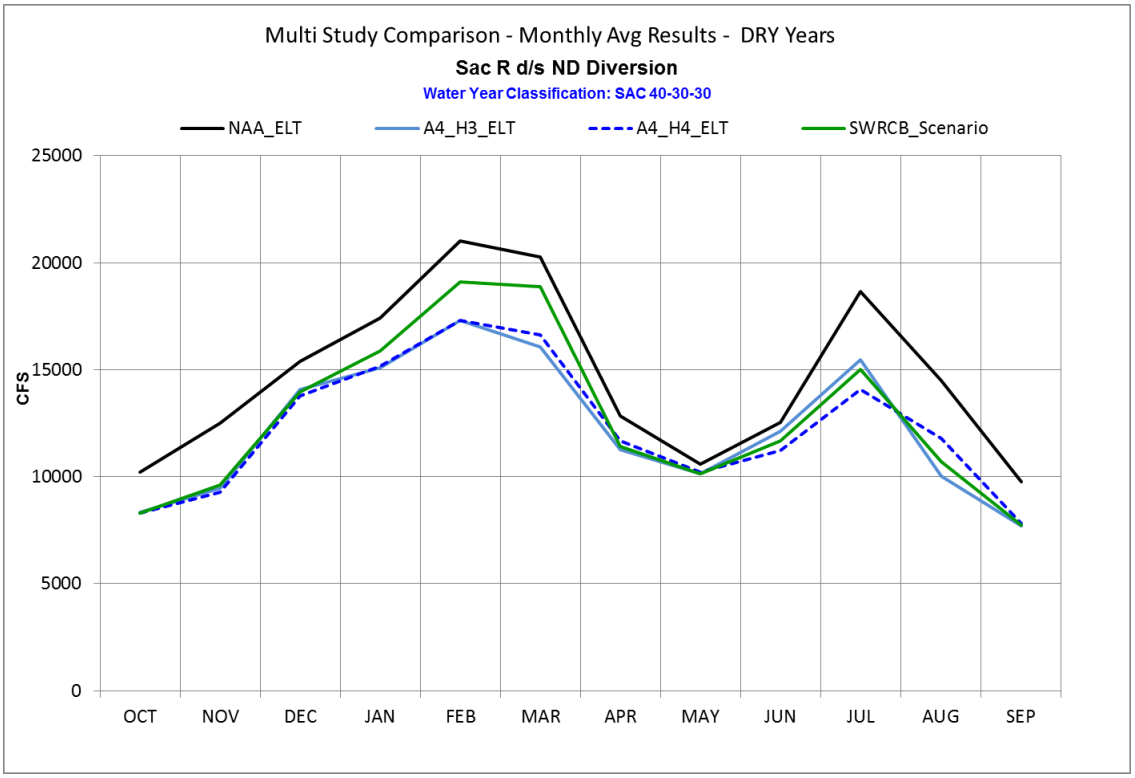

Figure 35: Dry Year Average Monthly Sacramento River Flow Downstream of North Delta Intakes

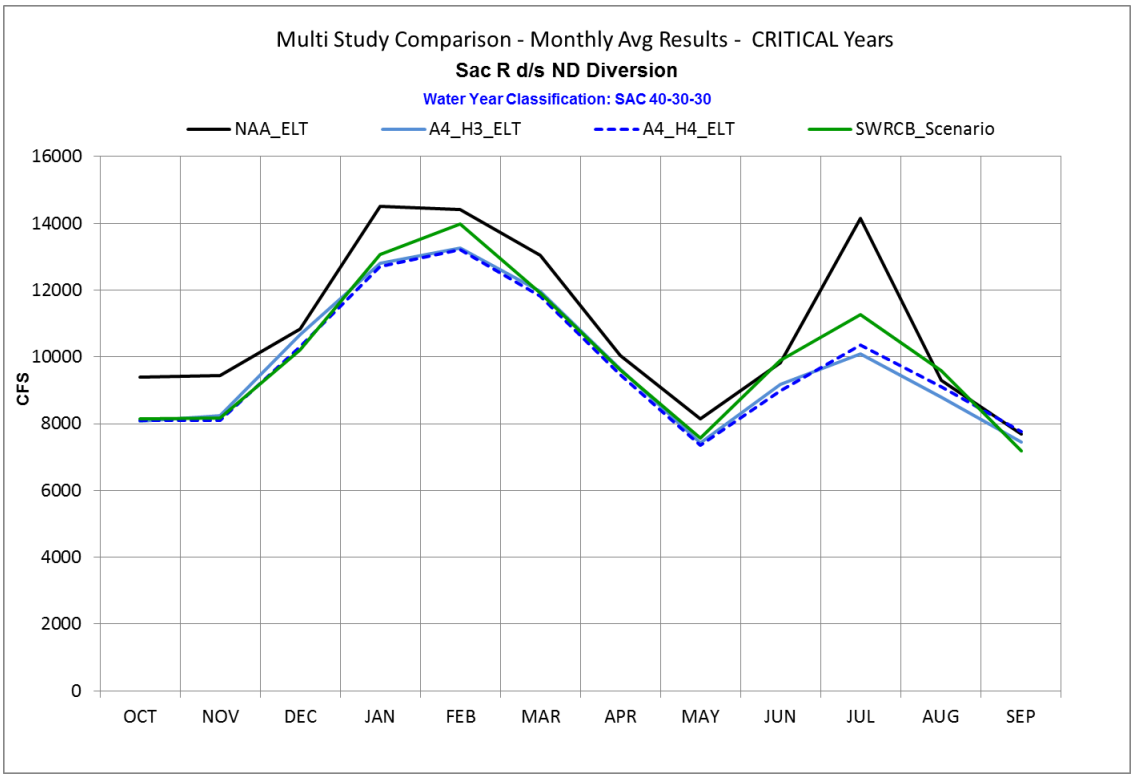

Figure 36: Critical Year Average Monthly Sacramento River Flow Downstream of North Delta Intakes

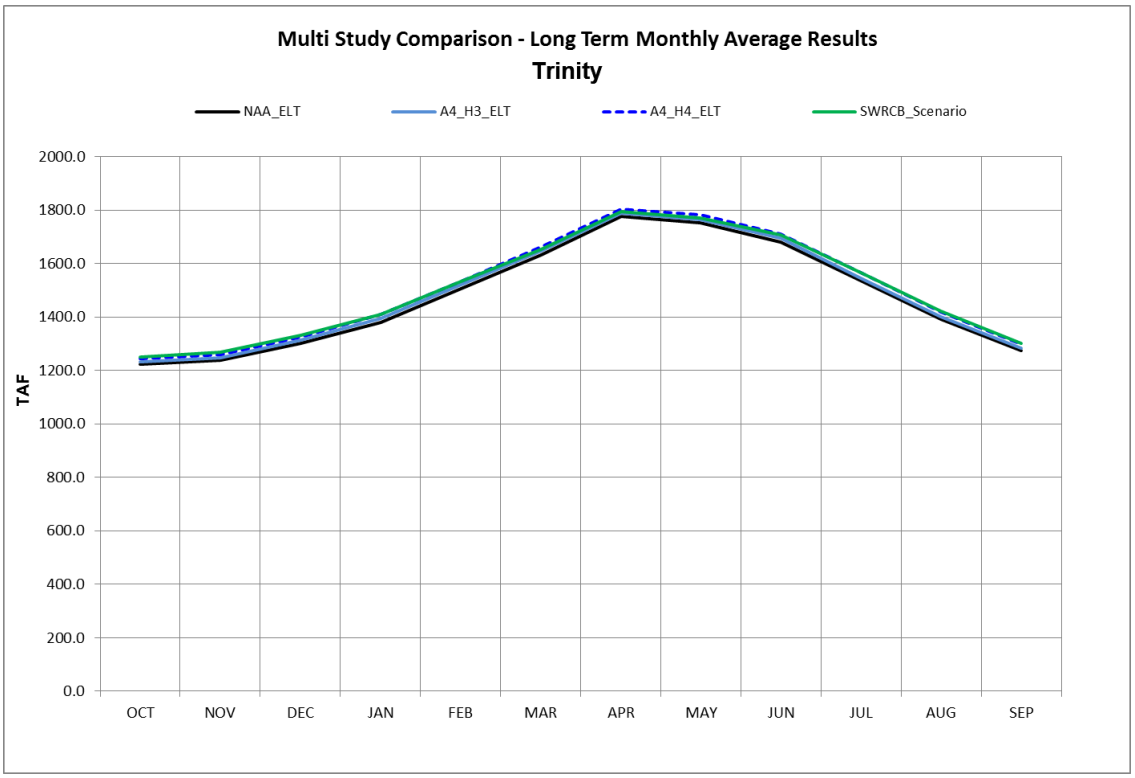

Figure 37: Long-term Average End-of-Month Trinity Lake Storage

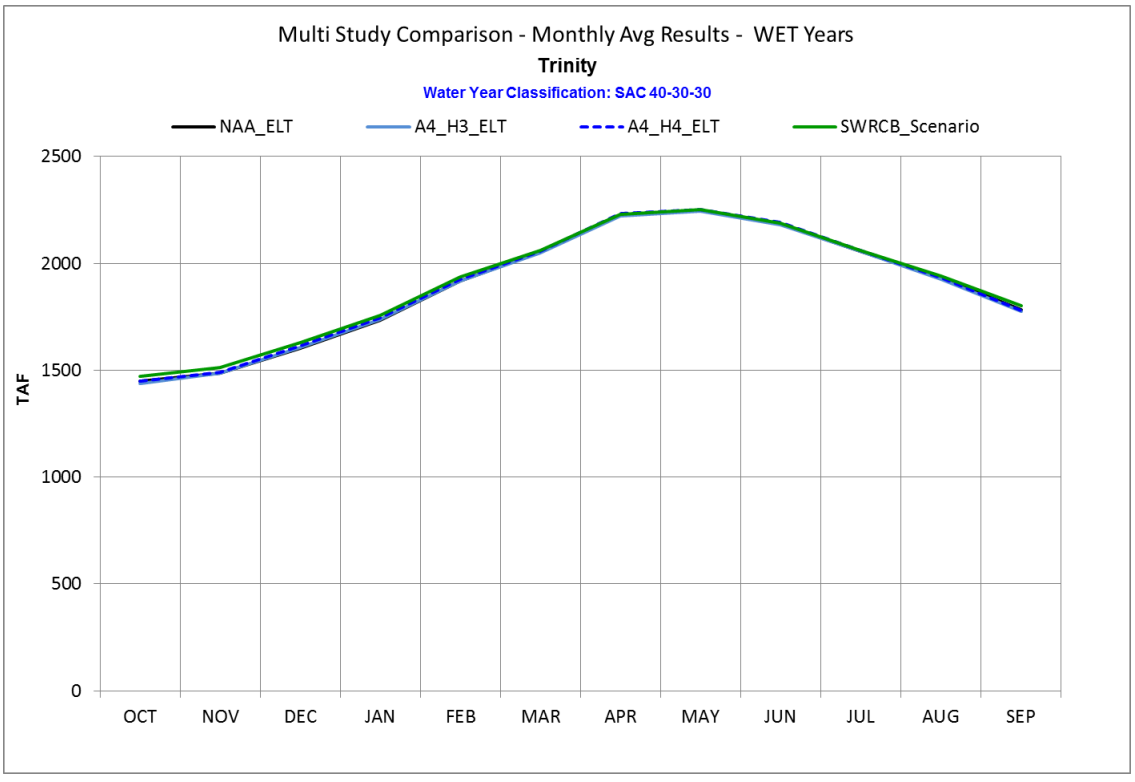

Figure 38: Wet Year Average End-of-Month Trinity Lake Storage

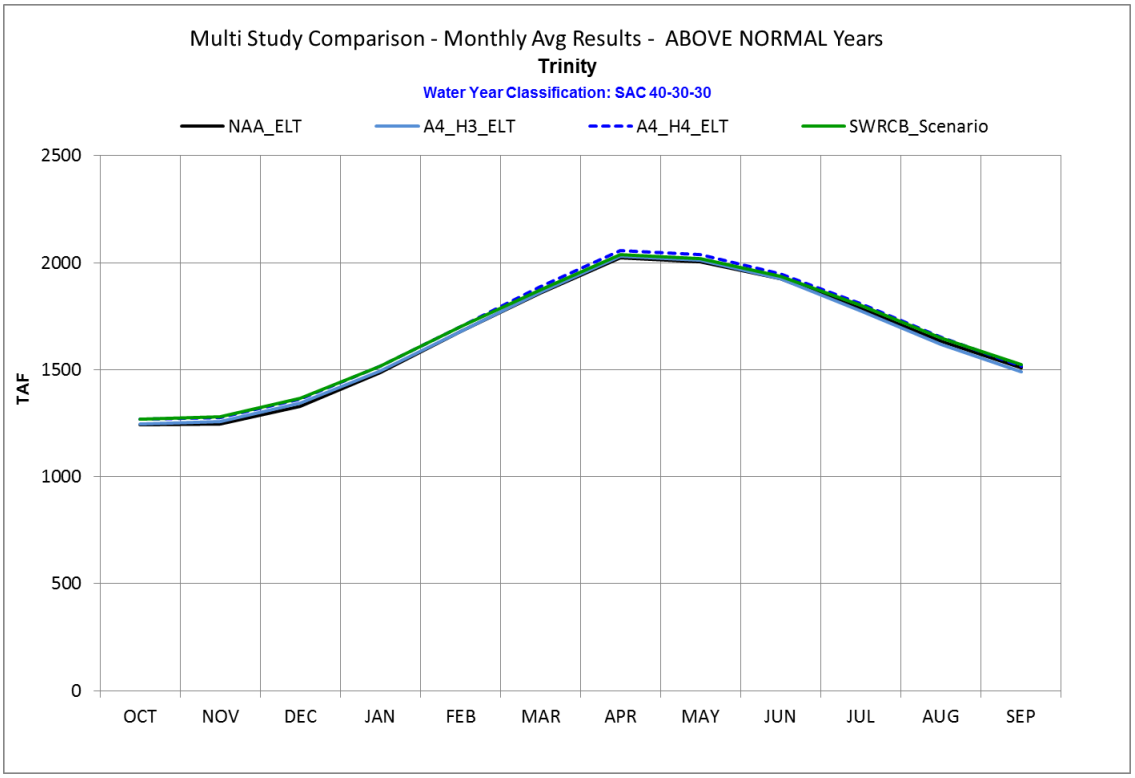

Figure 39: Above Normal Year Average End-of-Month Trinity Lake Storage

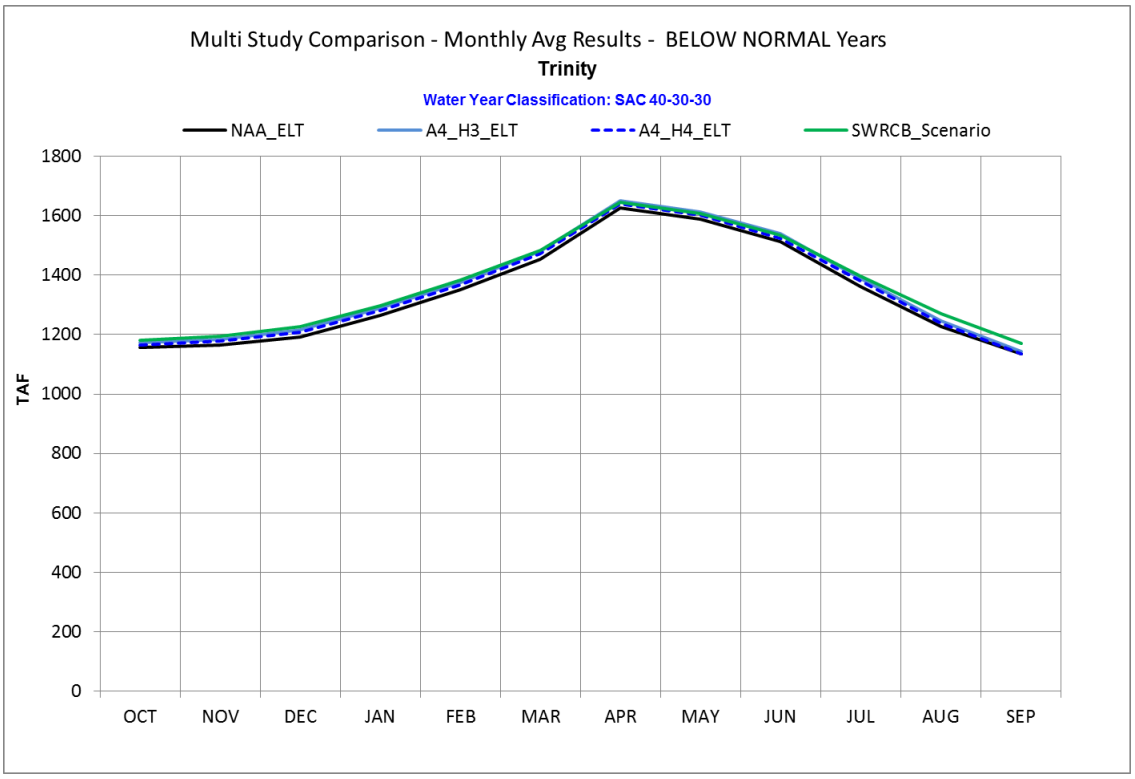

Figure 40: Below Normal Year Average End-of-Month Trinity Lake Storage

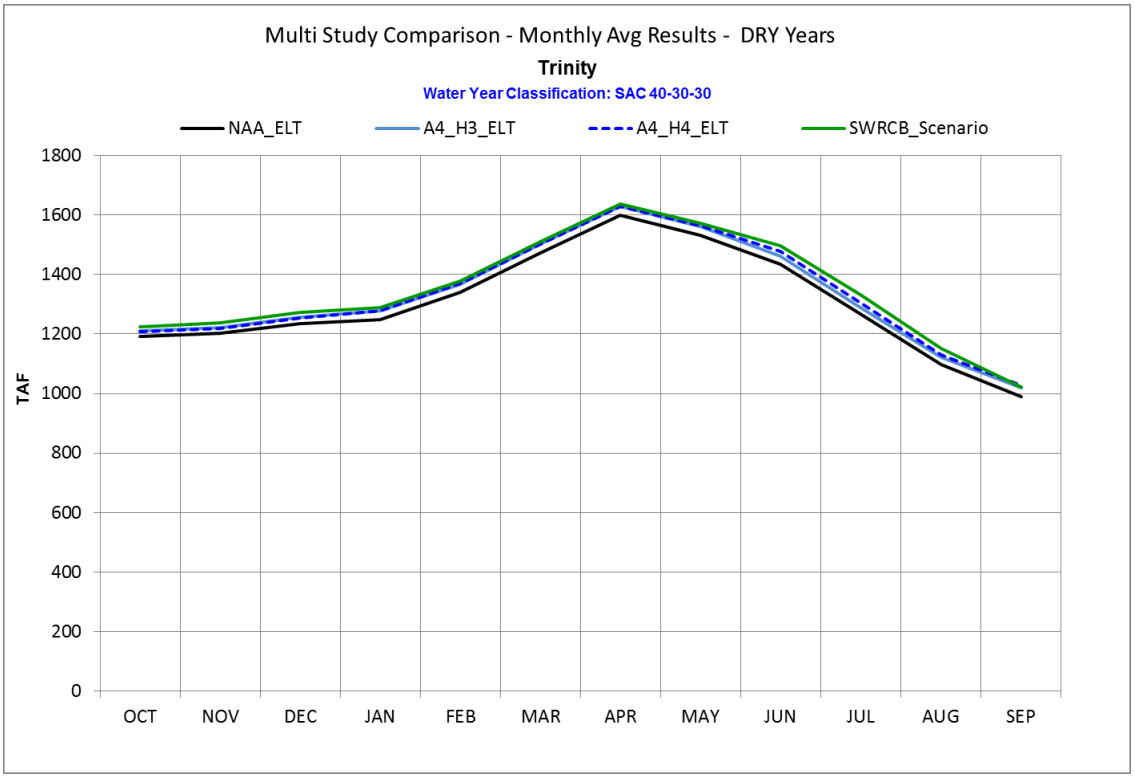

Figure 41: Dry Year Average End-of-Month Trinity Lake Storage

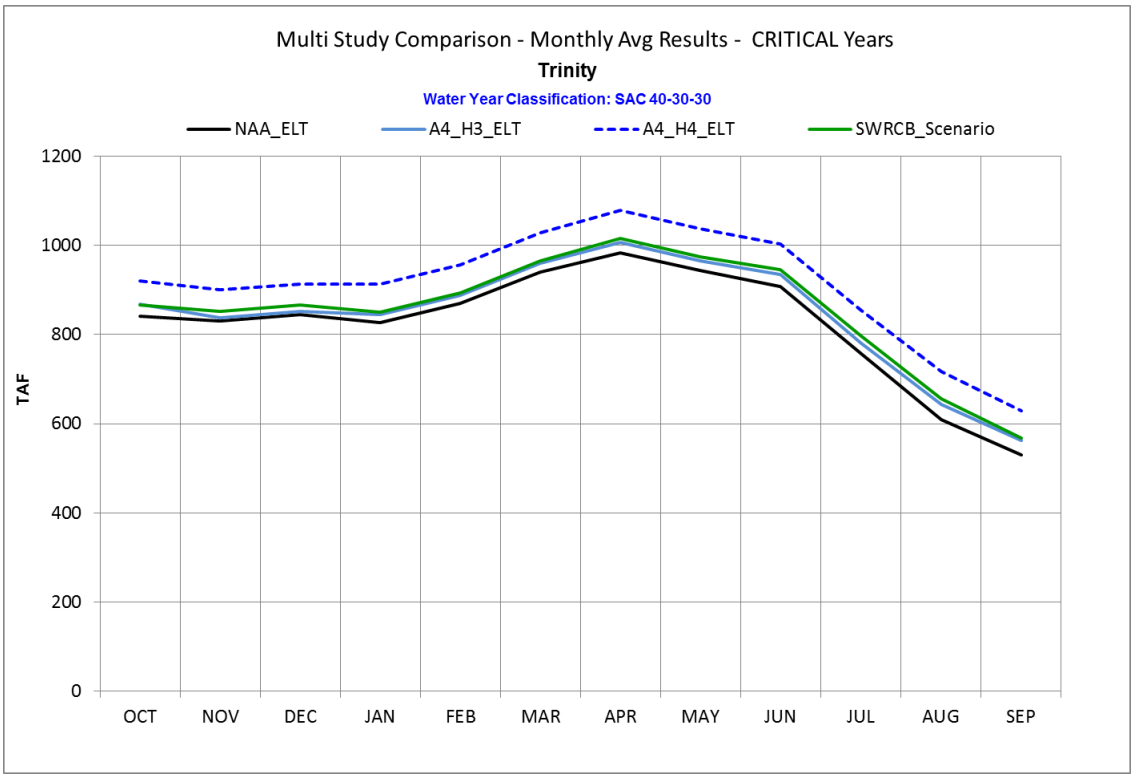

Figure 42: Critical Year Average End-of-Month Trinity Lake Storage

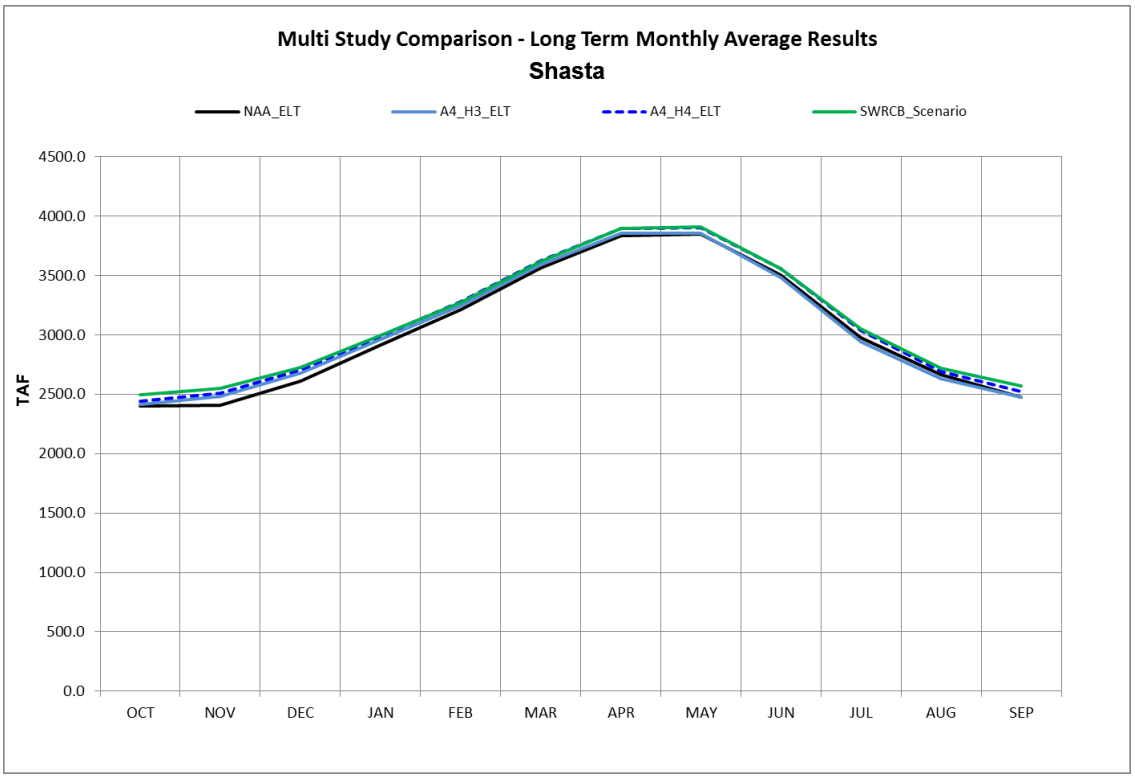

Figure 43: Long-term Average End-of-Month Shasta Lake Storage

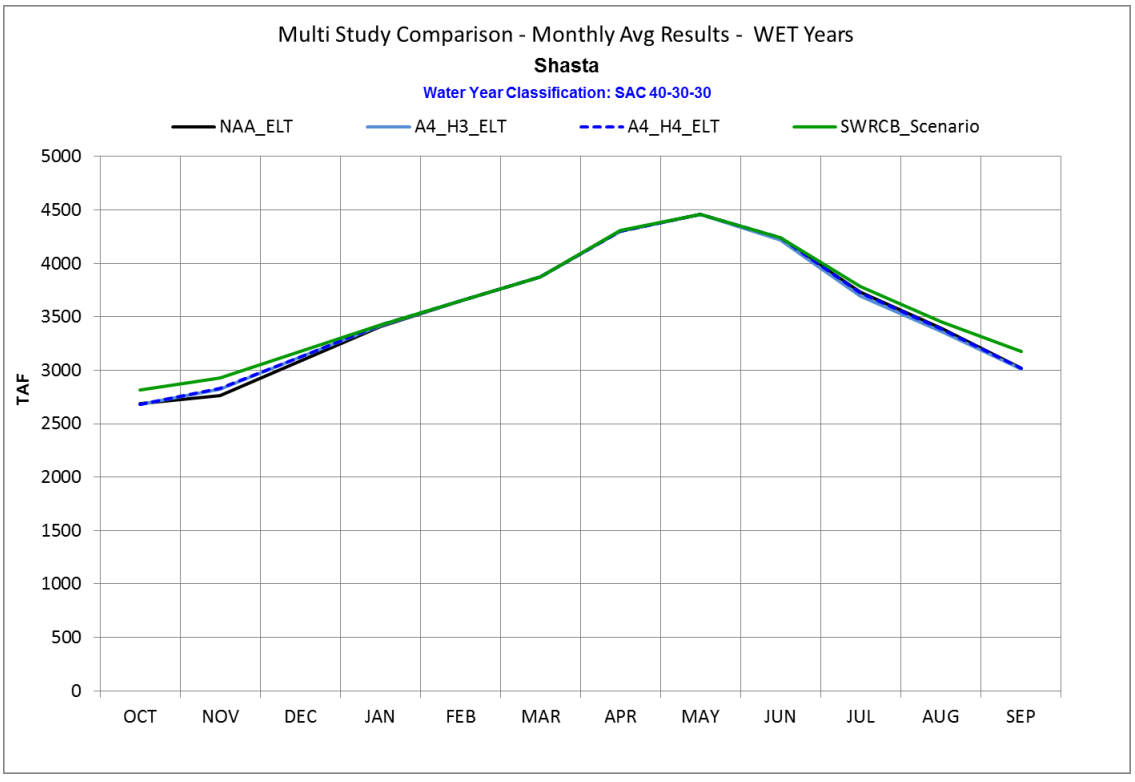

Figure 44: Wet Year Average End-of-Month Shasta Lake Storage

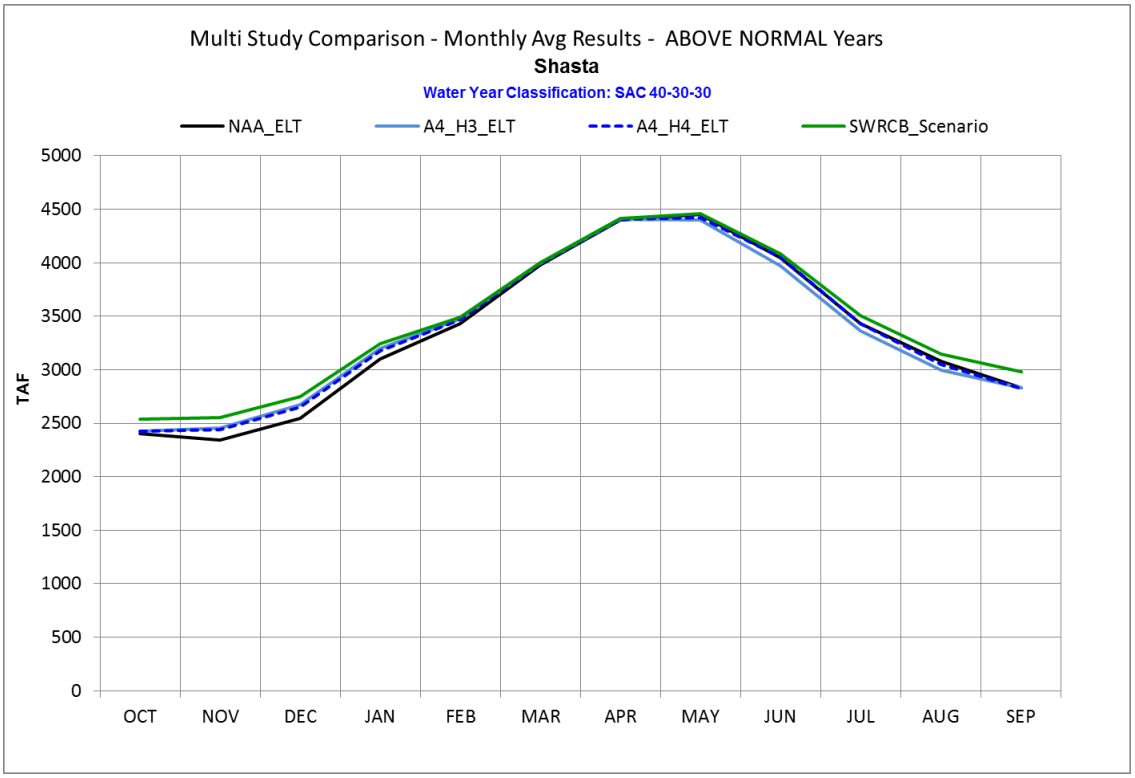

Figure 45: Above Normal Year Average End-of-Month Shasta Lake Storage

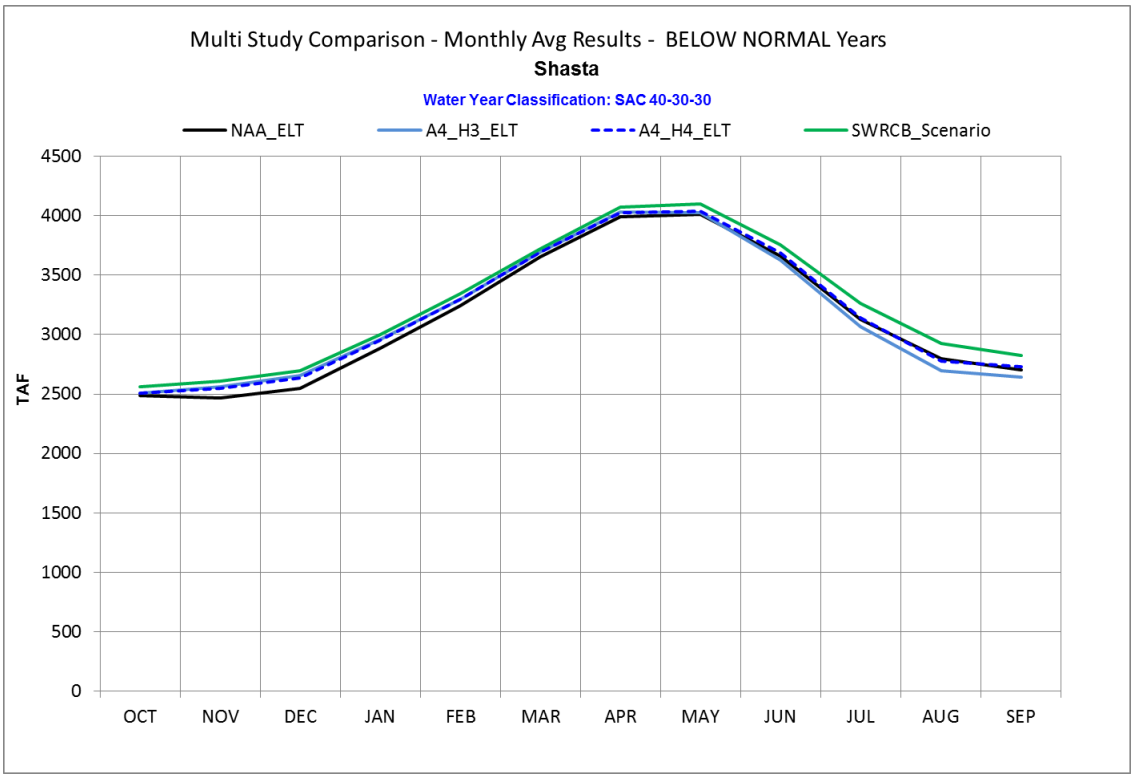

Figure 46: Below Normal Year Average End-of-Month Shasta Lake Storage

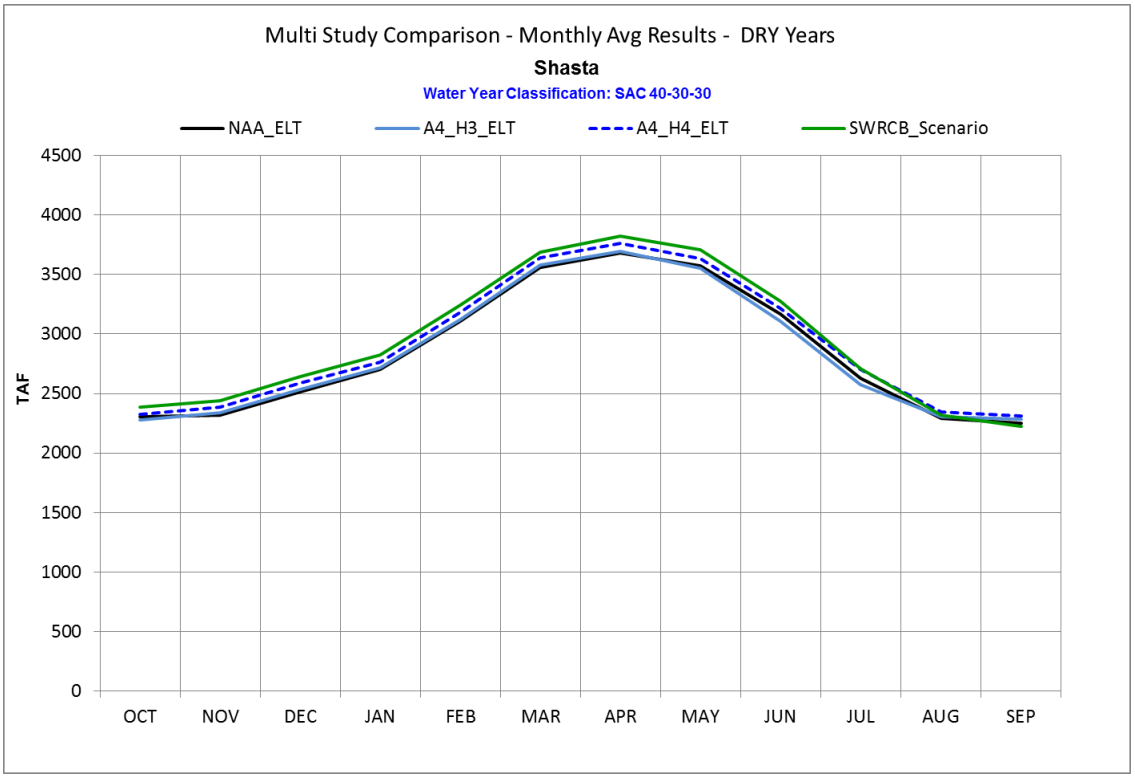

Figure 47: Dry Year Average End-of-Month Shasta Lake Storage

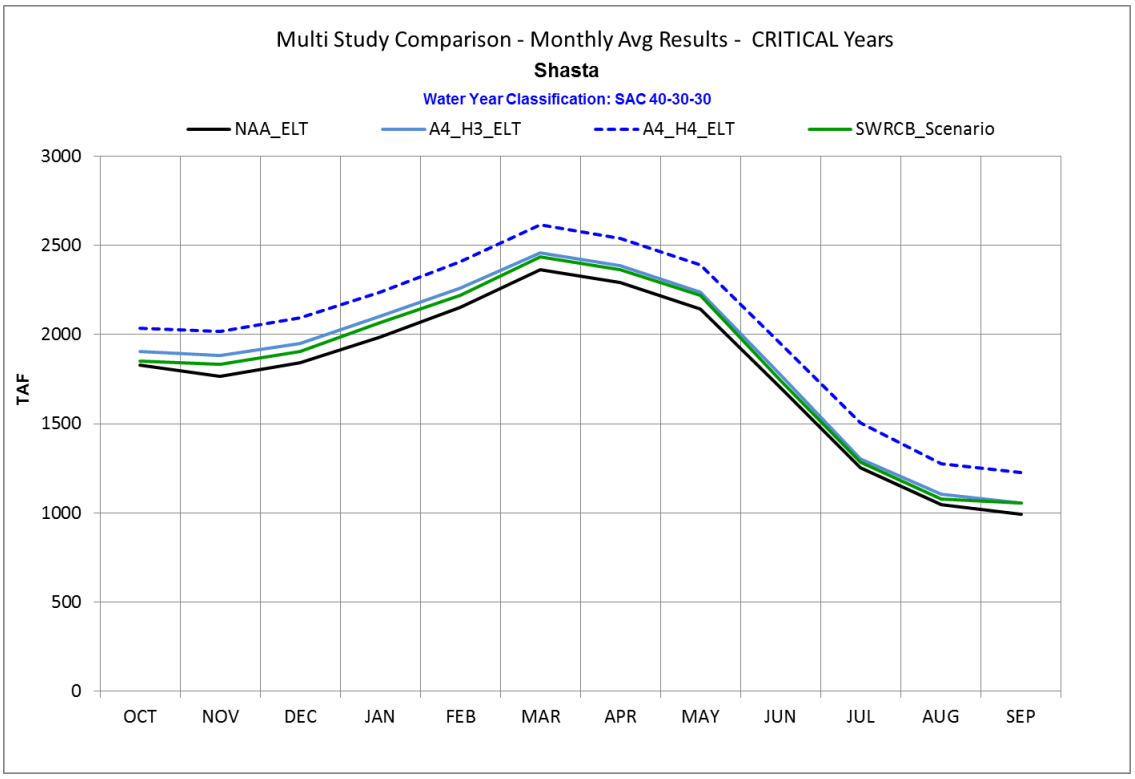

Figure 48: Critical Year Average End-of-Month Shasta Lake Storage

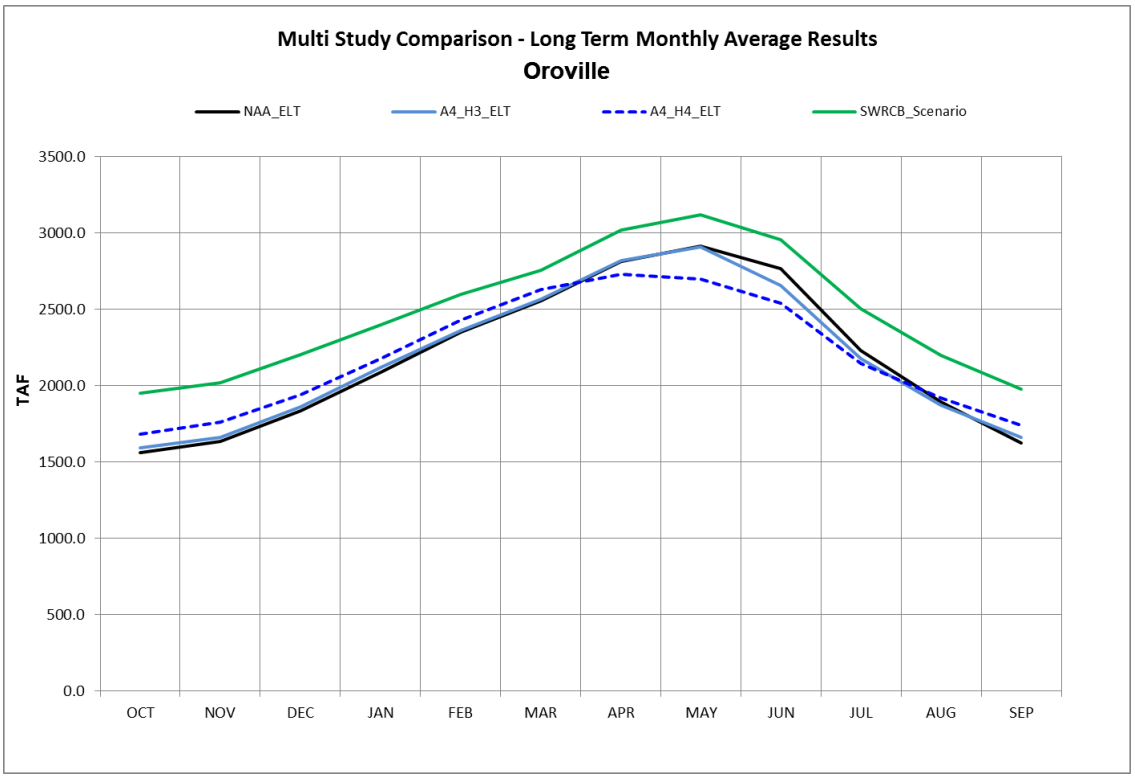

Figure 49: Long-term Average End-of-Month Lake Oroville Storage

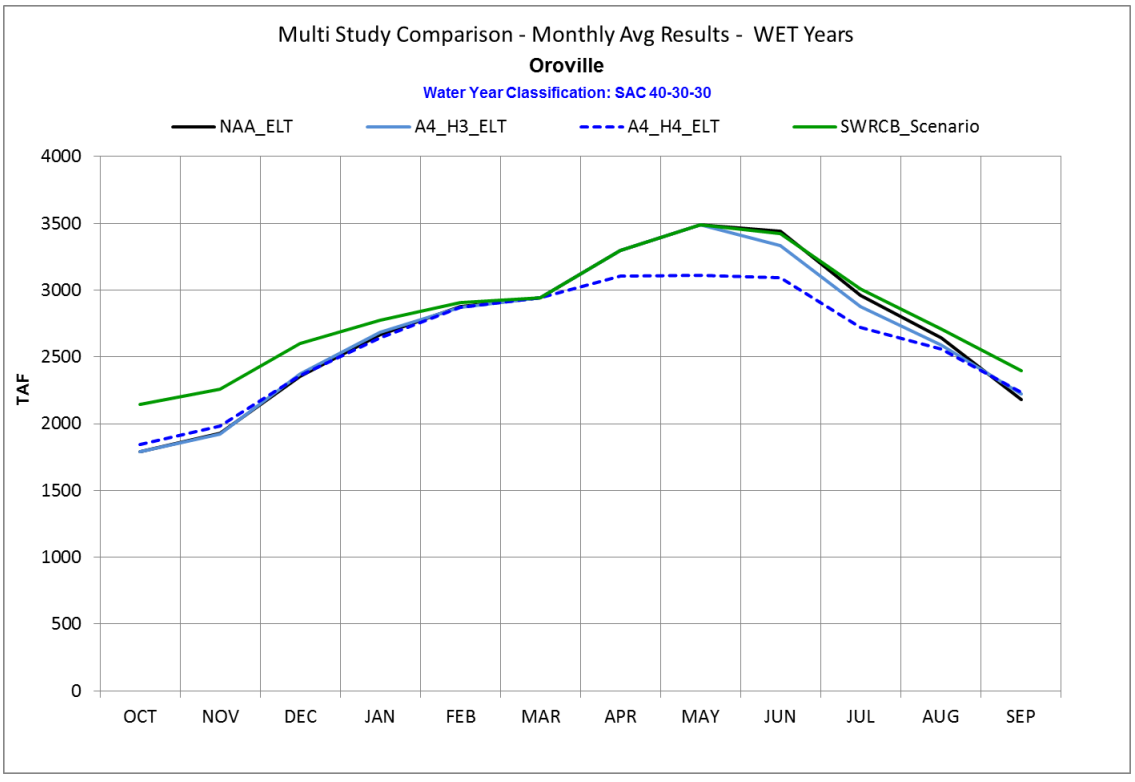

Figure 50: Wet Year Average End-of-Month Lake Oroville Storage

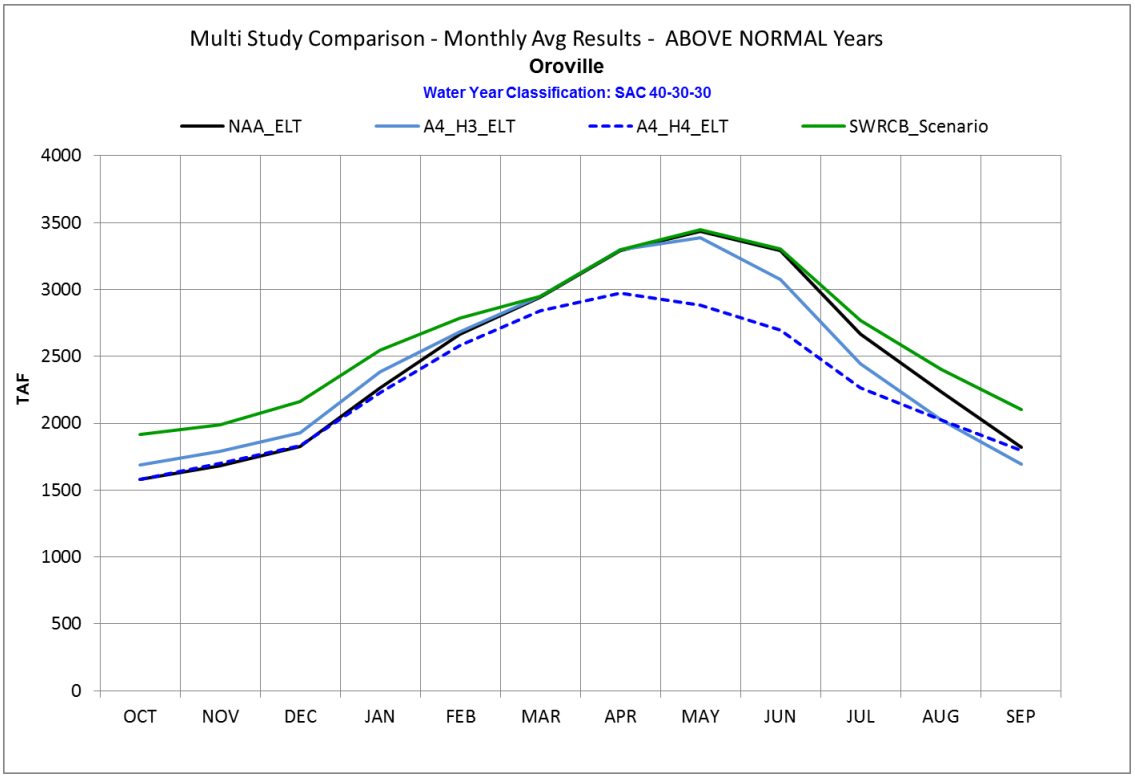

Figure 51: Above Normal Year Average End-of-Month Lake Oroville Storage

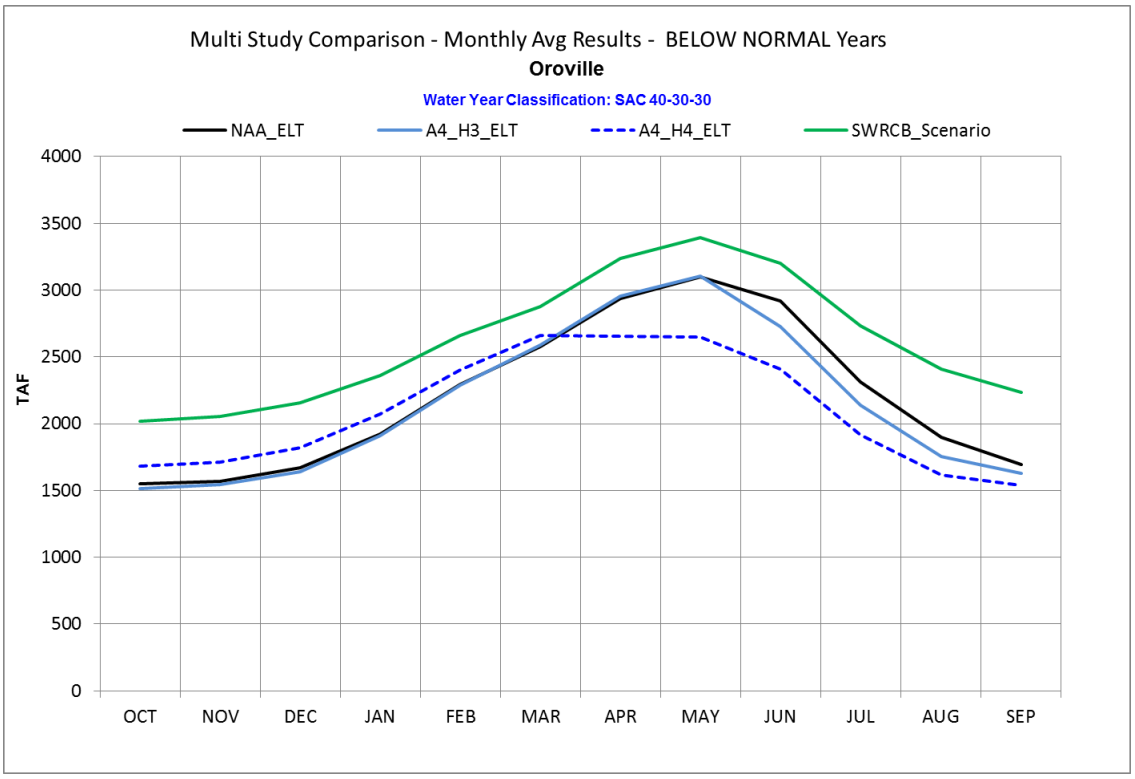

Figure 52: Below Normal Year Average End-of-Month Lake Oroville Storage

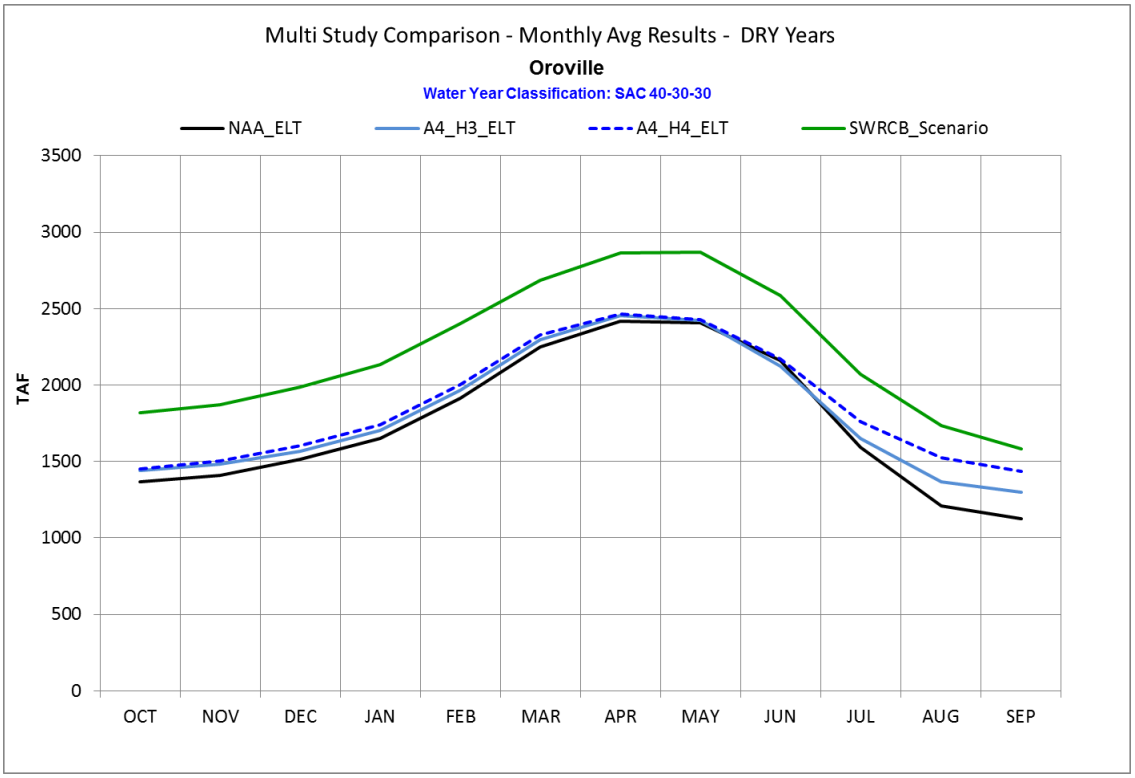

Figure 53: Dry Year Average End-of-Month Lake Oroville Storage

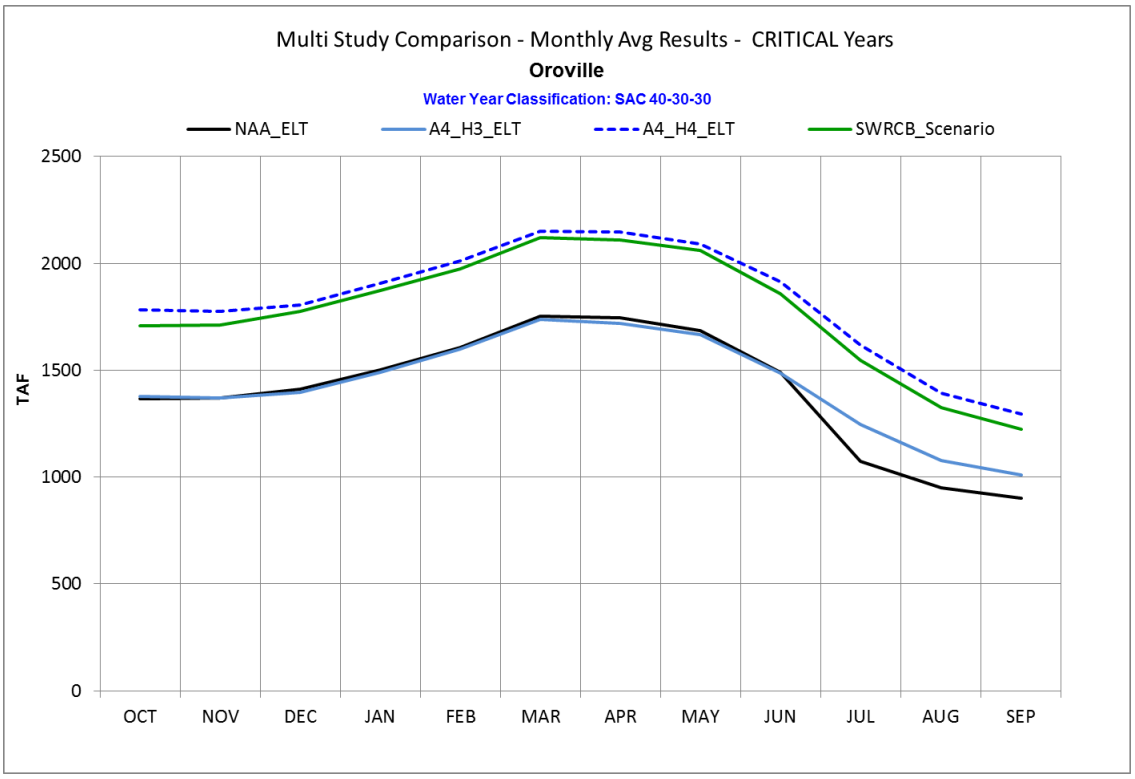

Figure 54: Critical Year Average End-of-Month Lake Oroville Storage

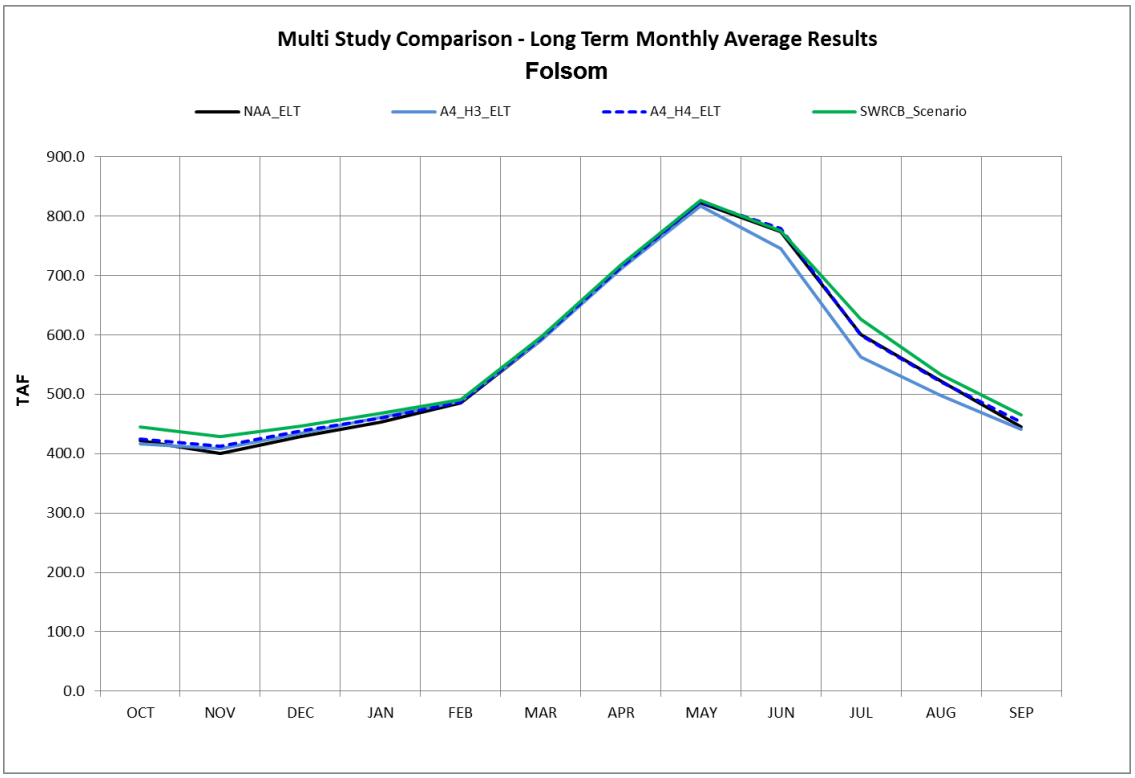

Figure 55: Long-term Average End-of-Month Folsom Lake Storage

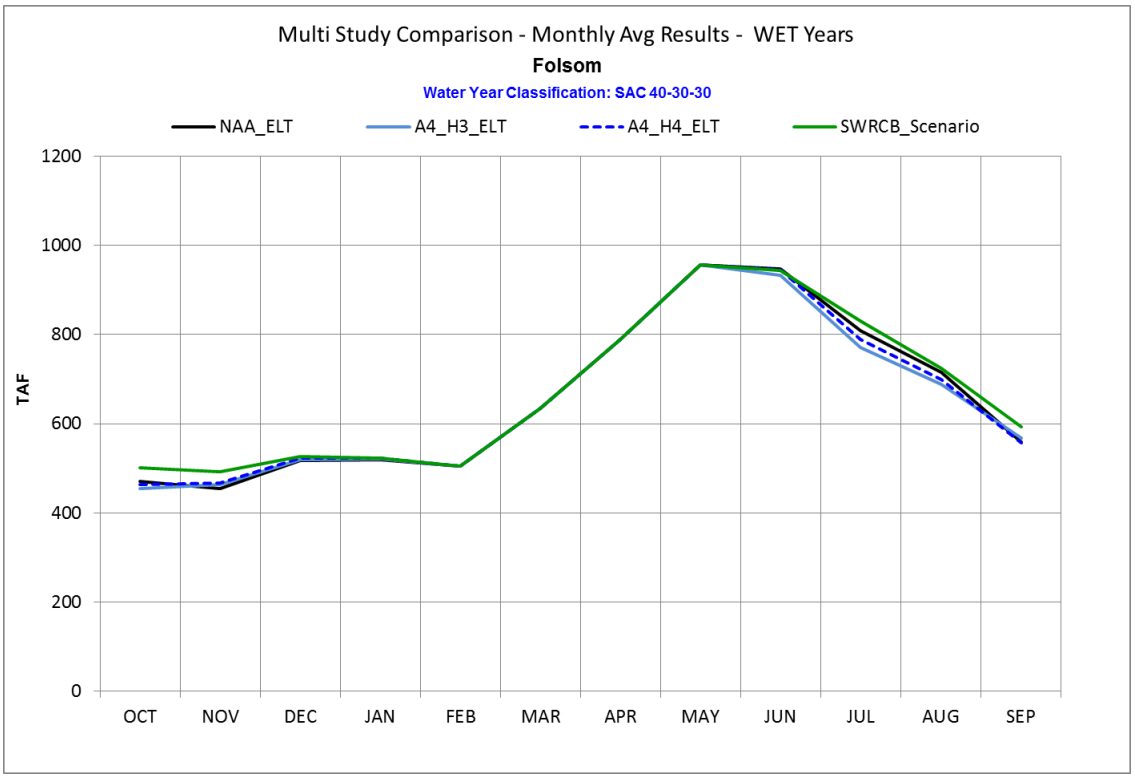

Figure 56: Wet Year Average End-of-Month Folsom Lake Storage

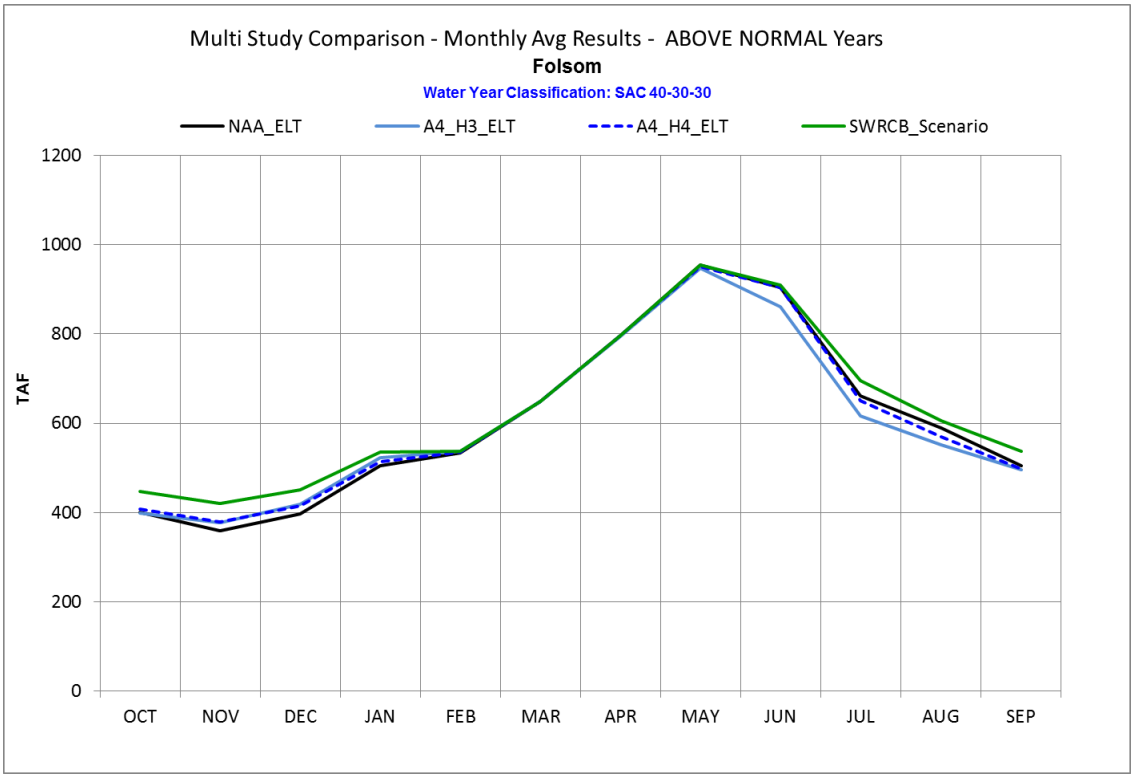

Figure 57: Above Normal Year Average End-of-Month Folsom Lake Storage

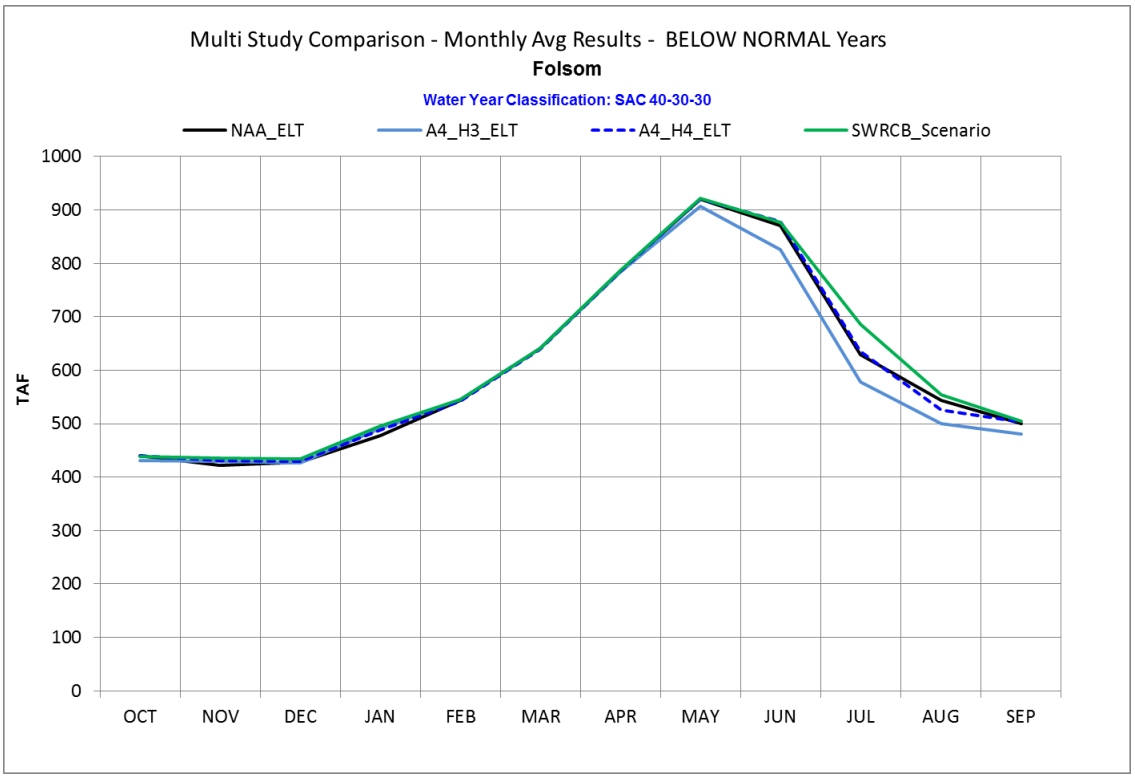

Figure 58: Below Normal Year Average End-of-Month Folsom Lake Storage

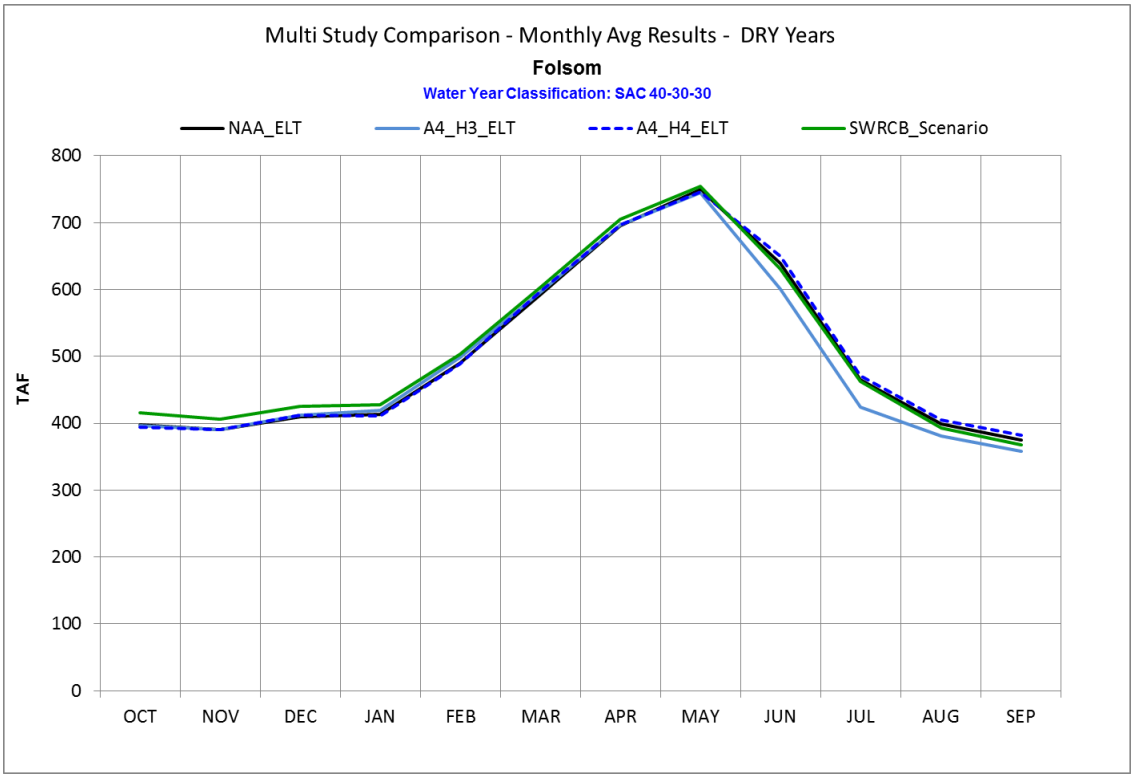

Figure 59: Dry Year Average End-of-Month Folsom Lake Storage

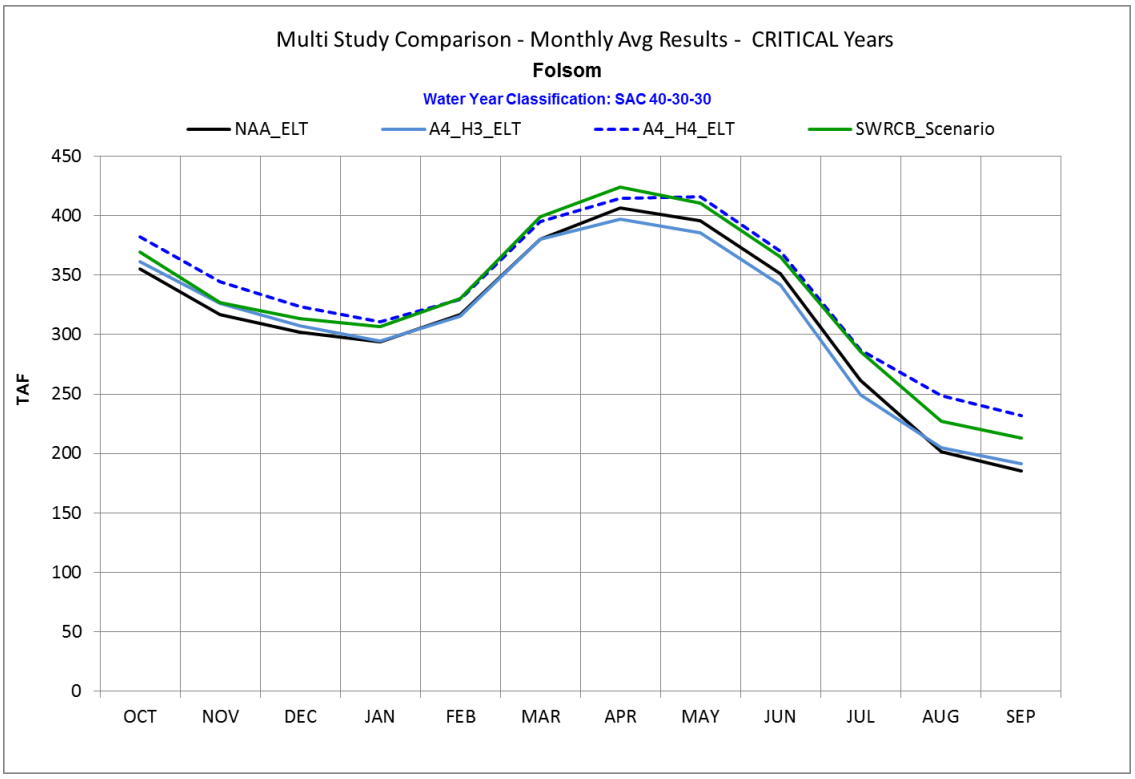

Figure 60: Critical Year Average End-of-Month Folsom Lake Storage

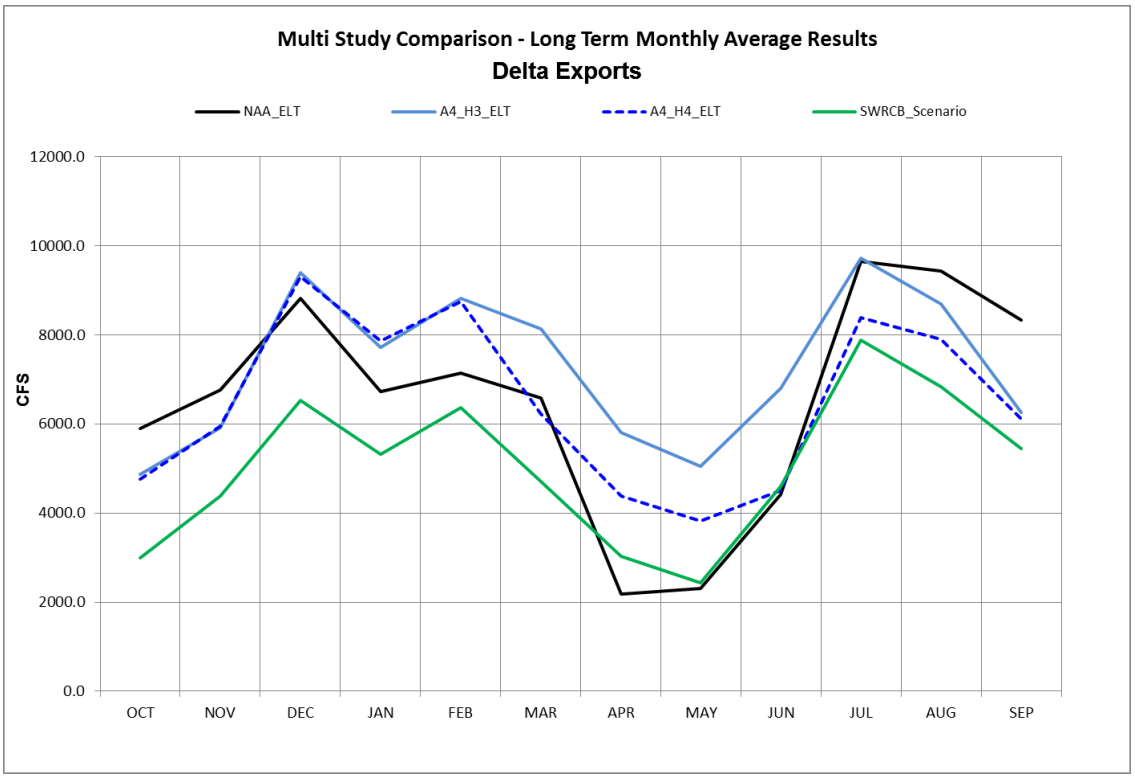

Figure 61: Long-term Average Monthly Total Delta Exports

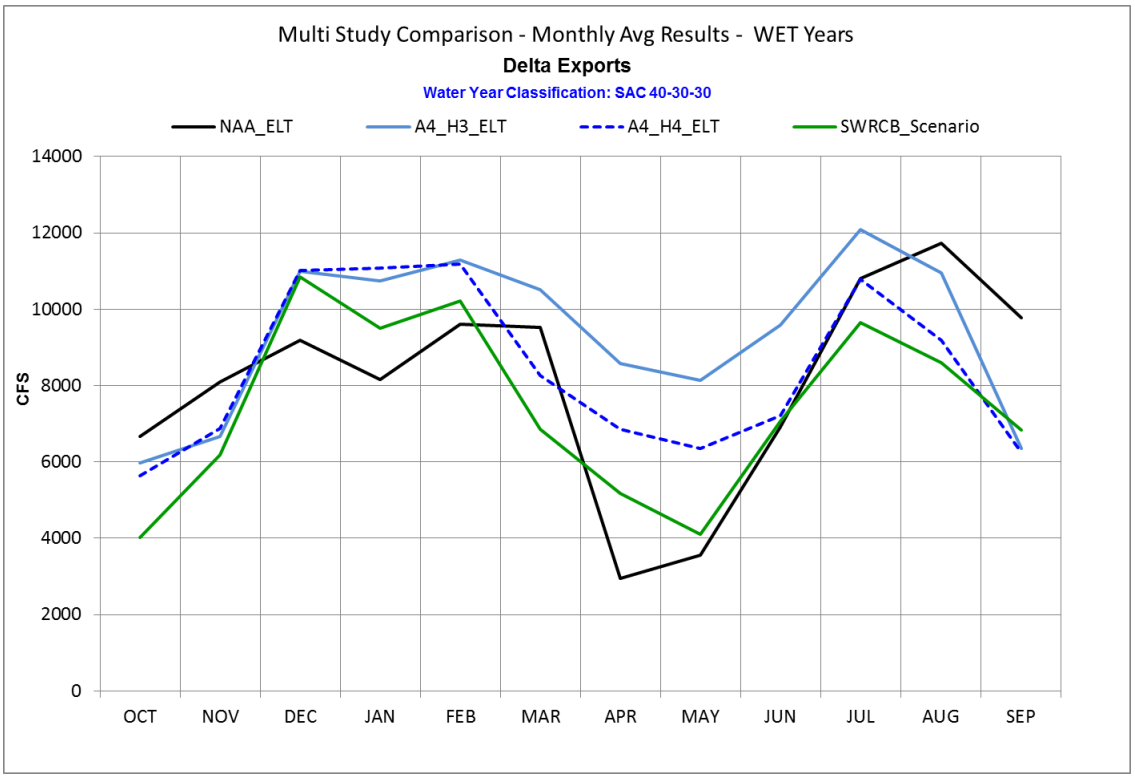

Figure 62: Wet Year Average Monthly Total Delta Exports

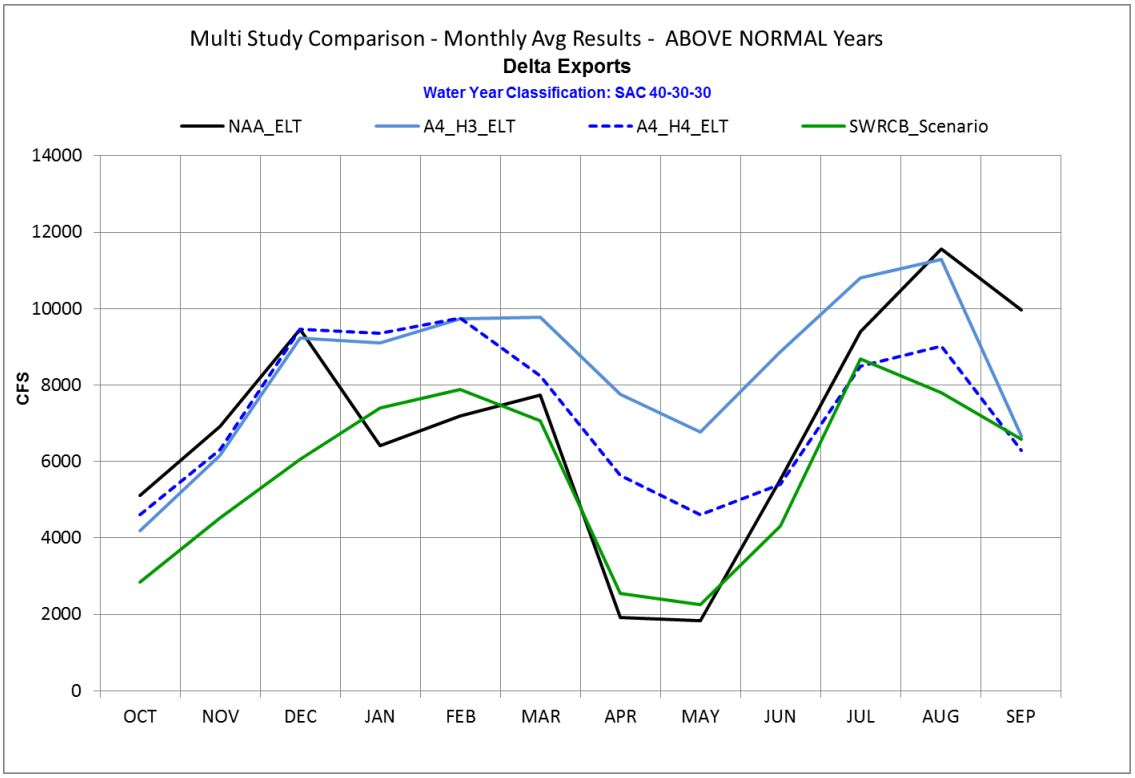

Figure 63: Above Normal Year Average Monthly Total Delta Exports

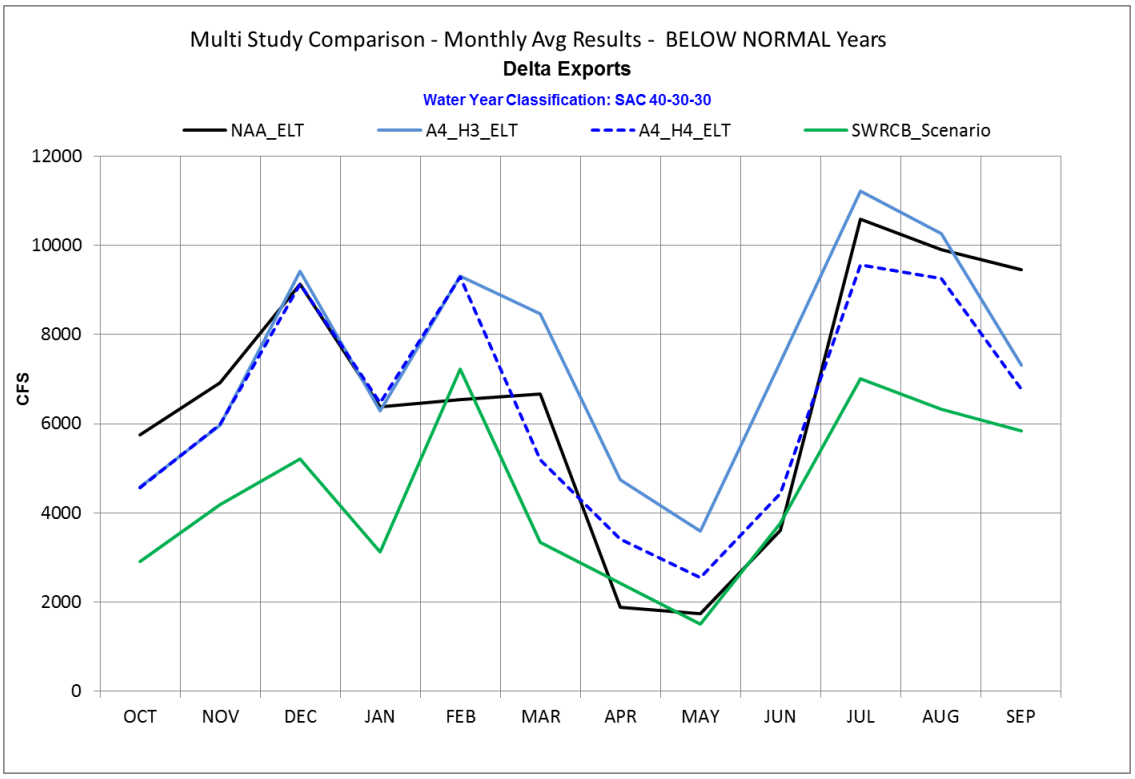

Figure 64: Below Normal Year Average Monthly Total Delta Exports

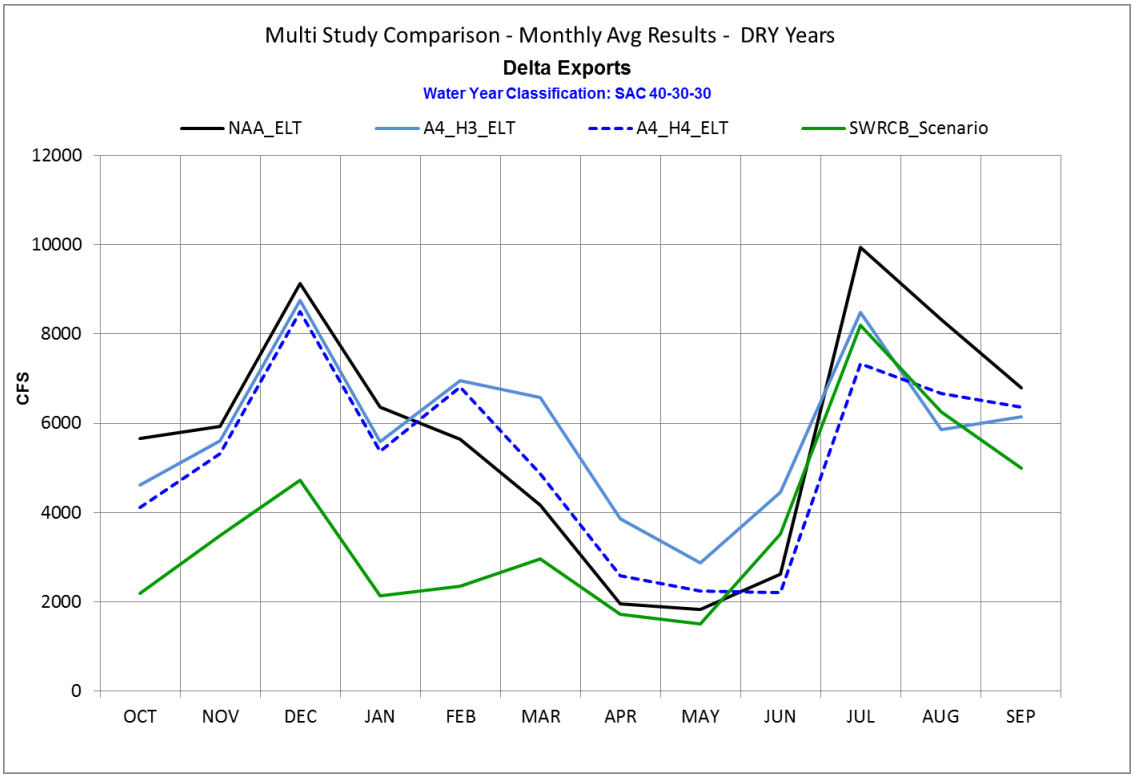

Figure 65: Dry Year Average Monthly Total Delta Exports

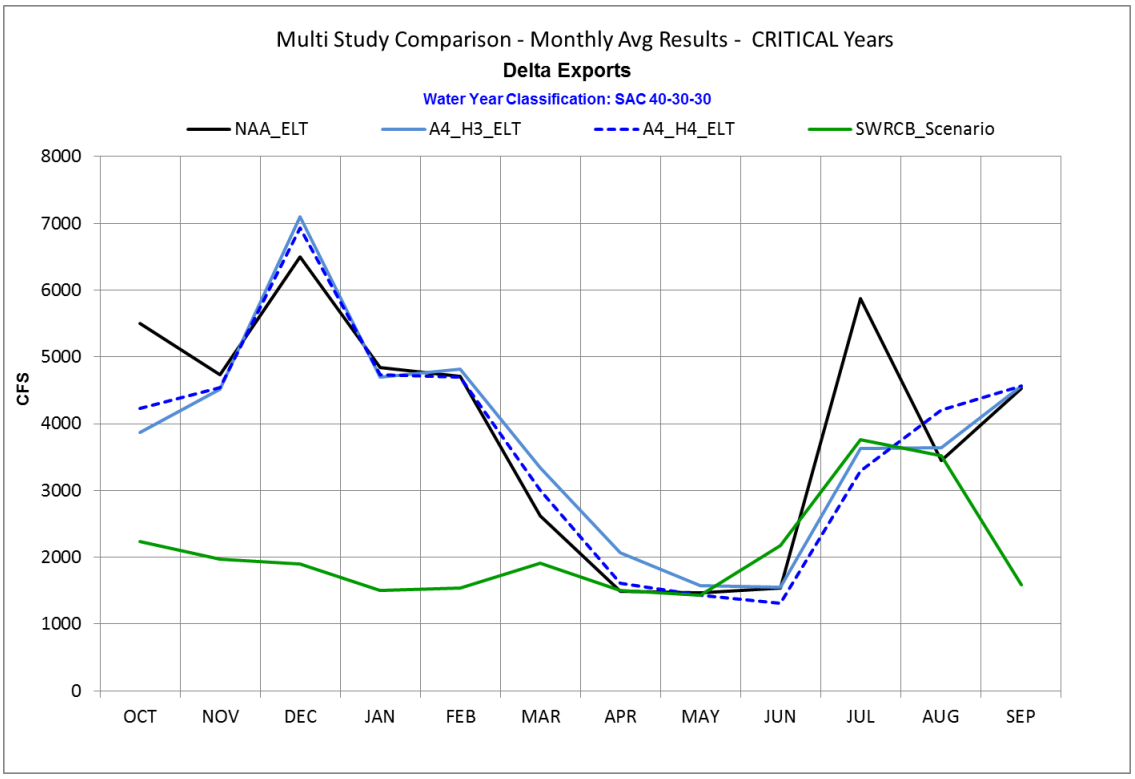

Figure 66: Critical Year Average Monthly Total Delta Exports

C.4 Modeling Results

Modeling results for the State Water Board requested scenario are provided below. These results were used to determine the environmental impacts of the State Water Board requested scenario, as set forth in the following tables. Consistent with the goals of this analysis, the nature and severity of the impacts fall within the range of impacts disclosed under Alternative 4H3 and Alternative 8. Generally, for water supply related effects (effects to agricultural resources, groundwater resources, etc.), the impacts are equal to or less than the impacts disclosed under Alternative 8. For biological related effects (effects on fish species) the impacts are less than significant, similar to Alternative 4H3.

The modeling results for storage, flow and temperature under the operational scenario requested by State Water Board staff were compared with the No Action Alternative at Year 2025 (ELT) to determine if the modeled scenario met the intended goals of avoiding the impacts to fish and aquatic resources disclosed under Alternative 8. While all water temperature objectives were met under the operational scenario, there were some cases where flows in the high flow channel of the Feather River and in the American River were slightly less than those of the No Action Alternative at Year 2025 (ELT). Additionally, Delta outflow in April and May was not significantly greater than outflow under the Alternative 4H3 or the No Action Alternative at Year 2025 (ELT). Storage volumes in Folsom, Shasta, and particularly Oroville exceeded the No Action Alternative at Year 2025 (ELT) in all water-year types due to built-in assumptions in the CALSIM modeling associated with reductions in exports due to increased Old and Middle River (OMR) constraints (compared to Alt 4_H3) and to meet the additional outflows targets described in Table C-A. To the extent that releasing this increased storage would not impact cold water pool supplies or instream flows necessary to protect fish or other beneficial uses, this increased storage could potentially be available to offset water supply effects or to further augment Delta outflows or instream flows.

C.4.1 Flow

C.4.1.1 Upstream

Sacramento River at Keswick

Table C-1. Mean Monthly Flows (cfs) for Model Scenarios in the Sacramento River at Keswick, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	17,330	17,764	18,445
	AN	7,776	8,471	8,847
	BN	4,340	4,918	4,930
	D	4,098	4,098	4,115
	C	3,794	3,516	3,452
	All	8,829	9,126	9,393
Feb	W	20,349	20,494	20,690
	AN	15,081	15,912	16,501
	BN	6,456	6,808	6,713
	D	3,447	3,506	3,319
	C	3,394	3,510	3,675
	All	11,015	11,272	11,388
Mar	W	16,399	16,408	16,434
	AN	8,662	9,205	9,454
	BN	4,306	4,472	4,844
	D	3,858	3,771	3,867
	C	3,608	3,802	3,533
	All	8,577	8,697	8,787
Apr	W	9,254	9,242	9,238
	AN	5,712	5,822	5,783
	BN	4,934	5,000	4,855
	D	5,497	5,633	5,255
	C	6,343	6,313	6,215
	All	6,748	6,797	6,667
May	W	8,183	8,191	8,163
	AN	7,307	8,189	7,520
	BN	6,411	6,810	6,309
	D	7,075	7,496	7,149
	C	6,900	6,920	6,871
	All	7,321	7,616	7,341
Jun	W	10,063	10,321	10,064
	AN	11,403	12,068	10,995
	BN	10,573	11,267	10,388
	D	11,464	12,141	11,564
	C	11,041	11,252	11,481
	All	10,797	11,274	10,792

State Water Board Alternative: Upstream—Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jul	W	13,477	13,698	12,583
	AN	14,541	14,615	13,936
	BN	13,195	13,673	12,312
	D	13,650	13,653	13,999
	C	12,124	12,471	12,116
	All	13,424	13,639	12,977
Aug	W	10,447	10,520	10,435
	AN	10,835	11,165	10,909
	BN	9,876	10,757	9,890
	D	10,464	9,380	11,518
	C	8,380	8,093	8,291
	All	10,108	10,049	10,335
Sep	W	12,012	11,720	10,083
	AN	9,209	7,834	7,825
	BN	5,677	5,156	5,971
	D	4,982	4,543	6,313
	C	4,827	4,717	4,354
	All	7,926	7,430	7,384
Oct	W	6,491	6,408	6,508
	AN	6,090	5,750	6,308
	BN	5,835	5,662	5,929
	D	5,899	5,862	5,805
	C	5,452	5,161	5,117
	All	6,038	5,882	6,022
Nov	W	7,620	6,493	6,847
	AN	7,357	5,716	6,011
	BN	5,926	4,553	4,586
	D	5,439	4,627	4,683
	C	4,789	4,437	4,153
	All	6,399	5,337	5,469
Dec	W	12,808	12,958	13,976
	AN	5,729	5,370	5,705
	BN	5,857	5,667	5,794
	D	3,883	3,877	3,841
	C	3,593	3,703	3,632
	All	7,278	7,255	7,630

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-2. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Sacramento River at Keswick, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	434 (2.5%)	1,115 (6.4%)	681 (3.8%)
	AN	695 (8.9%)	1,071 (13.8%)	376 (4.4%)
	BN	577 (13.3%)	589 (13.6%)	12 (0.3%)
	D	0 (0%)	17 (0.42%)	17 (0.41%)
	C	-278 (-7.3%)	-341 (-9%)	-64 (-1.8%)
	All	297 (3.4%)	565 (6.4%)	267 (2.9%)
Feb	W	145 (0.7%)	341 (1.7%)	196 (1%)
	AN	832 (5.5%)	1,421 (9.4%)	589 (3.7%)
	BN	352 (5.5%)	258 (4%)	-95 (-1.4%)
	D	59 (1.7%)	-128 (-3.7%)	-187 (-5.3%)
	C	116 (3.4%)	281 (8.26%)	165 (4.7%)
	All	258 (2.3%)	373 (3.4%)	115 (1%)
March	W	9 (0.1%)	35 (0.2%)	26 (0.2%)
	AN	543 (6.3%)	792 (9.1%)	249 (2.7%)
	BN	166 (3.8%)	538 (12.5%)	372 (8.3%)
	D	-88 (-2.3%)	8 (0.2%)	96 (2.5%)
	C	194 (5.4%)	-75 (-2.1%)	-269 (-7.1%)
	All	120 (1.4%)	210 (2.4%)	90 (1%)
April	W	-12 (-0.1%)	-16 (-0.2%)	-4 (0%)
	AN	110 (1.9%)	71 (1.2%)	-39 (-0.7%)
	BN	66 (1.3%)	-79 (-1.6%)	-146 (-2.9%)
	D	136 (2.5%)	-242 (-4.4%)	-378 (-6.7%)
	C	-30 (-0.5%)	-128 (-2%)	-98 (-1.6%)
	All	49 (0.7%)	-80 (-1.2%)	-129 (-1.9%)
May	W	8 (0.1%)	-20 (-0.2%)	-28 (-0.3%)
	AN	882 (12.1%)	213 (2.9%)	-669 (-8.2%)
	BN	398 (6.2%)	-102 (-1.6%)	-501 (-7.4%)
	D	421 (5.9%)	74 (1%)	-347 (-4.6%)
	C	19 (0.3%)	-30 (-0.4%)	-49 (-0.7%)
	All	295 (4%)	19 (0.3%)	-275 (-3.6%)
June	W	259 (2.6%)	1 (0%)	-258 (-2.5%)
	AN	665 (5.8%)	-408 (-3.6%)	-1,073 (-8.9%)
	BN	693 (6.6%)	-186 (-1.8%)	-879 (-7.8%)
	D	678 (5.9%)	100 (0.9%)	-578 (-4.8%)
	C	211 (1.9%)	440 (4%)	229 (2%)
	All	477 (4.4%)	-5 (0%)	-482 (-4.3%)
July	W	222 (1.6%)	-894 (-6.6%)	-1,116 (-8.1%)
	AN	74 (0.5%)	-605 (-4.2%)	-679 (-4.6%)
	BN	478 (3.6%)	-883 (-6.7%)	-1,361 (-10%)
	D	4 (0%)	350 (2.6%)	346 (2.5%)
	C	347 (2.9%)	-8 (-0.1%)	-355 (-2.8%)
	All	214 (1.6%)	-447 (-3.3%)	-662 (-4.9%)

State Water Board Alternative: Upstream—Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
August	W	73 (0.7%)	-12 (-0.1%)	-86 (-0.8%)
	AN	330 (3%)	74 (0.7%)	-256 (-2.3%)
	BN	880 (8.9%)	14 (0.1%)	-866 (-8.1%)
	D	-1,084 (-10.4%)	1,053 (10.1%)	2,137 (22.8%)
	C	-287 (-3.4%)	-89 (-1.1%)	199 (2.5%)
	All	-58 (-0.6%)	228 (2.3%)	286 (2.8%)
Sept	W	-292 (-2.4%)	-1,930 (-16.1%)	-1,637 (-14%)
	AN	-1,376 (-14.9%)	-1,384 (-15%)	-9 (-0.1%)
	BN	-521 (-9.2%)	294 (5.2%)	814 (15.8%)
	D	-439 (-8.8%)	1,330 (26.7%)	1,769 (38.9%)
	C	-109 (-2.3%)	-473 (-9.8%)	-363 (-7.7%)
	All	-495 (-6.2%)	-541 (-6.8%)	-46 (-0.6%)
Oct	W	-84 (-1.3%)	17 (0.3%)	100 (1.6%)
	AN	-340 (-5.6%)	218 (3.6%)	558 (9.7%)
	BN	-173 (-3%)	94 (1.6%)	267 (4.7%)
	D	-37 (-0.6%)	-95 (-1.6%)	-58 (-1%)
	C	-291 (-5.3%)	-335 (-6.1%)	-44 (-0.8%)
	All	-156 (-2.6%)	-17 (-0.3%)	140 (2.4%)
Nov	W	-1,127 (-14.8%)	-773 (-10.1%)	354 (5.5%)
	AN	-1,641 (-22.3%)	-1,346 (-18.3%)	295 (5.2%)
	BN	-1,373 (-23.2%)	-1,340 (-22.6%)	33 (0.7%)
	D	-812 (-14.9%)	-756 (-13.9%)	56 (1.2%)
	C	-352 (-7.4%)	-636 (-13.3%)	-284 (-6.4%)
	All	-1,062 (-16.6%)	-930 (-14.5%)	132 (2.5%)
Dec	W	150 (1.2%)	1,169 (9.1%)	1,018 (7.9%)
	AN	-359 (-6.3%)	-24 (-0.4%)	335 (6.2%)
	BN	-190 (-3.3%)	-63 (-1.1%)	127 (2.2%)
	D	-6 (-0.2%)	-42 (-1.1%)	-36 (-0.9%)
	C	110 (3.1%)	39 (1.1%)	-71 (-1.9%)
	All	-23 (-0.3%)	353 (4.8%)	375 (5.2%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Sacramento River Upstream of Red Bluff

Table C-3. Mean Monthly Flows (cfs) for Model Scenarios in the Sacramento River Upstream of Red Bluff, Year-Round

State Water Board Alternative: Upstream—Sacramento River Upstream of Red Bluff				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	29,368	29,799	30,473
	AN	16,267	16,960	17,335
	BN	9,267	9,842	9,854
	D	7,262	7,261	7,277
	C	6,497	6,222	6,159
	All	15,819	16,115	16,380
Feb	W	32,712	32,853	33,047
	AN	24,422	25,247	25,835
	BN	12,508	12,855	12,760
	D	8,785	8,843	8,655
	C	6,404	6,527	6,691
	All	18,947	19,203	19,317
Mar	W	25,473	25,481	25,508
	AN	16,222	16,753	17,010
	BN	8,438	8,598	8,969
	D	8,349	8,260	8,378
	C	6,126	6,323	6,053
	All	14,621	14,738	14,833
Apr	W	15,078	15,066	15,064
	AN	9,983	10,090	10,054
	BN	8,239	8,299	8,159
	D	7,654	7,789	7,416
	C	7,628	7,600	7,508
	All	10,445	10,493	10,367
May	W	11,224	11,232	11,207
	AN	9,623	10,502	9,844
	BN	8,030	8,423	7,936
	D	8,424	8,841	8,509
	C	7,956	7,975	7,931
	All	9,351	9,644	9,377
Jun	W	11,591	11,849	11,594
	AN	12,227	12,882	11,828
	BN	11,304	11,988	11,129
	D	12,028	12,699	12,140
	C	11,539	11,748	11,984
	All	11,723	12,196	11,726
Jul	W	13,937	14,157	13,046
	AN	14,594	14,662	14,002
	BN	13,272	13,741	12,401
	D	13,741	13,737	14,105
	C	12,344	12,632	12,283
	All	13,643	13,845	13,197

State Water Board Alternative: Upstream—Sacramento River Upstream of Red Bluff				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	10,700	10,773	10,694
	AN	10,968	11,295	11,053
	BN	9,971	10,845	9,998
	D	10,610	9,524	11,675
	C	8,632	8,326	8,476
	All	10,292	10,229	10,518
Sep	W	12,494	12,202	10,565
	AN	9,634	8,255	8,253
	BN	6,038	5,510	6,338
	D	5,424	4,991	6,756
	C	5,279	5,112	4,739
	All	8,365	7,862	7,816
Oct	W	7,662	7,585	7,682
	AN	7,108	6,773	7,316
	BN	6,544	6,376	6,641
	D	6,690	6,648	6,593
	C	6,254	5,951	5,909
	All	6,971	6,815	6,952
Nov	W	10,966	9,839	10,192
	AN	9,362	7,725	8,012
	BN	7,710	6,338	6,369
	D	7,421	6,601	6,657
	C	5,805	5,456	5,174
	All	8,642	7,580	7,710
Dec	W	21,554	21,714	22,729
	AN	10,370	10,021	10,354
	BN	8,921	8,741	8,869
	D	7,044	7,046	7,008
	C	5,465	5,582	5,514
	All	12,221	12,207	12,581

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-4. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Sacramento River Upstream of Red Bluff, Year-Round

State Water Board Alternative: Upstream—Sacramento River Upstream of Red Bluff				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	431 (1.5%)	1,106 (3.8%)	675 (2.3%)
	AN	694 (4.3%)	1,068 (6.6%)	374 (2.2%)
	BN	574 (6.2%)	586 (6.3%)	12 (0.1%)
	D	-1 (0%)	15 (0.2%)	16 (0.2%)
	C	-275 (-4.2%)	-339 (-5.2%)	-63 (-1%)
	All	296 (1.9%)	561 (3.5%)	265 (1.6%)
Feb	W	142 (0.4%)	335 (1%)	193 (0.6%)
	AN	825 (3.4%)	1,412 (5.8%)	587 (2.3%)
	BN	346 (2.8%)	252 (2%)	-95 (-0.7%)
	D	58 (0.7%)	-130 (-1.5%)	-188 (-2.1%)
	C	123 (1.9%)	287 (4.48%)	164 (2.5%)
	All	255 (1.3%)	369 (1.9%)	114 (0.6%)
Mar	W	8 (0%)	35 (0.1%)	27 (0.1%)
	AN	530 (3.3%)	788 (4.9%)	257 (1.5%)
	BN	160 (1.9%)	531 (6.3%)	371 (4.3%)
	D	-89 (-1.1%)	29 (0.3%)	118 (1.4%)
	C	197 (3.2%)	-74 (-1.2%)	-270 (-4.3%)
	All	117 (0.8%)	213 (1.5%)	96 (0.6%)
Apr	W	-12 (-0.1%)	-14 (-0.1%)	-2 (0%)
	AN	107 (1.1%)	72 (0.7%)	-36 (-0.4%)
	BN	61 (0.7%)	-80 (-1%)	-141 (-1.7%)
	D	135 (1.8%)	-238 (-3.1%)	-373 (-4.8%)
	C	-28 (-0.4%)	-120 (-1.6%)	-92 (-1.2%)
	All	48 (0.5%)	-77 (-0.7%)	-125 (-1.2%)
May	W	8 (0.1%)	-17 (-0.2%)	-25 (-0.2%)
	AN	879 (9.1%)	221 (2.3%)	-658 (-6.3%)
	BN	393 (4.9%)	-93 (-1.2%)	-487 (-5.8%)
	D	417 (4.9%)	85 (1%)	-332 (-3.8%)
	C	19 (0.2%)	-25 (-0.3%)	-44 (-0.6%)
	All	293 (3.1%)	26 (0.3%)	-267 (-2.8%)
Jun	W	259 (2.2%)	4 (0%)	-255 (-2.2%)
	AN	655 (5.4%)	-399 (-3.3%)	-1,054 (-8.2%)
	BN	684 (6.1%)	-175 (-1.5%)	-859 (-7.2%)
	D	671 (5.6%)	112 (0.9%)	-559 (-4.4%)
	C	210 (1.8%)	446 (3.9%)	236 (2%)
	All	473 (4%)	3 (0%)	-470 (-3.9%)
Jul	W	221 (1.6%)	-891 (-6.4%)	-1,112 (-7.9%)
	AN	67 (0.5%)	-592 (-4.1%)	-660 (-4.5%)
	BN	468 (3.5%)	-871 (-6.6%)	-1,339 (-9.7%)
	D	-3 (0%)	364 (2.7%)	368 (2.7%)
	C	288 (2.3%)	-61 (-0.5%)	-348 (-2.8%)
	All	201 (1.5%)	-447 (-3.3%)	-648 (-4.7%)

State Water Board Alternative: Upstream—Sacramento River Upstream of Red Bluff				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	73 (0.7%)	-6 (-0.1%)	-79 (-0.7%)
	AN	327 (3%)	85 (0.8%)	-242 (-2.1%)
	BN	873 (8.8%)	27 (0.3%)	-847 (-7.8%)
	D	-1,086 (-10.2%)	1,066 (10%)	2,152 (22.6%)
	C	-306 (-3.5%)	-156 (-1.8%)	150 (1.8%)
	All	-63 (-0.6%)	226 (2.2%)	289 (2.8%)
Sep	W	-292 (-2.3%)	-1,929 (-15.4%)	-1,637 (-13.4%)
	AN	-1,379 (-14.3%)	-1,380 (-14.3%)	-2 (0%)
	BN	-528 (-8.7%)	300 (5%)	829 (15%)
	D	-433 (-8%)	1,332 (24.6%)	1,765 (35.4%)
	C	-166 (-3.2%)	-540 (-10.2%)	-374 (-7.3%)
	All	-504 (-6%)	-549 (-6.6%)	-45 (-0.6%)
Oct	W	-77 (-1%)	20 (0.3%)	97 (1.3%)
	AN	-335 (-4.7%)	208 (2.9%)	543 (8%)
	BN	-168 (-2.6%)	97 (1.5%)	265 (4.2%)
	D	-42 (-0.6%)	-96 (-1.4%)	-54 (-0.8%)
	C	-302 (-4.8%)	-344 (-5.5%)	-42 (-0.7%)
	All	-156 (-2.2%)	-18 (-0.3%)	138 (2%)
Nov	W	-1,127 (-10.3%)	-774 (-7.1%)	353 (3.6%)
	AN	-1,637 (-17.5%)	-1,349 (-14.4%)	288 (3.7%)
	BN	-1,372 (-17.8%)	-1,342 (-17.4%)	31 (0.5%)
	D	-820 (-11%)	-765 (-10.3%)	55 (0.8%)
	C	-350 (-6%)	-631 (-10.9%)	-281 (-5.2%)
	All	-1,062 (-12.3%)	-932 (-10.8%)	130 (1.7%)
Dec	W	159 (0.7%)	1,175 (5.5%)	1,015 (4.7%)
	AN	-348 (-3.4%)	-15 (-0.1%)	333 (3.3%)
	BN	-180 (-2%)	-53 (-0.6%)	127 (1.5%)
	D	1 (0%)	-37 (-0.5%)	-38 (-0.5%)
	C	117 (2.1%)	49 (0.9%)	-68 (-1.2%)
	All	-14 (-0.1%)	360 (2.9%)	374 (3.1%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Sacramento River at Wilkins Slough

Table C-5. Mean Monthly Flows (cfs) for Model Scenarios in the Sacramento River at Wilkins Slough, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Wilkins Slough				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	19,250	19,275	19,289
	AN	16,521	16,611	16,920
	BN	12,322	12,640	12,659
	D	8,896	8,825	8,837
	C	8,152	7,860	7,797
	All	13,771	13,788	13,834
Feb	W	19,976	19,992	20,009
	AN	19,134	19,219	19,612
	BN	14,508	14,557	14,560
	D	11,451	11,451	11,387
	C	8,220	8,354	8,521
	All	15,327	15,373	15,447
Mar	W	18,325	18,323	18,331
	AN	17,638	17,712	17,758
	BN	11,505	11,673	12,001
	D	11,289	11,264	11,317
	C	8,201	8,386	8,106
	All	14,034	14,095	14,131
Apr	W	13,312	13,315	13,307
	AN	10,038	10,063	10,031
	BN	6,795	6,847	6,741
	D	5,082	5,217	4,889
	C	4,136	4,097	4,056
	All	8,571	8,608	8,505
May	W	9,445	9,447	9,435
	AN	6,978	7,820	7,253
	BN	4,981	5,315	4,917
	D	4,454	4,817	4,606
	C	4,155	4,177	4,168
	All	6,452	6,716	6,514
Jun	W	6,226	6,467	6,243
	AN	5,958	6,523	5,620
	BN	5,205	5,811	5,100
	D	5,586	6,212	5,793
	C	5,753	5,957	6,240
	All	5,803	6,233	5,858
Jul	W	7,162	7,367	6,280
	AN	7,307	7,304	6,807
	BN	6,503	6,873	5,693
	D	7,240	7,172	7,702
	C	6,577	6,708	6,403
	All	7,002	7,134	6,587

State Water Board Alternative: Upstream—Sacramento River at Wilkins Slough				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	5,492	5,548	5,509
	AN	5,765	6,063	5,899
	BN	4,984	5,755	5,055
	D	5,723	4,574	6,805
	C	4,963	4,578	4,679
	All	5,419	5,303	5,652
Sep	W	11,904	11,624	9,964
	AN	8,877	7,485	7,495
	BN	5,291	4,733	5,578
	D	4,629	4,269	5,935
	C	4,689	4,514	4,157
	All	7,679	7,187	7,119
Oct	W	6,876	6,840	6,921
	AN	5,809	5,523	5,944
	BN	5,344	5,196	5,461
	D	5,411	5,386	5,351
	C	5,205	4,902	4,858
	All	5,892	5,764	5,882
Nov	W	10,843	9,684	9,776
	AN	9,465	7,845	8,133
	BN	7,688	6,308	6,350
	D	7,354	6,528	6,587
	C	5,081	4,722	4,473
	All	8,494	7,419	7,475
Dec	W	17,819	17,877	18,096
	AN	10,921	10,833	10,940
	BN	8,283	8,306	8,335
	D	8,665	8,633	8,655
	C	5,989	6,122	6,081
	All	11,441	11,463	11,552

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-6. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Sacramento River at Wilkins Slough, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Wilkins Slough				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	25 (0.1%)	39 (0.2%)	14 (0.1%)
	AN	90 (0.5%)	399 (2.4%)	308 (1.9%)
	BN	318 (2.6%)	337 (2.7%)	19 (0.2%)
	D	-71 (-0.8%)	-59 (-0.66%)	12 (0.13%)
	C	-292 (-3.6%)	-355 (-4.4%)	-63 (-0.8%)
	All	17 (0.1%)	63 (0.5%)	46 (0.3%)
Feb	W	16 (0.1%)	33 (0.2%)	17 (0.1%)
	AN	85 (0.4%)	478 (2.5%)	393 (2%)
	BN	49 (0.3%)	51 (0.4%)	2 (0%)
	D	0 (0%)	-64 (-0.6%)	-65 (-0.6%)
	C	134 (1.6%)	301 (3.66%)	167 (2%)
	All	46 (0.3%)	119 (0.8%)	73 (0.5%)
Mar	W	-1 (0%)	7 (0%)	8 (0%)
	AN	75 (0.4%)	120 (0.7%)	46 (0.3%)
	BN	168 (1.5%)	496 (4.3%)	328 (2.8%)
	D	-25 (-0.2%)	28 (0.2%)	53 (0.5%)
	C	185 (2.3%)	-95 (-1.2%)	-279 (-3.3%)
	All	61 (0.4%)	97 (0.7%)	36 (0.3%)
Apr	W	3 (0%)	-5 (0%)	-8 (-0.1%)
	AN	25 (0.3%)	-7 (-0.1%)	-32 (-0.3%)
	BN	52 (0.8%)	-54 (-0.8%)	-106 (-1.6%)
	D	134 (2.6%)	-193 (-3.8%)	-327 (-6.3%)
	C	-39 (-1%)	-81 (-2%)	-41 (-1%)
	All	37 (0.4%)	-66 (-0.8%)	-103 (-1.2%)
May	W	3 (0%)	-9 (-0.1%)	-12 (-0.1%)
	AN	841 (12.1%)	275 (3.9%)	-566 (-7.2%)
	BN	334 (6.7%)	-64 (-1.3%)	-398 (-7.5%)
	D	363 (8.2%)	153 (3.4%)	-210 (-4.4%)
	C	22 (0.5%)	13 (0.3%)	-9 (-0.2%)
	All	264 (4.1%)	62 (1%)	-202 (-3%)
Jun	W	241 (3.9%)	17 (0.3%)	-224 (-3.5%)
	AN	565 (9.5%)	-338 (-5.7%)	-903 (-13.8%)
	BN	606 (11.6%)	-105 (-2%)	-710 (-12.2%)
	D	626 (11.2%)	207 (3.7%)	-420 (-6.8%)
	C	205 (3.6%)	487 (8.5%)	283 (4.7%)
	All	430 (7.4%)	55 (0.9%)	-375 (-6%)
Jul	W	204 (2.9%)	-882 (-12.3%)	-1,086 (-14.7%)
	AN	-3 (0%)	-500 (-6.8%)	-497 (-6.8%)
	BN	370 (5.7%)	-811 (-12.5%)	-1,181 (-17.2%)
	D	-68 (-0.9%)	462 (6.4%)	530 (7.4%)
	C	131 (2%)	-174 (-2.6%)	-306 (-4.6%)
	All	132 (1.9%)	-415 (-5.9%)	-547 (-7.7%)

State Water Board Alternative: Upstream—Sacramento River at Wilkins Slough				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	56 (1%)	17 (0.3%)	-40 (-0.7%)
	AN	299 (5.2%)	134 (2.3%)	-164 (-2.7%)
	BN	770 (15.5%)	70 (1.4%)	-700 (-12.2%)
	D	-1,149 (-20.1%)	1,083 (18.9%)	2,232 (48.8%)
	C	-385 (-7.8%)	-284 (-5.7%)	101 (2.2%)
	All	-115 (-2.1%)	233 (4.3%)	349 (6.6%)
Sep	W	-279 (-2.3%)	-1,940 (-16.3%)	-1,661 (-14.3%)
	AN	-1,393 (-15.7%)	-1,382 (-15.6%)	11 (0.1%)
	BN	-558 (-10.6%)	286 (5.4%)	845 (17.8%)
	D	-360 (-7.8%)	1,306 (28.2%)	1,666 (39%)
	C	-175 (-3.7%)	-532 (-11.3%)	-357 (-7.9%)
	All	-492 (-6.4%)	-560 (-7.3%)	-67 (-0.9%)
Oct	W	-36 (-0.5%)	45 (0.7%)	81 (1.2%)
	AN	-286 (-4.9%)	135 (2.3%)	421 (7.6%)
	BN	-148 (-2.8%)	117 (2.2%)	265 (5.1%)
	D	-25 (-0.5%)	-60 (-1.1%)	-35 (-0.7%)
	C	-303 (-5.8%)	-347 (-6.7%)	-45 (-0.9%)
	All	-128 (-2.2%)	-10 (-0.2%)	118 (2.1%)
Nov	W	-1,159 (-10.7%)	-1,067 (-9.8%)	93 (1%)
	AN	-1,620 (-17.1%)	-1,332 (-14.1%)	288 (3.7%)
	BN	-1,380 (-17.9%)	-1,338 (-17.4%)	42 (0.7%)
	D	-826 (-11.2%)	-766 (-10.4%)	60 (0.9%)
	C	-360 (-7.1%)	-609 (-12%)	-249 (-5.3%)
	All	-1,074 (-12.6%)	-1,019 (-12%)	55 (0.7%)
Dec	W	58 (0.3%)	277 (1.6%)	219 (1.2%)
	AN	-88 (-0.8%)	18 (0.2%)	106 (1%)
	BN	23 (0.3%)	52 (0.6%)	28 (0.3%)
	D	-32 (-0.4%)	-10 (-0.1%)	21 (0.2%)
	C	134 (2.2%)	92 (1.5%)	-41 (-0.7%)
	All	22 (0.2%)	111 (1%)	89 (0.8%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Sacramento River at Verona

Table C-7. Mean Monthly Flows (cfs) for Model Scenarios in the Sacramento River at Verona, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Verona				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	45,074	43,368	46,480
	AN	32,939	31,498	34,073
	BN	19,324	17,820	20,626
	D	14,643	14,042	14,563
	C	12,331	11,618	11,772
	All	27,430	26,185	28,165
Feb	W	50,745	49,193	51,337
	AN	39,631	38,675	41,660
	BN	25,717	23,861	26,699
	D	18,079	17,146	17,871
	C	12,387	12,073	12,861
	All	32,062	30,862	32,738
Mar	W	44,098	42,020	44,322
	AN	39,691	37,948	41,473
	BN	19,717	18,292	21,351
	D	17,411	16,398	18,299
	C	11,765	11,745	11,751
	All	28,700	27,318	29,504
Apr	W	32,102	29,808	32,102
	AN	21,717	20,331	21,785
	BN	13,834	13,363	13,851
	D	10,967	11,113	10,596
	C	9,304	9,388	9,363
	All	19,488	18,522	19,428
May	W	23,714	23,617	23,714
	AN	16,427	18,037	16,619
	BN	10,653	11,070	10,687
	D	9,086	9,621	8,997
	C	7,408	7,148	7,204
	All	14,820	15,176	14,805
Jun	W	15,664	17,607	16,002
	AN	12,877	16,073	12,437
	BN	10,888	14,747	11,007
	D	10,702	12,174	11,518
	C	9,441	9,315	10,123
	All	12,441	14,488	12,783
Jul	W	17,144	16,859	15,135
	AN	18,014	18,091	16,027
	BN	16,823	16,747	13,696
	D	16,245	14,669	15,788
	C	13,348	10,570	11,063
	All	16,464	15,619	14,567

State Water Board Alternative: Upstream—Sacramento River at Verona				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	13,393	12,720	12,978
	AN	14,684	14,626	13,761
	BN	13,098	13,438	11,708
	D	13,057	10,148	13,347
	C	8,300	8,359	9,224
	All	12,713	11,919	12,407
Sep	W	22,873	20,732	18,412
	AN	18,667	15,782	15,416
	BN	10,768	8,819	10,595
	D	8,618	7,884	10,762
	C	7,264	7,287	7,470
	All	14,777	13,186	13,358
Oct	W	10,681	10,829	10,190
	AN	8,617	8,462	8,242
	BN	8,868	8,865	8,375
	D	8,515	8,949	7,669
	C	7,862	7,556	7,280
	All	9,181	9,256	8,616
Nov	W	16,176	15,027	15,471
	AN	13,177	11,449	12,107
	BN	10,676	9,186	9,080
	D	10,024	9,185	9,041
	C	7,283	6,884	6,638
	All	12,146	11,032	11,183
Dec	W	33,224	31,091	34,545
	AN	18,415	17,617	17,827
	BN	13,257	13,009	13,178
	D	12,465	12,298	12,082
	C	8,724	8,974	8,456
	All	19,506	18,670	19,702

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-8. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Sacramento River at Verona, Year-Round

State Water Board Alternative: Upstream—Sacramento River at Verona				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-1,706 (-3.8%)	1,406 (3.1%)	3,112 (7.2%)
	AN	-1,441 (-4.4%)	1,135 (3.4%)	2,576 (8.2%)
	BN	-1,504 (-7.8%)	1,302 (6.7%)	2,806 (15.7%)
	D	-601 (-4.1%)	-80 (-0.55%)	521 (3.71%)
	C	-713 (-5.8%)	-559 (-4.5%)	154 (1.3%)
	All	-1,245 (-4.5%)	735 (2.7%)	1,980 (7.6%)
Feb	W	-1,552 (-3.1%)	592 (1.2%)	2,144 (4.4%)
	AN	-956 (-2.4%)	2,029 (5.1%)	2,985 (7.7%)
	BN	-1,857 (-7.2%)	982 (3.8%)	2,839 (11.9%)
	D	-932 (-5.2%)	-208 (-1.2%)	724 (4.2%)
	C	-315 (-2.5%)	473 (3.82%)	788 (6.5%)
	All	-1,200 (-3.7%)	676 (2.1%)	1,876 (6.1%)
Mar	W	-2,078 (-4.7%)	224 (0.5%)	2,302 (5.5%)
	AN	-1,744 (-4.4%)	1,782 (4.5%)	3,526 (9.3%)
	BN	-1,425 (-7.2%)	1,634 (8.3%)	3,059 (16.7%)
	D	-1,012 (-5.8%)	888 (5.1%)	1,900 (11.6%)
	C	-20 (-0.2%)	-14 (-0.1%)	6 (0.1%)
	All	-1,382 (-4.8%)	804 (2.8%)	2,186 (8%)
Apr	W	-2,293 (-7.1%)	0 (0%)	2,294 (7.7%)
	AN	-1,386 (-6.4%)	67 (0.3%)	1,453 (7.1%)
	BN	-471 (-3.4%)	17 (0.1%)	488 (3.7%)
	D	146 (1.3%)	-371 (-3.4%)	-517 (-4.7%)
	C	84 (0.9%)	59 (0.6%)	-25 (-0.3%)
	All	-966 (-5%)	-60 (-0.3%)	906 (4.9%)
May	W	-96 (-0.4%)	0 (0%)	97 (0.4%)
	AN	1,610 (9.8%)	192 (1.2%)	-1,418 (-7.9%)
	BN	417 (3.9%)	34 (0.3%)	-383 (-3.5%)
	D	535 (5.9%)	-89 (-1%)	-624 (-6.5%)
	C	-260 (-3.5%)	-204 (-2.8%)	56 (0.8%)
	All	356 (2.4%)	-15 (-0.1%)	-371 (-2.4%)
Jun	W	1,943 (12.4%)	338 (2.2%)	-1,605 (-9.1%)
	AN	3,196 (24.8%)	-440 (-3.4%)	-3,636 (-22.6%)
	BN	3,859 (35.4%)	119 (1.1%)	-3,740 (-25.4%)
	D	1,472 (13.8%)	816 (7.6%)	-656 (-5.4%)
	C	-126 (-1.3%)	682 (7.2%)	808 (8.7%)
	All	2,047 (16.5%)	342 (2.7%)	-1,705 (-11.8%)
Jul	W	-285 (-1.7%)	-2,010 (-11.7%)	-1,724 (-10.2%)
	AN	77 (0.4%)	-1,987 (-11%)	-2,064 (-11.4%)
	BN	-76 (-0.4%)	-3,127 (-18.6%)	-3,051 (-18.2%)
	D	-1,576 (-9.7%)	-457 (-2.8%)	1,119 (7.6%)
	C	-2,778 (-20.8%)	-2,285 (-17.1%)	493 (4.7%)
	All	-844 (-5.1%)	-1,897 (-11.5%)	-1,052 (-6.7%)

State Water Board Alternative: Upstream—Sacramento River at Verona				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-673 (-5%)	-416 (-3.1%)	258 (2%)
	AN	-57 (-0.4%)	-922 (-6.3%)	-865 (-5.9%)
	BN	340 (2.6%)	-1,391 (-10.6%)	-1,730 (-12.9%)
	D	-2,909 (-22.3%)	290 (2.2%)	3,199 (31.5%)
	C	59 (0.7%)	924 (11.1%)	865 (10.4%)
	All	-794 (-6.2%)	-305 (-2.4%)	489 (4.1%)
Sep	W	-2,140 (-9.4%)	-4,460 (-19.5%)	-2,320 (-11.2%)
	AN	-2,885 (-15.5%)	-3,251 (-17.4%)	-366 (-2.3%)
	BN	-1,949 (-18.1%)	-173 (-1.6%)	1,776 (20.1%)
	D	-734 (-8.5%)	2,143 (24.9%)	2,877 (36.5%)
	C	23 (0.3%)	207 (2.8%)	183 (2.5%)
	All	-1,591 (-10.8%)	-1,419 (-9.6%)	172 (1.3%)
Oct	W	149 (1.4%)	-490 (-4.6%)	-639 (-5.9%)
	AN	-156 (-1.8%)	-375 (-4.4%)	-219 (-2.6%)
	BN	-3 (0%)	-493 (-5.6%)	-490 (-5.5%)
	D	434 (5.1%)	-846 (-9.9%)	-1,280 (-14.3%)
	C	-305 (-3.9%)	-582 (-7.4%)	-276 (-3.7%)
	All	74 (0.8%)	-565 (-6.2%)	-640 (-6.9%)
Nov	W	-1,150 (-7.1%)	-705 (-4.4%)	445 (3%)
	AN	-1,728 (-13.1%)	-1,070 (-8.1%)	658 (5.7%)
	BN	-1,489 (-13.9%)	-1,596 (-14.9%)	-107 (-1.2%)
	D	-840 (-8.4%)	-983 (-9.8%)	-143 (-1.6%)
	C	-399 (-5.5%)	-645 (-8.9%)	-246 (-3.6%)
	All	-1,114 (-9.2%)	-963 (-7.9%)	152 (1.4%)
Dec	W	-2,133 (-6.4%)	1,321 (4%)	3,454 (11.1%)
	AN	-798 (-4.3%)	-588 (-3.2%)	210 (1.2%)
	BN	-248 (-1.9%)	-79 (-0.6%)	168 (1.3%)
	D	-166 (-1.3%)	-382 (-3.1%)	-216 (-1.8%)
	C	250 (2.9%)	-268 (-3.1%)	-518 (-5.8%)
	All	-835 (-4.3%)	196 (1%)	1,031 (5.5%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

Trinity River below Lewiston

Table C-9. Mean Monthly Flows (cfs) for Model Scenarios in the Trinity River Below Lewiston, Year-Round

State Water Board Alternative: Upstream—Trinity River below Lewiston				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	1,570	1,606	1,611
	AN	300	300	380
	BN	300	300	300
	D	300	300	300
	C	300	300	300
	All	703	714	727
Feb	W	1,209	1,288	1,324
	AN	773	855	893
	BN	559	559	559
	D	300	300	300
	C	300	300	300
	All	702	739	756
Mar	W	1,335	1,409	1,492
	AN	475	475	475
	BN	302	300	302
	D	300	300	300
	C	300	300	300
	All	654	677	704
Apr	W	740	738	759
	AN	561	467	467
	BN	508	508	508
	D	529	529	529
	C	580	580	580
	All	605	590	597
May	W	4,620	4,620	4,620
	AN	4,450	4,450	4,450
	BN	3,763	3,763	3,763
	D	3,216	3,216	3,216
	C	1,973	1,973	1,973
	All	3,753	3,753	3,753
Jun	W	3,613	3,613	3,613
	AN	2,663	2,663	2,663
	BN	1,767	1,767	1,767
	D	1,251	1,251	1,251
	C	783	783	783
	All	2,226	2,226	2,226
Jul	W	1,161	1,161	1,161
	AN	1,048	1,048	1,048
	BN	916	916	916
	D	667	667	667
	C	450	450	450
	All	890	890	890

State Water Board Alternative: Upstream—Trinity River below Lewiston				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	450	450	450
	AN	450	450	450
	BN	450	450	450
	D	450	450	450
	C	413	413	413
	All	445	445	445
Sep	W	450	450	450
	AN	450	450	450
	BN	450	450	450
	D	450	450	450
	C	356	375	375
	All	436	439	439
Oct	W	373	373	373
	AN	337	312	373
	BN	346	346	346
	D	352	352	352
	C	342	342	342
	All	354	350	359
Nov	W	510	461	510
	AN	275	275	275
	BN	300	300	300
	D	283	283	283
	C	263	275	275
	All	354	340	356
Dec	W	1,281	1,379	1,440
	AN	300	300	300
	BN	300	300	300
	D	300	300	300
	C	300	300	300
	All	611	642	662

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

Table C-10. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Trinity River Below Lewiston, Year-Round

State Water Board Alternative: Upstream—Trinity River below Lewiston				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	37 (2.3%)	41 (2.6%)	4 (0.3%)
	AN	0 (0%)	80 (26.8%)	80 (26.8%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	12 (1.7%)	25 (3.5%)	13 (1.8%)
Feb	W	79 (6.5%)	115 (9.5%)	36 (2.8%)
	AN	82 (10.6%)	120 (15.6%)	39 (4.5%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	37 (5.3%)	54 (7.7%)	17 (2.3%)
Mar	W	73 (5.5%)	157 (11.8%)	84 (5.9%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	-2 (-0.7%)	0 (0%)	2 (0.7%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	23 (3.5%)	50 (7.6%)	27 (4%)
Apr	W	-2 (-0.2%)	20 (2.7%)	21 (2.9%)
	AN	-95 (-16.9%)	-95 (-16.9%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	-14 (-2.4%)	-8 (-1.3%)	7 (1.1%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Jun	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Jul	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

State Water Board Alternative: Upstream—Trinity River below Lewiston				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Sep	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	19 (5.5%)	19 (5.5%)	0 (0%)
	All	3 (0.7%)	3 (0.7%)	0 (0%)
Oct	W	0 (0%)	0 (0%)	0 (0%)
	AN	-25 (-7.6%)	36 (10.6%)	61 (19.6%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	-4 (-1.1%)	5 (1.5%)	9 (2.6%)
Nov	W	-49 (-9.7%)	0 (0%)	49 (10.7%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	12 (4.5%)	12 (4.5%)	0 (0%)
	All	-14 (-3.9%)	2 (0.5%)	16 (4.6%)
Dec	W	98 (7.6%)	159 (12.4%)	61 (4.5%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	31 (5.1%)	50 (8.3%)	19 (3%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

Clear Creek below Whiskeytown

Table C-11. Mean Monthly Flows (cfs) for Model Scenarios in Clear Creek Below Whiskeytown, Year-Round

State Water Board Alternative: Upstream—Clear Creek below Whiskeytown				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	309	309	309
	AN	192	192	192
	BN	189	189	189
	D	192	192	192
	C	166	171	171
	All	225	225	226
Feb	W	249	249	249
	AN	196	196	196
	BN	189	189	189
	D	192	192	192
	C	166	171	171
	All	206	207	207
Mar	W	207	207	207
	AN	203	196	206
	BN	192	189	189
	D	192	192	213
	C	166	171	171
	All	194	194	200
Apr	W	200	200	200
	AN	196	196	196
	BN	192	189	189
	D	192	192	192
	C	166	171	171
	All	191	191	192
May	W	277	277	277
	AN	277	277	280
	BN	269	269	270
	D	264	264	264
	C	224	224	224
	All	265	265	266
Jun	W	200	200	200
	AN	200	200	200
	BN	186	186	186
	D	180	180	180
	C	120	120	120
	All	181	181	181
Jul	W	85	85	85
	AN	85	85	85
	BN	85	85	85
	D	85	85	85
	C	99	85	85
	All	87	85	85

State Water Board Alternative: Upstream—Clear Creek below Whiskeytown				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	85	85	85
	AN	85	85	85
	BN	85	85	85
	D	85	85	85
	C	85	94	94
	All	85	86	86
Sep	W	150	150	150
	AN	150	150	150
	BN	150	150	150
	D	150	150	150
	C	121	108	108
	All	146	144	144
Oct	W	198	198	198
	AN	183	183	183
	BN	179	179	179
	D	183	175	175
	C	165	154	159
	All	185	181	182
Nov	W	198	198	198
	AN	180	180	180
	BN	189	189	189
	D	184	176	176
	C	158	158	158
	All	185	183	183
Dec	W	198	198	198
	AN	192	192	192
	BN	189	189	189
	D	189	189	189
	C	166	171	171
	All	189	190	190

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-12. Differences[a] (Percent Differences) between Pairs of Model Scenarios in Clear Creek Below Whiskeytown, Year-Round

State Water Board Alternative: Upstream—Clear Creek below Whiskeytown				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.07%)	0 (0.1%)
	C	5 (2.9%)	5 (2.9%)	0 (0%)
	All	1 (0.3%)	1 (0.4%)	0 (0.1%)
Feb	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	5 (2.9%)	5 (2.87%)	0 (0%)
	All	1 (0.3%)	1 (0.4%)	0 (0.1%)
Mar	W	0 (0%)	0 (0.2%)	0 (0.2%)
	AN	-7 (-3.7%)	3 (1.5%)	11 (5.4%)
	BN	-3 (-1.4%)	-3 (-1.4%)	0 (0%)
	D	0 (0%)	21 (11%)	21 (11%)
	C	5 (2.9%)	5 (2.9%)	0 (0%)
	All	-1 (-0.4%)	5 (2.8%)	6 (3.2%)
Apr	W	0 (0%)	0 (0.2%)	0 (0.2%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	-3 (-1.4%)	-3 (-1.4%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	5 (2.9%)	5 (2.9%)	0 (0%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	2 (0.9%)	2 (0.9%)
	BN	0 (0%)	2 (0.6%)	2 (0.6%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	1 (0.2%)	1 (0.2%)
Jun	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Jul	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	-14 (-13.8%)	-14 (-13.8%)	0 (0%)
	All	-2 (-2.3%)	-2 (-2.3%)	0 (0%)

State Water Board Alternative: Upstream—Clear Creek below Whiskeytown				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	9 (10.6%)	9 (10.6%)	0 (0%)
	All	1 (1.6%)	1 (1.6%)	0 (0%)
Sep	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	-13 (-10.3%)	-12 (-10.3%)	0 (0%)
	All	-2 (-1.3%)	-2 (-1.3%)	0 (0%)
Oct	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	-8 (-4.5%)	-8 (-4.5%)	0 (0%)
	C	-11 (-6.5%)	-6 (-3.5%)	5 (3.2%)
	All	-3 (-1.8%)	-3 (-1.5%)	1 (0.4%)
Nov	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	-8 (-4.5%)	-8 (-4.5%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	-2 (-1%)	-2 (-1%)	0 (0%)
Dec	W	0 (-0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	5 (2.9%)	5 (2.9%)	0 (0%)
	All	1 (0.4%)	1 (0.4%)	0 (0.1%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Feather River Low-Flow Channel (Upstream of Thermalito Afterbay)

Table C-13. Mean Monthly Flows (cfs) for Model Scenarios in the Feather River Upstream of Thermalito Afterbay (Low-Flow Channel), Year-Round

State Water Board Alternative: Upstream—Feather River Low-Flow Channel (Upstream of Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	800
	All	800	800	800
Feb	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	800
	All	800	800	800
Mar	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	796
	All	800	800	799
Apr	W	700	700	700
	AN	700	700	700
	BN	700	700	700
	D	700	700	700
	C	700	700	700
	All	700	700	700
May	W	700	700	700
	AN	700	700	700
	BN	700	700	700
	D	700	700	700
	C	700	700	700
	All	700	700	700
Jun	W	700	700	700
	AN	700	700	700
	BN	700	700	700
	D	700	700	700
	C	700	700	700
	All	700	700	700
Jul	W	700	700	700
	AN	700	700	700
	BN	700	700	700
	D	700	700	700
	C	700	700	700
	All	700	700	700

State Water Board Alternative: Upstream—Feather River Low-Flow Channel (Upstream of Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	700	700	700
	AN	700	700	700
	BN	700	700	700
	D	700	700	700
	C	700	700	700
	All	700	700	700
Sep	W	773	773	773
	AN	773	773	773
	BN	773	773	773
	D	773	773	773
	C	773	773	773
	All	773	773	773
Oct	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	800
	All	800	800	800
Nov	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	800
	All	800	800	800
Dec	W	800	800	800
	AN	800	800	800
	BN	800	800	800
	D	800	800	800
	C	800	800	800
	All	800	800	800

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-14. Differences (Percent Differences) between Pairs of Model Scenarios in the Feather River Upstream of Thermalito Afterbay (Low-Flow Channel), Year-Round

State Water Board Alternative: Upstream—Feather River Low-Flow Channel (Upstream of Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Feb	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Mar	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	-4 (-0.5%)	-4 (-0.5%)
	All	0 (0%)	-1 (-0.1%)	-1 (-0.1%)
Apr	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Jun	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Jul	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

State Water Board Alternative: Upstream—Feather River Low-Flow Channel (Upstream of Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Sep	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Oct	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Nov	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Dec	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Feather River High-Flow Channel (at Thermalito Afterbay)

Table C-15. Mean Monthly Flows (cfs) for Model Scenarios in the Feather River at Thermalito Afterbay (High-Flow Channel), Year-Round

State Water Board Alternative: Upstream—Feather River High-Flow Channel (at Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	11,528	11,518	13,765
	AN	3,419	3,138	4,244
	BN	1,692	1,411	2,543
	D	1,477	1,527	1,422
	C	1,378	1,359	1,175
	All	4,970	4,886	5,904
Feb	W	13,732	14,169	14,971
	AN	5,793	7,546	8,694
	BN	2,280	2,029	3,605
	D	1,642	1,608	1,584
	C	1,467	1,442	1,640
	All	6,166	6,507	7,222
Mar	W	13,977	13,839	14,464
	AN	8,568	8,860	10,568
	BN	2,347	2,052	3,483
	D	1,521	1,679	2,486
	C	1,590	1,755	1,619
	All	6,653	6,660	7,510
Apr	W	6,652	6,669	6,659
	AN	2,240	2,234	2,243
	BN	1,132	1,131	1,208
	D	1,448	1,653	1,279
	C	1,384	1,608	1,525
	All	3,150	3,233	3,150
May	W	6,380	6,369	6,389
	AN	3,342	4,190	3,258
	BN	1,316	1,479	1,409
	D	1,862	2,120	1,615
	C	1,877	1,694	1,658
	All	3,420	3,599	3,340
Jun	W	3,659	5,427	3,969
	AN	3,107	5,824	3,004
	BN	3,153	6,490	3,371
	D	3,432	4,378	4,044
	C	2,812	2,587	3,002
	All	3,318	5,021	3,601
Jul	W	7,835	7,444	6,799
	AN	9,434	9,550	8,034
	BN	8,936	8,575	6,767
	D	7,980	6,454	7,089
	C	6,144	3,221	4,187
	All	8,041	7,110	6,656

State Water Board Alternative: Upstream—Feather River High-Flow Channel (at Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	5,462	4,965	5,135
	AN	6,948	6,639	5,829
	BN	6,348	5,848	4,806
	D	5,633	3,890	4,825
	C	2,236	2,748	3,455
	All	5,396	4,800	4,867
Sep	W	8,400	6,656	5,851
	AN	7,172	5,742	5,313
	BN	3,161	1,824	2,684
	D	1,473	1,194	2,314
	C	1,451	1,814	2,213
	All	4,788	3,790	3,923
Oct	W	3,025	3,243	2,684
	AN	2,577	2,779	2,120
	BN	2,820	3,030	2,256
	D	2,786	3,323	2,035
	C	2,233	2,311	2,016
	All	2,756	3,020	2,288
Nov	W	2,812	2,878	3,246
	AN	1,915	1,916	2,370
	BN	1,950	1,930	1,726
	D	1,729	1,806	1,547
	C	1,803	1,866	1,816
	All	2,148	2,192	2,276
Dec	W	5,543	5,259	7,053
	AN	3,344	3,484	2,985
	BN	2,096	2,140	2,094
	D	2,202	2,366	1,811
	C	1,781	2,025	1,421
	All	3,349	3,358	3,636

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-16. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Feather River at Thermalito Afterbay (High-Flow Channel), Year-Round

State Water Board Alternative: Upstream—Feather River High-Flow Channel (at Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-9 (-0.1%)	2,238 (19.4%)	2,247 (19.5%)
	AN	-281 (-8.2%)	826 (24.2%)	1,107 (35.3%)
	BN	-282 (-16.6%)	850 (50.2%)	1,132 (80.2%)
	D	50 (3.4%)	-55 (-3.74%)	-105 (-6.9%)
	C	-19 (-1.3%)	-203 (-14.7%)	-184 (-13.5%)
	All	-84 (-1.7%)	934 (18.8%)	1,018 (20.8%)
Feb	W	436 (3.2%)	1,238 (9%)	802 (5.7%)
	AN	1,753 (30.3%)	2,901 (50.1%)	1,148 (15.2%)
	BN	-251 (-11%)	1,325 (58.1%)	1,576 (77.7%)
	D	-34 (-2.1%)	-58 (-3.5%)	-24 (-1.5%)
	C	-25 (-1.7%)	173 (11.78%)	198 (13.7%)
	All	341 (5.5%)	1,056 (17.1%)	715 (11%)
Mar	W	-138 (-1%)	487 (3.5%)	625 (4.5%)
	AN	292 (3.4%)	2,000 (23.3%)	1,707 (19.3%)
	BN	-295 (-12.6%)	1,136 (48.4%)	1,431 (69.8%)
	D	158 (10.4%)	965 (63.5%)	807 (48.1%)
	C	166 (10.4%)	30 (1.9%)	-136 (-7.7%)
	All	7 (0.1%)	857 (12.9%)	850 (12.8%)
Apr	W	17 (0.3%)	8 (0.1%)	-9 (-0.1%)
	AN	-7 (-0.3%)	3 (0.1%)	10 (0.4%)
	BN	-1 (-0.1%)	76 (6.7%)	77 (6.8%)
	D	205 (14.2%)	-169 (-11.6%)	-374 (-22.6%)
	C	224 (16.2%)	141 (10.2%)	-83 (-5.2%)
	All	82 (2.6%)	-1 (0%)	-83 (-2.6%)
May	W	-11 (-0.2%)	9 (0.1%)	20 (0.3%)
	AN	848 (25.4%)	-84 (-2.5%)	-932 (-22.2%)
	BN	163 (12.4%)	93 (7%)	-70 (-4.7%)
	D	259 (13.9%)	-247 (-13.3%)	-505 (-23.8%)
	C	-183 (-9.7%)	-219 (-11.6%)	-36 (-2.1%)
	All	179 (5.2%)	-80 (-2.3%)	-258 (-7.2%)
Jun	W	1,767 (48.3%)	310 (8.5%)	-1,458 (-26.9%)
	AN	2,717 (87.4%)	-103 (-3.3%)	-2,820 (-48.4%)
	BN	3,337 (105.8%)	218 (6.9%)	-3,118 (-48%)
	D	946 (27.6%)	612 (17.8%)	-334 (-7.6%)
	C	-225 (-8%)	190 (6.8%)	415 (16%)
	All	1,702 (51.3%)	283 (8.5%)	-1,420 (-28.3%)
Jul	W	-391 (-5%)	-1,035 (-13.2%)	-645 (-8.7%)
	AN	116 (1.2%)	-1,399 (-14.8%)	-1,516 (-15.9%)
	BN	-361 (-4%)	-2,169 (-24.3%)	-1,808 (-21.1%)
	D	-1,526 (-19.1%)	-891 (-11.2%)	635 (9.8%)
	C	-2,923 (-47.6%)	-1,957 (-31.9%)	966 (30%)
	All	-931 (-11.6%)	-1,385 (-17.2%)	-454 (-6.4%)

State Water Board Alternative: Upstream—Feather River High-Flow Channel (at Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-497 (-9.1%)	-327 (-6%)	170 (3.4%)
	AN	-309 (-4.5%)	-1,119 (-16.1%)	-809 (-12.2%)
	BN	-500 (-7.9%)	-1,542 (-24.3%)	-1,042 (-17.8%)
	D	-1,743 (-30.9%)	-808 (-14.3%)	935 (24%)
	C	512 (22.9%)	1,220 (54.6%)	708 (25.8%)
	All	-596 (-11%)	-530 (-9.8%)	66 (1.4%)
Sep	W	-1,744 (-20.8%)	-2,549 (-30.3%)	-805 (-12.1%)
	AN	-1,429 (-19.9%)	-1,859 (-25.9%)	-430 (-7.5%)
	BN	-1,337 (-42.3%)	-476 (-15.1%)	860 (47.2%)
	D	-279 (-18.9%)	841 (57.1%)	1,119 (93.7%)
	C	363 (25%)	762 (52.5%)	399 (22%)
	All	-998 (-20.8%)	-866 (-18.1%)	133 (3.5%)
Oct	W	218 (7.2%)	-342 (-11.3%)	-560 (-17.3%)
	AN	202 (7.8%)	-457 (-17.7%)	-660 (-23.7%)
	BN	210 (7.5%)	-564 (-20%)	-775 (-25.6%)
	D	537 (19.3%)	-751 (-27%)	-1,288 (-38.7%)
	C	77 (3.5%)	-218 (-9.8%)	-295 (-12.8%)
	All	264 (9.6%)	-468 (-17%)	-732 (-24.2%)
Nov	W	66 (2.3%)	434 (15.4%)	369 (12.8%)
	AN	1 (0%)	455 (23.8%)	454 (23.7%)
	BN	-20 (-1%)	-224 (-11.5%)	-204 (-10.6%)
	D	77 (4.5%)	-182 (-10.5%)	-259 (-14.3%)
	C	63 (3.5%)	13 (0.7%)	-50 (-2.7%)
	All	44 (2%)	128 (6%)	84 (3.8%)
Dec	W	-284 (-5.1%)	1,510 (27.2%)	1,794 (34.1%)
	AN	140 (4.2%)	-359 (-10.7%)	-499 (-14.3%)
	BN	43 (2.1%)	-3 (-0.1%)	-46 (-2.2%)
	D	164 (7.5%)	-391 (-17.8%)	-555 (-23.5%)
	C	244 (13.7%)	-360 (-20.2%)	-604 (-29.8%)
	All	10 (0.3%)	287 (8.6%)	278 (8.3%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Feather River at Confluence with Sacramento River

Table C-17. Mean Monthly Flows (cfs) for Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Upstream—Feather River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	24,852	24,851	27,070
	AN	11,755	11,475	12,580
	BN	5,658	5,377	6,507
	D	4,390	4,437	4,332
	C	3,551	3,530	3,346
	All	12,049	11,967	12,976
Feb	W	29,508	29,950	30,731
	AN	14,119	15,877	17,011
	BN	8,081	7,835	9,401
	D	4,365	4,329	4,301
	C	3,086	3,063	3,258
	All	14,212	14,556	15,259
Mar	W	25,585	25,453	26,062
	AN	21,173	21,464	23,154
	BN	7,175	6,893	8,337
	D	4,626	4,792	5,594
	C	2,695	2,895	2,785
	All	13,846	13,864	14,711
Apr	W	16,056	16,081	16,063
	AN	9,733	9,733	9,726
	BN	5,232	5,238	5,301
	D	4,233	4,441	4,054
	C	3,195	3,423	3,336
	All	8,805	8,893	8,800
May	W	12,987	12,984	12,997
	AN	7,777	8,633	7,694
	BN	4,534	4,703	4,634
	D	3,660	3,920	3,411
	C	2,492	2,309	2,271
	All	7,198	7,382	7,119
Jun	W	7,790	9,571	8,104
	AN	5,485	8,206	5,384
	BN	4,346	7,688	4,566
	D	3,776	4,723	4,387
	C	2,678	2,449	2,870
	All	5,236	6,943	5,520
Jul	W	8,536	8,064	7,455
	AN	9,442	9,527	8,045
	BN	8,985	8,613	6,799
	D	7,690	6,164	6,798
	C	5,831	2,927	3,802
	All	8,164	7,203	6,751

State Water Board Alternative: Upstream—Feather River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	6,656	5,922	6,183
	AN	7,790	7,425	6,703
	BN	7,098	6,628	5,605
	D	6,185	4,425	5,389
	C	2,408	2,922	3,653
	All	6,172	5,495	5,616
Sep	W	10,426	8,688	7,870
	AN	9,070	7,662	7,215
	BN	4,896	3,596	4,454
	D	3,281	2,996	4,126
	C	2,052	2,349	2,804
	All	6,490	5,491	5,627
Oct	W	3,741	3,968	3,400
	AN	2,839	3,052	2,366
	BN	3,394	3,619	2,822
	D	3,139	3,675	2,377
	C	2,701	2,780	2,478
	All	3,266	3,536	2,791
Nov	W	4,407	4,476	4,839
	AN	3,220	3,209	3,659
	BN	2,589	2,573	2,360
	D	2,284	2,362	2,087
	C	2,073	2,127	2,048
	All	3,115	3,158	3,230
Dec	W	11,909	11,629	13,411
	AN	6,005	6,148	5,641
	BN	3,342	3,390	3,337
	D	2,787	2,952	2,388
	C	2,152	2,399	1,783
	All	6,152	6,165	6,432

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-18. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Upstream—Feather River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-1 (0%)	2,219 (8.9%)	2,220 (8.9%)
	AN	-280 (-2.4%)	825 (7%)	1,105 (9.6%)
	BN	-281 (-5%)	849 (15%)	1,130 (21%)
	D	47 (1.1%)	-58 (-1.33%)	-105 (-2.4%)
	C	-22 (-0.6%)	-205 (-5.8%)	-183 (-5.2%)
	All	-82 (-0.7%)	926 (7.7%)	1,009 (8.4%)
Feb	W	442 (1.5%)	1,222 (4.1%)	780 (2.6%)
	AN	1,758 (12.4%)	2,892 (20.5%)	1,134 (7.1%)
	BN	-246 (-3%)	1,320 (16.3%)	1,566 (20%)
	D	-36 (-0.8%)	-64 (-1.5%)	-28 (-0.6%)
	C	-23 (-0.7%)	172 (5.56%)	194 (6.3%)
	All	344 (2.4%)	1,047 (7.4%)	703 (4.8%)
Mar	W	-132 (-0.5%)	476 (1.9%)	609 (2.4%)
	AN	291 (1.4%)	1,981 (9.4%)	1,690 (7.9%)
	BN	-282 (-3.9%)	1,162 (16.2%)	1,444 (20.9%)
	D	165 (3.6%)	968 (20.9%)	803 (16.8%)
	C	200 (7.4%)	89 (3.3%)	-111 (-3.8%)
	All	18 (0.1%)	865 (6.2%)	847 (6.1%)
Apr	W	25 (0.2%)	7 (0%)	-18 (-0.1%)
	AN	0 (0%)	-7 (-0.1%)	-7 (-0.1%)
	BN	7 (0.1%)	69 (1.3%)	62 (1.2%)
	D	208 (4.9%)	-178 (-4.2%)	-386 (-8.7%)
	C	228 (7.1%)	141 (4.4%)	-87 (-2.5%)
	All	88 (1%)	-5 (-0.1%)	-94 (-1.1%)
May	W	-3 (0%)	10 (0.1%)	13 (0.1%)
	AN	856 (11%)	-83 (-1.1%)	-939 (-10.9%)
	BN	169 (3.7%)	100 (2.2%)	-69 (-1.5%)
	D	260 (7.1%)	-248 (-6.8%)	-509 (-13%)
	C	-182 (-7.3%)	-220 (-8.8%)	-38 (-1.6%)
	All	184 (2.6%)	-79 (-1.1%)	-262 (-3.6%)
Jun	W	1,781 (22.9%)	314 (4%)	-1,467 (-15.3%)
	AN	2,721 (49.6%)	-101 (-1.8%)	-2,822 (-34.4%)
	BN	3,341 (76.9%)	219 (5%)	-3,122 (-40.6%)
	D	946 (25.1%)	611 (16.2%)	-335 (-7.1%)
	C	-229 (-8.5%)	192 (7.2%)	421 (17.2%)
	All	1,708 (32.6%)	284 (5.4%)	-1,423 (-20.5%)
Jul	W	-473 (-5.5%)	-1,081 (-12.7%)	-608 (-7.5%)
	AN	85 (0.9%)	-1,397 (-14.8%)	-1,482 (-15.6%)
	BN	-372 (-4.1%)	-2,186 (-24.3%)	-1,814 (-21.1%)
	D	-1,527 (-19.9%)	-893 (-11.6%)	634 (10.3%)
	C	-2,905 (-49.8%)	-2,030 (-34.8%)	875 (29.9%)
	All	-961 (-11.8%)	-1,413 (-17.3%)	-452 (-6.3%)

State Water Board Alternative: Upstream—Feather River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-735 (-11%)	-474 (-7.1%)	261 (4.4%)
	AN	-365 (-4.7%)	-1,087 (-14%)	-722 (-9.7%)
	BN	-470 (-6.6%)	-1,493 (-21%)	-1,023 (-15.4%)
	D	-1,759 (-28.4%)	-795 (-12.9%)	964 (21.8%)
	C	514 (21.4%)	1,246 (51.7%)	732 (25%)
	All	-678 (-11%)	-556 (-9%)	121 (2.2%)
Sep	W	-1,738 (-16.7%)	-2,557 (-24.5%)	-819 (-9.4%)
	AN	-1,408 (-15.5%)	-1,855 (-20.5%)	-447 (-5.8%)
	BN	-1,301 (-26.6%)	-443 (-9%)	858 (23.9%)
	D	-286 (-8.7%)	844 (25.7%)	1,130 (37.7%)
	C	297 (14.5%)	751 (36.6%)	455 (19.4%)
	All	-998 (-15.4%)	-862 (-13.3%)	136 (2.5%)
Oct	W	227 (6.1%)	-340 (-9.1%)	-568 (-14.3%)
	AN	212 (7.5%)	-473 (-16.7%)	-685 (-22.5%)
	BN	225 (6.6%)	-573 (-16.9%)	-797 (-22%)
	D	536 (17.1%)	-763 (-24.3%)	-1,299 (-35.3%)
	C	79 (2.9%)	-223 (-8.2%)	-302 (-10.9%)
	All	271 (8.3%)	-475 (-14.5%)	-746 (-21.1%)
Nov	W	69 (1.6%)	432 (9.8%)	362 (8.1%)
	AN	-11 (-0.3%)	439 (13.6%)	450 (14%)
	BN	-17 (-0.6%)	-230 (-8.9%)	-213 (-8.3%)
	D	78 (3.4%)	-197 (-8.6%)	-275 (-11.6%)
	C	54 (2.6%)	-25 (-1.2%)	-79 (-3.7%)
	All	42 (1.4%)	115 (3.7%)	73 (2.3%)
Dec	W	-279 (-2.3%)	1,503 (12.6%)	1,782 (15.3%)
	AN	143 (2.4%)	-365 (-6.1%)	-507 (-8.3%)
	BN	48 (1.4%)	-5 (-0.2%)	-53 (-1.6%)
	D	164 (5.9%)	-400 (-14.3%)	-564 (-19.1%)
	C	246 (11.4%)	-370 (-17.2%)	-616 (-25.7%)
	All	13 (0.2%)	280 (4.6%)	268 (4.3%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

American River at Nimbus Dam

Table C-19. Mean Monthly Flows (cfs) for Model Scenarios in the American River at Nimbus Dam, Year-Round

State Water Board Alternative: Upstream—American River at Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	10,113	10,103	10,213
	AN	4,941	4,989	5,337
	BN	2,334	2,085	2,162
	D	1,620	1,561	1,630
	C	1,241	1,315	1,210
	All	4,865	4,825	4,923
Feb	W	10,422	10,460	10,491
	AN	7,220	7,484	7,718
	BN	4,706	4,896	4,986
	D	1,769	1,709	1,793
	C	1,073	1,120	1,072
	All	5,710	5,787	5,858
Mar	W	6,454	6,454	6,455
	AN	5,762	5,815	5,819
	BN	2,622	2,648	2,658
	D	2,184	2,277	2,236
	C	888	868	809
	All	3,947	3,976	3,961
Apr	W	5,368	5,368	5,369
	AN	3,356	3,353	3,364
	BN	3,117	3,141	3,092
	D	1,761	1,800	1,797
	C	1,091	1,244	1,117
	All	3,271	3,306	3,281
May	W	5,673	5,672	5,675
	AN	3,148	3,259	3,157
	BN	2,466	2,658	2,478
	D	1,629	1,711	1,711
	C	1,319	1,332	1,375
	All	3,231	3,300	3,261
Jun	W	4,521	4,760	4,578
	AN	2,855	3,451	2,772
	BN	2,558	3,089	2,509
	D	2,564	3,131	2,818
	C	1,297	1,289	1,318
	All	3,041	3,417	3,097
Jul	W	3,571	3,972	3,183
	AN	4,634	4,644	4,157
	BN	4,544	4,647	3,719
	D	3,091	3,142	3,017
	C	1,670	1,693	1,465
	All	3,509	3,670	3,129

State Water Board Alternative: Upstream—American River at Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	2,576	2,381	2,774
	AN	2,200	2,086	2,495
	BN	2,313	2,197	3,081
	D	1,779	1,412	1,858
	C	1,308	1,088	1,274
	All	2,115	1,905	2,365
Sep	W	3,982	3,361	3,535
	AN	2,645	2,187	2,392
	BN	1,915	1,492	2,040
	D	1,373	1,360	1,421
	C	761	703	732
	All	2,389	2,042	2,238
Oct	W	1,700	1,594	1,740
	AN	1,609	1,546	1,330
	BN	1,517	1,765	1,440
	D	1,479	1,414	1,384
	C	1,375	1,679	1,453
	All	1,559	1,589	1,509
Nov	W	3,436	2,984	3,304
	AN	3,187	2,878	2,950
	BN	1,985	1,696	1,747
	D	1,725	1,694	1,756
	C	1,707	1,653	1,772
	All	2,523	2,271	2,422
Dec	W	6,671	6,798	7,135
	AN	3,089	3,030	3,188
	BN	2,857	3,009	2,957
	D	1,643	1,606	1,670
	C	1,374	1,442	1,376
	All	3,617	3,676	3,802

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-20. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the American River at Nimbus Dam, Year-Round

State Water Board Alternative: Upstream—American River at Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-10 (-0.1%)	100 (1%)	110 (1.1%)
	AN	48 (1%)	396 (8%)	348 (7%)
	BN	-248 (-10.6%)	-172 (-7.4%)	77 (3.7%)
	D	-59 (-3.6%)	10 (0.62%)	69 (4.4%)
	C	74 (6%)	-32 (-2.6%)	-106 (-8%)
	All	-41 (-0.8%)	58 (1.2%)	99 (2%)
Feb	W	38 (0.4%)	69 (0.7%)	31 (0.3%)
	AN	264 (3.7%)	499 (6.9%)	234 (3.1%)
	BN	190 (4%)	280 (5.9%)	89 (1.8%)
	D	-59 (-3.3%)	24 (1.4%)	83 (4.9%)
	C	46 (4.3%)	-1 (-0.12%)	-47 (-4.2%)
	All	77 (1.3%)	148 (2.6%)	71 (1.2%)
Mar	W	0 (0%)	1 (0%)	1 (0%)
	AN	53 (0.9%)	57 (1%)	4 (0.1%)
	BN	26 (1%)	36 (1.4%)	10 (0.4%)
	D	92 (4.2%)	51 (2.3%)	-41 (-1.8%)
	C	-20 (-2.3%)	-79 (-8.9%)	-59 (-6.8%)
	All	29 (0.7%)	15 (0.4%)	-15 (-0.4%)
Apr	W	0 (0%)	1 (0%)	1 (0%)
	AN	-3 (-0.1%)	8 (0.2%)	11 (0.3%)
	BN	24 (0.8%)	-24 (-0.8%)	-48 (-1.5%)
	D	39 (2.2%)	36 (2.1%)	-3 (-0.1%)
	C	153 (14%)	26 (2.4%)	-127 (-10.2%)
	All	35 (1.1%)	9 (0.3%)	-25 (-0.8%)
May	W	-1 (0%)	1 (0%)	3 (0%)
	AN	111 (3.5%)	9 (0.3%)	-102 (-3.1%)
	BN	192 (7.8%)	12 (0.5%)	-179 (-6.7%)
	D	82 (5%)	81 (5%)	-1 (0%)
	C	13 (1%)	56 (4.2%)	43 (3.2%)
	All	68 (2.1%)	30 (0.9%)	-39 (-1.2%)
Jun	W	239 (5.3%)	57 (1.3%)	-182 (-3.8%)
	AN	596 (20.9%)	-83 (-2.9%)	-679 (-19.7%)
	BN	531 (20.8%)	-49 (-1.9%)	-580 (-18.8%)
	D	566 (22.1%)	254 (9.9%)	-313 (-10%)
	C	-8 (-0.6%)	22 (1.7%)	29 (2.3%)
	All	377 (12.4%)	56 (1.9%)	-320 (-9.4%)
Jul	W	401 (11.2%)	-388 (-10.9%)	-788 (-19.9%)
	AN	9 (0.2%)	-478 (-10.3%)	-487 (-10.5%)
	BN	103 (2.3%)	-825 (-18.2%)	-929 (-20%)
	D	51 (1.6%)	-75 (-2.4%)	-125 (-4%)
	C	22 (1.3%)	-205 (-12.3%)	-228 (-13.5%)
	All	160 (4.6%)	-380 (-10.8%)	-541 (-14.7%)

State Water Board Alternative: Upstream—American River at Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-195 (-7.6%)	198 (7.7%)	393 (16.5%)
	AN	-114 (-5.2%)	296 (13.4%)	409 (19.6%)
	BN	-116 (-5%)	768 (33.2%)	884 (40.2%)
	D	-367 (-20.6%)	80 (4.5%)	446 (31.6%)
	C	-219 (-16.8%)	-34 (-2.6%)	185 (17%)
	All	-211 (-10%)	250 (11.8%)	460 (24.2%)
Sep	W	-621 (-15.6%)	-448 (-11.2%)	174 (5.2%)
	AN	-457 (-17.3%)	-253 (-9.6%)	204 (9.3%)
	BN	-423 (-22.1%)	125 (6.5%)	548 (36.7%)
	D	-13 (-1%)	47 (3.4%)	60 (4.4%)
	C	-58 (-7.6%)	-29 (-3.8%)	29 (4.1%)
	All	-348 (-14.5%)	-152 (-6.3%)	196 (9.6%)
Oct	W	-106 (-6.2%)	41 (2.4%)	147 (9.2%)
	AN	-63 (-3.9%)	-279 (-17.3%)	-216 (-14%)
	BN	248 (16.4%)	-77 (-5.1%)	-325 (-18.4%)
	D	-65 (-4.4%)	-95 (-6.5%)	-31 (-2.2%)
	C	304 (22.1%)	78 (5.6%)	-226 (-13.5%)
	All	30 (1.9%)	-51 (-3.2%)	-80 (-5.1%)
Nov	W	-452 (-13.2%)	-132 (-3.9%)	320 (10.7%)
	AN	-309 (-9.7%)	-237 (-7.4%)	72 (2.5%)
	BN	-289 (-14.6%)	-238 (-12%)	51 (3%)
	D	-30 (-1.8%)	32 (1.8%)	62 (3.7%)
	C	-54 (-3.1%)	66 (3.8%)	119 (7.2%)
	All	-252 (-10%)	-101 (-4%)	152 (6.7%)
Dec	W	127 (1.9%)	464 (7%)	337 (5%)
	AN	-60 (-1.9%)	99 (3.2%)	159 (5.2%)
	BN	152 (5.3%)	99 (3.5%)	-52 (-1.7%)
	D	-37 (-2.3%)	26 (1.6%)	64 (4%)
	C	68 (4.9%)	2 (0.1%)	-66 (-4.6%)
	All	59 (1.6%)	185 (5.1%)	125 (3.4%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

American River at Confluence with Sacramento River

Table C-21. Mean Monthly Flows (cfs) for Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Upstream— American River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	10,031	10,021	10,128
	AN	4,895	4,944	5,290
	BN	2,246	1,997	2,074
	D	1,535	1,477	1,545
	C	1,152	1,226	1,121
	All	4,786	4,745	4,843
Feb	W	10,275	10,313	10,343
	AN	7,148	7,412	7,643
	BN	4,631	4,824	4,912
	D	1,679	1,621	1,703
	C	985	1,030	985
	All	5,607	5,685	5,755
Mar	W	6,304	6,303	6,305
	AN	5,641	5,692	5,694
	BN	2,503	2,527	2,536
	D	2,095	2,187	2,145
	C	785	764	707
	All	3,826	3,855	3,840
Apr	W	5,164	5,164	5,165
	AN	3,136	3,132	3,144
	BN	2,927	2,950	2,902
	D	1,550	1,588	1,585
	C	886	1,040	917
	All	3,066	3,100	3,075
May	W	5,415	5,414	5,416
	AN	2,911	3,022	2,920
	BN	2,222	2,413	2,234
	D	1,399	1,480	1,479
	C	1,118	1,129	1,174
	All	2,993	3,061	3,023
Jun	W	4,206	4,445	4,263
	AN	2,562	3,158	2,479
	BN	2,274	2,803	2,225
	D	2,289	2,855	2,542
	C	1,052	1,044	1,073
	All	2,753	3,129	2,809
Jul	W	3,264	3,663	2,876
	AN	4,344	4,348	3,867
	BN	4,257	4,356	3,432
	D	2,807	2,852	2,730
	C	1,421	1,439	1,211
	All	3,221	3,378	2,840

State Water Board Alternative: Upstream— American River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	2,304	2,106	2,505
	AN	1,921	1,807	2,221
	BN	2,035	1,918	2,810
	D	1,516	1,149	1,596
	C	1,097	893	1,058
	All	1,852	1,643	2,104
Sep	W	3,771	3,151	3,321
	AN	2,437	1,980	2,181
	BN	1,712	1,290	1,829
	D	1,177	1,167	1,223
	C	591	535	561
	All	2,189	1,844	2,035
Oct	W	1,561	1,458	1,605
	AN	1,481	1,421	1,203
	BN	1,364	1,617	1,289
	D	1,333	1,271	1,238
	C	1,232	1,537	1,310
	All	1,418	1,451	1,368
Nov	W	3,363	2,912	3,230
	AN	3,089	2,780	2,854
	BN	1,889	1,598	1,652
	D	1,624	1,594	1,657
	C	1,590	1,534	1,655
	All	2,430	2,177	2,330
Dec	W	6,607	6,739	7,072
	AN	3,007	2,950	3,108
	BN	2,774	2,928	2,875
	D	1,564	1,527	1,590
	C	1,278	1,346	1,279
	All	3,539	3,600	3,724

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

Table C-22. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Upstream— American River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-10 (-0.1%)	96 (1%)	106 (1.1%)
	AN	49 (1%)	395 (8.1%)	346 (7%)
	BN	-249 (-11.1%)	-173 (-7.7%)	77 (3.9%)
	D	-58 (-3.8%)	10 (0.66%)	69 (4.6%)
	C	73 (6.4%)	-32 (-2.7%)	-105 (-8.6%)
	All	-41 (-0.9%)	56 (1.2%)	97 (2%)
Feb	W	38 (0.4%)	68 (0.7%)	30 (0.3%)
	AN	264 (3.7%)	495 (6.9%)	231 (3.1%)
	BN	193 (4.2%)	281 (6.1%)	88 (1.8%)
	D	-59 (-3.5%)	24 (1.4%)	83 (5.1%)
	C	45 (4.6%)	-1 (-0.08%)	-46 (-4.5%)
	All	77 (1.4%)	147 (2.6%)	70 (1.2%)
Mar	W	-1 (0%)	1 (0%)	1 (0%)
	AN	51 (0.9%)	53 (0.9%)	2 (0%)
	BN	25 (1%)	34 (1.3%)	9 (0.4%)
	D	93 (4.4%)	51 (2.4%)	-42 (-1.9%)
	C	-21 (-2.6%)	-78 (-9.9%)	-57 (-7.5%)
	All	29 (0.8%)	13 (0.4%)	-15 (-0.4%)
Apr	W	0 (0%)	1 (0%)	1 (0%)
	AN	-4 (-0.1%)	8 (0.3%)	12 (0.4%)
	BN	24 (0.8%)	-25 (-0.8%)	-48 (-1.6%)
	D	38 (2.4%)	36 (2.3%)	-2 (-0.1%)
	C	154 (17.3%)	30 (3.4%)	-124 (-11.9%)
	All	34 (1.1%)	10 (0.3%)	-25 (-0.8%)
May	W	-1 (0%)	1 (0%)	3 (0%)
	AN	111 (3.8%)	9 (0.3%)	-102 (-3.4%)
	BN	191 (8.6%)	13 (0.6%)	-179 (-7.4%)
	D	82 (5.8%)	81 (5.8%)	-1 (-0.1%)
	C	11 (1%)	56 (5%)	45 (3.9%)
	All	68 (2.3%)	30 (1%)	-38 (-1.3%)
Jun	W	239 (5.7%)	57 (1.4%)	-182 (-4.1%)
	AN	595 (23.2%)	-83 (-3.3%)	-678 (-21.5%)
	BN	529 (23.3%)	-49 (-2.2%)	-578 (-20.6%)
	D	566 (24.7%)	253 (11.1%)	-313 (-11%)
	C	-8 (-0.8%)	21 (2%)	29 (2.8%)
	All	376 (13.7%)	56 (2%)	-320 (-10.2%)
Jul	W	399 (12.2%)	-388 (-11.9%)	-787 (-21.5%)
	AN	4 (0.1%)	-477 (-11%)	-481 (-11.1%)
	BN	98 (2.3%)	-825 (-19.4%)	-923 (-21.2%)
	D	46 (1.6%)	-77 (-2.7%)	-122 (-4.3%)
	C	19 (1.3%)	-210 (-14.8%)	-229 (-15.9%)
	All	157 (4.9%)	-381 (-11.8%)	-538 (-15.9%)

State Water Board Alternative: Upstream— American River at Confluence with Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-198 (-8.6%)	201 (8.7%)	400 (19%)
	AN	-114 (-5.9%)	300 (15.6%)	414 (22.9%)
	BN	-117 (-5.7%)	775 (38.1%)	892 (46.5%)
	D	-367 (-24.2%)	80 (5.3%)	447 (38.9%)
	C	-204 (-18.6%)	-39 (-3.6%)	165 (18.5%)
	All	-210 (-11.3%)	252 (13.6%)	462 (28.1%)
Sep	W	-619 (-16.4%)	-449 (-11.9%)	170 (5.4%)
	AN	-456 (-18.7%)	-256 (-10.5%)	201 (10.1%)
	BN	-422 (-24.6%)	117 (6.8%)	539 (41.8%)
	D	-10 (-0.8%)	46 (3.9%)	56 (4.8%)
	C	-56 (-9.4%)	-29 (-5%)	26 (4.9%)
	All	-346 (-15.8%)	-154 (-7%)	192 (10.4%)
Oct	W	-103 (-6.6%)	43 (2.8%)	146 (10%)
	AN	-60 (-4.1%)	-278 (-18.8%)	-218 (-15.3%)
	BN	253 (18.6%)	-75 (-5.5%)	-328 (-20.3%)
	D	-61 (-4.6%)	-95 (-7.1%)	-34 (-2.7%)
	C	305 (24.8%)	78 (6.3%)	-227 (-14.8%)
	All	33 (2.3%)	-49 (-3.5%)	-82 (-5.7%)
Nov	W	-451 (-13.4%)	-133 (-3.9%)	318 (10.9%)
	AN	-309 (-10%)	-235 (-7.6%)	74 (2.6%)
	BN	-291 (-15.4%)	-237 (-12.6%)	54 (3.4%)
	D	-30 (-1.8%)	33 (2%)	63 (3.9%)
	C	-56 (-3.6%)	65 (4.1%)	122 (7.9%)
	All	-253 (-10.4%)	-100 (-4.1%)	152 (7%)
Dec	W	131 (2%)	465 (7%)	334 (5%)
	AN	-57 (-1.9%)	101 (3.4%)	158 (5.4%)
	BN	154 (5.6%)	101 (3.7%)	-53 (-1.8%)
	D	-37 (-2.4%)	26 (1.7%)	63 (4.1%)
	C	68 (5.3%)	1 (0.1%)	-67 (-5%)
	All	61 (1.7%)	185 (5.2%)	124 (3.4%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Stanislaus River at the Confluence with the San Joaquin River

Table C-23. Mean Monthly Flows (cfs) for Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

State Water Board Alternative: Upstream— Stanislaus River at Confluence with the San Joaquin River				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	968	968	968
	AN	911	912	910
	BN	382	382	382
	D	393	393	393
	C	278	278	278
	All	638	638	638
Feb	W	1,500	1,500	1,492
	AN	985	985	985
	BN	522	522	522
	D	411	410	411
	C	349	349	349
	All	847	847	845
Mar	W	2,259	2,259	2,259
	AN	1,108	1,108	1,109
	BN	642	642	642
	D	431	431	431
	C	445	445	444
	All	1,134	1,134	1,134
Apr	W	2,047	2,047	2,047
	AN	1,605	1,605	1,606
	BN	1,344	1,344	1,345
	D	1,320	1,320	1,317
	C	720	720	715
	All	1,475	1,475	1,474
May	W	1,688	1,688	1,686
	AN	1,292	1,294	1,295
	BN	1,094	1,093	1,095
	D	1,039	1,039	1,034
	C	648	648	642
	All	1,211	1,211	1,209
Jun	W	1,786	1,785	1,775
	AN	1,087	1,085	1,087
	BN	609	607	615
	D	383	385	396
	C	308	308	323
	All	952	952	955
Jul	W	1,070	1,069	1,070
	AN	456	456	462
	BN	427	427	427
	D	355	355	344
	C	318	318	309
	All	588	588	586

State Water Board Alternative: Upstream— Stanislaus River at Confluence with the San Joaquin River				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	843	843	843
	AN	455	455	459
	BN	422	422	422
	D	384	384	384
	C	341	341	339
	All	530	530	530
Sep	W	965	965	965
	AN	477	477	477
	BN	413	413	413
	D	392	392	396
	C	327	327	358
	All	567	567	574
Oct	W	869	869	873
	AN	844	844	846
	BN	851	851	852
	D	980	980	987
	C	670	670	675
	All	840	840	844
Nov	W	427	427	428
	AN	591	591	591
	BN	341	341	341
	D	337	337	338
	C	311	311	311
	All	409	409	409
Dec	W	526	526	526
	AN	767	767	767
	BN	331	331	331
	D	310	310	311
	C	275	275	278
	All	459	459	460

cfs = cubic feet per second

[a] Water year type for this location was determined using the San Joaquin River Valley Index.

Water Year Type:

AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-24. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

State Water Board Alternative: Upstream— Stanislaus River at Confluence with the San Joaquin River				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0%)	0 (0%)
	AN	1 (0.1%)	-1 (-0.1%)	-2 (-0.3%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
Feb	W	0 (0%)	-7 (-0.5%)	-8 (-0.5%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0.1%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.05%)	0 (0%)
	All	0 (0%)	-2 (-0.3%)	-2 (-0.3%)
Mar	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	-1 (-0.2%)	-1 (-0.2%)
	C	0 (0%)	-1 (-0.3%)	-1 (-0.3%)
	All	0 (0%)	0 (0%)	0 (0%)
Apr	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	1 (0%)	1 (0%)
	BN	0 (0%)	1 (0.1%)	1 (0.1%)
	D	0 (0%)	-3 (-0.2%)	-3 (-0.2%)
	C	0 (0%)	-5 (-0.7%)	-5 (-0.7%)
	All	0 (0%)	-1 (-0.1%)	-1 (-0.1%)
May	W	0 (0%)	-2 (-0.1%)	-2 (-0.1%)
	AN	2 (0.1%)	3 (0.2%)	1 (0.1%)
	BN	-1 (-0.1%)	1 (0.1%)	2 (0.2%)
	D	0 (0%)	-6 (-0.5%)	-6 (-0.5%)
	C	0 (0%)	-6 (-0.9%)	-6 (-0.9%)
	All	0 (0%)	-2 (-0.2%)	-2 (-0.2%)
Jun	W	0 (0%)	-10 (-0.6%)	-10 (-0.6%)
	AN	-2 (-0.2%)	0 (0%)	2 (0.2%)
	BN	-2 (-0.3%)	6 (1%)	7 (1.2%)
	D	2 (0.6%)	13 (3.3%)	10 (2.7%)
	C	0 (0%)	15 (4.9%)	15 (4.9%)
	All	0 (0%)	3 (0.3%)	3 (0.3%)
Jul	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	7 (1.4%)	7 (1.4%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0.1%)	-11 (-3.1%)	-11 (-3.2%)
	C	0 (0%)	-10 (-3%)	-10 (-3.1%)
	All	0 (0%)	-2 (-0.4%)	-2 (-0.4%)

State Water Board Alternative: Upstream— Stanislaus River at Confluence with the San Joaquin River				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	4 (0.9%)	4 (0.9%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	-3 (-0.8%)	-3 (-0.8%)
	All	0 (0%)	0 (0%)	0 (0.1%)
Sep	W	-1 (-0.1%)	0 (0%)	1 (0.1%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	3 (0.8%)	3 (0.8%)
	C	0 (0%)	31 (9.4%)	31 (9.4%)
	All	0 (0%)	6 (1.1%)	7 (1.2%)
Oct	W	0 (0%)	4 (0.4%)	4 (0.4%)
	AN	0 (0%)	2 (0.3%)	2 (0.3%)
	BN	0 (0%)	1 (0.1%)	1 (0.1%)
	D	0 (0%)	6 (0.6%)	6 (0.6%)
	C	0 (0%)	6 (0.8%)	6 (0.8%)
	All	0 (0%)	4 (0.5%)	4 (0.5%)
Nov	W	0 (0%)	1 (0.2%)	1 (0.2%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	1 (0.2%)	1 (0.2%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
Dec	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	1 (0.4%)	1 (0.4%)
	C	0 (0%)	3 (1.2%)	3 (1.2%)
	All	0 (0%)	1 (0.2%)	1 (0.2%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

[b] Water year type for this location was determined using the San Joaquin River Valley Index.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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C.4.1.2 In Delta

OMR Flow (Old and Middle Rivers)

Table C-25. Mean Monthly Flows (cfs) for Model Scenarios in the Old and Middle Rivers, Year-Round

State Water Board Alternative: In Delta—OMR Flow (Old and Middle Rivers)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	-1,771	2,042	3,171
	AN	-3,483	-1,407	-108
	BN	-4,309	-2,401	318
	D	-4,713	-2,959	78
	C	-3,634	-2,895	-73
	All	-3,373	-1,042	1,051
Feb	W	-2,124	3,697	4,182
	AN	-3,017	-22	1,347
	BN	-3,142	-2,006	-421
	D	-3,924	-3,151	159
	C	-3,372	-3,132	-83
	All	-3,006	-323	1,474
Mar	W	-1,691	4,494	5,085
	AN	-4,080	608	495
	BN	-3,933	-2,075	129
	D	-2,826	-2,502	-487
	C	-1,817	-1,866	-921
	All	-2,691	337	1,465
Apr	W	2,408	2,241	1,517
	AN	909	-82	-346
	BN	497	-442	-327
	D	-617	-1,411	-714
	C	-896	-1,239	-1,188
	All	715	132	44
May	W	1,685	2,246	1,450
	AN	549	-326	-560
	BN	65	-611	-686
	D	-961	-1,404	-1,326
	C	-1,043	-1,034	-1,274
	All	262	101	-217
Jun	W	-4,271	-807	-412
	AN	-4,624	-2,340	-1,897
	BN	-3,577	-3,000	-2,165
	D	-3,047	-2,556	-2,453
	C	-2,195	-1,713	-2,414
	All	-3,632	-1,922	-1,670
Jul	W	-9,077	-6,949	-3,681
	AN	-9,036	-7,337	-5,986
	BN	-10,426	-8,553	-4,321
	D	-9,996	-7,111	-5,482
	C	-6,389	-3,268	-4,252
	All	-9,110	-6,777	-4,606

State Water Board Alternative: In Delta—OMR Flow (Old and Middle Rivers)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	-10,552	-5,539	-1,347
	AN	-10,838	-7,105	-3,240
	BN	-9,442	-7,041	-1,897
	D	-8,071	-4,764	-2,365
	C	-3,725	-3,810	-3,424
	All	-8,861	-5,602	-2,245
Sep	W	-8,437	719	1,094
	AN	-8,986	-370	542
	BN	-8,539	-4,331	-274
	D	-6,148	-4,049	-176
	C	-4,276	-3,860	-789
	All	-7,423	-2,019	225
Oct	W	-5,847	-1,508	-391
	AN	-4,587	-1,708	-610
	BN	-5,137	-1,612	-713
	D	-5,057	-1,770	-458
	C	-5,025	-2,104	-857
	All	-5,248	-1,700	-561
Nov	W	-7,002	-1,187	-529
	AN	-6,221	-2,624	-1,045
	BN	-6,175	-2,464	-1,032
	D	-5,277	-2,436	-649
	C	-4,283	-2,919	-585
	All	-5,970	-2,143	-725
Dec	W	-5,428	-2,833	-2,293
	AN	-7,362	-5,631	-2,649
	BN	-7,231	-6,078	-2,167
	D	-7,517	-6,149	-2,452
	C	-5,334	-5,438	-718
	All	-6,464	-4,906	-2,128

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-26. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Old and Middle Rivers, Year-Round

State Water Board Alternative: In Delta—OMR Flow (Old and Middle Rivers)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	3,813 (215%)	4,942 (242%)	1,129 (36%)
	AN	2,076 (60%)	3,376 (240%)	1,300 (1,207%)
	BN	1,907 (44%)	4,627 (193%)	2,720 (854%)
	D	1,755 (37%)	4,791 (162%)	3,037 (3,894%)
	C	739 (20%)	3,561 (123%)	2,821 (3,855%)
	All	2,332 (69%)	4,424 (425%)	2,092 (199%)
Feb	W	5,822 (274%)	6,306 (171%)	485 (12%)
	AN	2,995 (99%)	4,364 (19,600%)	1,369 (102%)
	BN	1,136 (36%)	2,721 (136%)	1,585 (377%)
	D	773 (20%)	4,083 (130%)	3,309 (2,084%)
	C	240 (7%)	3,289 (105%)	3,049 (3,669%)
	All	2,683 (89%)	4,480 (1,386%)	1,797 (122%)
Mar	W	6,185 (366%)	6,775 (151%)	591 (12%)
	AN	4,688 (115%)	4,574 (752%)	-113 (-23%)
	BN	1,857 (47%)	4,062 (196%)	2,205 (1,707%)
	D	324 (11%)	2,340 (94%)	2,015 (414%)
	C	-49 (-3%)	896 (48%)	945 (103%)
	All	3,028 (113%)	4,156 (1,232%)	1,128 (77%)
Apr	W	-167 (-7%)	-891 (-40%)	-724 (-48%)
	AN	-991 (-109%)	-1,255 (-1,535%)	-264 (-76%)
	BN	-939 (-189%)	-824 (-187%)	114 (35%)
	D	-794 (-129%)	-96 (-7%)	697 (98%)
	C	-344 (-38%)	-293 (-24%)	51 (4%)
	All	-583 (-82%)	-671 (-508%)	-88 (-200%)
May	W	561 (33%)	-235 (-10%)	-795 (-55%)
	AN	-875 (-159%)	-1,109 (-340%)	-235 (-42%)
	BN	-676 (-1,047%)	-750 (-123%)	-74 (-11%)
	D	-442 (-46%)	-365 (-26%)	77 (6%)
	C	10 (1%)	-231 (-22%)	-241 (-19%)
	All	-161 (-62%)	-479 (-476%)	-317 (-146%)
Jun	W	3,464 (81%)	3,860 (478%)	395 (96%)
	AN	2,284 (49%)	2,727 (117%)	443 (23%)
	BN	577 (16%)	1,412 (47%)	835 (39%)
	D	491 (16%)	593 (23%)	103 (4%)
	C	482 (22%)	-220 (-13%)	-701 (-29%)
	All	1,709 (47%)	1,962 (102%)	253 (15%)
Jul	W	2,128 (23%)	5,396 (78%)	3,269 (89%)
	AN	1,699 (19%)	3,050 (42%)	1,351 (23%)
	BN	1,873 (18%)	6,105 (71%)	4,232 (98%)
	D	2,885 (29%)	4,514 (63%)	1,629 (30%)
	C	3,120 (49%)	2,137 (65%)	-984 (-23%)
	All	2,333 (26%)	4,503 (66%)	2,170 (47%)

State Water Board Alternative: In Delta—OMR Flow (Old and Middle Rivers)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	5,012 (48%)	9,205 (166%)	4,192 (311%)
	AN	3,733 (34%)	7,598 (107%)	3,865 (119%)
	BN	2,402 (25%)	7,546 (107%)	5,144 (271%)
	D	3,307 (41%)	5,706 (120%)	2,399 (101%)
	C	-85 (-2%)	301 (8%)	386 (11%)
	All	3,259 (37%)	6,615 (118%)	3,356 (149%)
Sep	W	9,157 (109%)	9,531 (1,325%)	374 (34%)
	AN	8,616 (96%)	9,528 (2,576%)	912 (168%)
	BN	4,208 (49%)	8,266 (191%)	4,058 (1,483%)
	D	2,098 (34%)	5,972 (147%)	3,873 (2,200%)
	C	416 (10%)	3,487 (90%)	3,071 (389%)
	All	5,404 (73%)	7,649 (379%)	2,245 (996%)
Oct	W	4,339 (74%)	5,456 (362%)	1,117 (286%)
	AN	2,879 (63%)	3,978 (233%)	1,098 (180%)
	BN	3,524 (69%)	4,424 (274%)	900 (126%)
	D	3,287 (65%)	4,599 (260%)	1,311 (286%)
	C	2,920 (58%)	4,168 (198%)	1,247 (146%)
	All	3,548 (68%)	4,687 (276%)	1,139 (203%)
Nov	W	5,815 (83%)	6,473 (545%)	657 (124%)
	AN	3,597 (58%)	5,176 (197%)	1,579 (151%)
	BN	3,711 (60%)	5,143 (209%)	1,432 (139%)
	D	2,840 (54%)	4,628 (190%)	1,788 (276%)
	C	1,364 (32%)	3,698 (127%)	2,334 (399%)
	All	3,827 (64%)	5,245 (245%)	1,418 (196%)
Dec	W	2,595 (48%)	3,135 (111%)	540 (24%)
	AN	1,731 (24%)	4,712 (84%)	2,981 (113%)
	BN	1,153 (16%)	5,064 (83%)	3,911 (180%)
	D	1,368 (18%)	5,066 (82%)	3,698 (151%)
	C	-104 (-2%)	4,616 (85%)	4,719 (657%)
	All	1,558 (24%)	4,336 (88%)	2,777 (131%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Sacramento River Downstream of North Delta Diversion Facility

Table C-27. Mean Monthly Flows (cfs) for Model Scenarios for the Sacramento River Downstream of the North Delta Diversion Facility, Year-Round

State Water Board Alternative: In Delta— Sacramento River Downstream of North Delta Diversion Facility				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	51,963	42,922	45,964
	AN	38,966	32,114	35,277
	BN	23,111	18,670	21,816
	D	17,420	15,082	15,890
	C	14,516	12,792	13,065
	All	32,073	26,679	28,861
Feb	W	58,879	48,669	51,340
	AN	46,911	39,319	42,863
	BN	31,705	25,204	28,452
	D	21,018	17,291	19,108
	C	14,422	13,251	13,991
	All	37,671	31,223	33,651
Mar	W	50,198	39,664	44,230
	AN	45,105	35,187	40,475
	BN	23,010	16,848	21,865
	D	20,284	16,052	18,866
	C	13,045	11,959	11,918
	All	32,807	25,876	29,566
Apr	W	37,883	28,473	33,307
	AN	25,393	17,877	23,494
	BN	17,248	13,809	15,216
	D	12,836	11,277	11,430
	C	10,033	9,635	9,606
	All	22,959	17,887	20,512
May	W	29,061	22,219	25,471
	AN	19,707	16,232	18,172
	BN	13,003	11,574	12,071
	D	10,606	10,127	10,155
	C	8,136	7,431	7,579
	All	17,837	14,707	16,135
Jun	W	19,758	15,310	14,770
	AN	15,163	13,017	11,899
	BN	13,131	13,000	10,844
	D	12,538	12,108	11,678
	C	9,829	9,185	9,891
	All	14,916	12,981	12,287
Jul	W	20,330	16,837	13,332
	AN	22,186	18,952	17,083
	BN	20,953	18,277	13,987
	D	18,670	15,479	15,008
	C	14,149	10,084	11,269
	All	19,439	16,106	14,058

State Water Board Alternative: In Delta— Sacramento River Downstream of North Delta Diversion Facility				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	15,882	10,355	8,966
	AN	16,585	12,652	11,582
	BN	15,243	12,500	10,146
	D	14,504	10,038	10,689
	C	9,298	8,784	9,576
	All	14,610	10,758	10,018
Sep	W	26,844	18,132	15,176
	AN	21,227	12,356	11,321
	BN	12,783	8,377	7,949
	D	9,748	7,712	7,725
	C	7,687	7,461	7,196
	All	17,065	11,772	10,575
Oct	W	12,783	9,109	9,625
	AN	10,426	8,220	8,197
	BN	10,582	8,441	8,616
	D	10,230	8,331	8,296
	C	9,389	8,070	8,137
	All	11,005	8,542	8,734
Nov	W	20,479	14,895	15,435
	AN	16,862	12,301	12,866
	BN	13,546	9,348	9,492
	D	12,499	9,474	9,611
	C	9,449	8,253	8,161
	All	15,400	11,406	11,701
Dec	W	39,335	32,728	36,038
	AN	22,698	20,165	20,503
	BN	17,171	15,568	15,597
	D	15,384	14,065	13,963
	C	10,840	10,659	10,213
	All	23,689	20,633	21,650

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-28. Differences[a] (Percent Differences) between Pairs of Model Scenarios for the Sacramento River Downstream of the North Delta Diversion Facility, Year-Round

State Water Board Alternative: In Delta—Sacramento River Downstream of North Delta Diversion Facility				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-9,041 (-17.4%)	-5,999 (-11.5%)	3,042 (7.1%)
	AN	-6,852 (-17.6%)	-3,689 (-9.5%)	3,163 (9.8%)
	BN	-4,441 (-19.2%)	-1,295 (-5.6%)	3,145 (16.8%)
	D	-2,338 (-13.4%)	-1,529 (-8.78%)	809 (5.4%)
	C	-1,724 (-11.9%)	-1,452 (-10%)	273 (2.1%)
	All	-5,393 (-16.8%)	-3,211 (-10%)	2,182 (8.2%)
Feb	W	-10,210 (-17.3%)	-7,539 (-12.8%)	2,671 (5.5%)
	AN	-7,592 (-16.2%)	-4,048 (-8.6%)	3,544 (9%)
	BN	-6,501 (-20.5%)	-3,253 (-10.3%)	3,248 (12.9%)
	D	-3,727 (-17.7%)	-1,910 (-9.1%)	1,817 (10.5%)
	C	-1,171 (-8.1%)	-431 (-2.99%)	740 (5.6%)
	All	-6,448 (-17.1%)	-4,021 (-10.7%)	2,427 (7.8%)
Mar	W	-10,534 (-21%)	-5,969 (-11.9%)	4,565 (11.5%)
	AN	-9,918 (-22%)	-4,629 (-10.3%)	5,289 (15%)
	BN	-6,162 (-26.8%)	-1,145 (-5%)	5,017 (29.8%)
	D	-4,232 (-20.9%)	-1,418 (-7%)	2,815 (17.5%)
	C	-1,086 (-8.3%)	-1,128 (-8.6%)	-42 (-0.3%)
	All	-6,932 (-21.1%)	-3,242 (-9.9%)	3,690 (14.3%)
Apr	W	-9,411 (-24.8%)	-4,576 (-12.1%)	4,835 (17%)
	AN	-7,516 (-29.6%)	-1,899 (-7.5%)	5,617 (31.4%)
	BN	-3,440 (-19.9%)	-2,033 (-11.8%)	1,407 (10.2%)
	D	-1,559 (-12.1%)	-1,406 (-11%)	153 (1.4%)
	C	-398 (-4%)	-427 (-4.3%)	-30 (-0.3%)
	All	-5,071 (-22.1%)	-2,447 (-10.7%)	2,624 (14.7%)
May	W	-6,842 (-23.5%)	-3,590 (-12.4%)	3,251 (14.6%)
	AN	-3,475 (-17.6%)	-1,535 (-7.8%)	1,940 (12%)
	BN	-1,429 (-11%)	-932 (-7.2%)	497 (4.3%)
	D	-478 (-4.5%)	-450 (-4.2%)	28 (0.3%)
	C	-706 (-8.7%)	-558 (-6.9%)	148 (2%)
	All	-3,130 (-17.5%)	-1,703 (-9.5%)	1,427 (9.7%)
Jun	W	-4,448 (-22.5%)	-4,987 (-25.2%)	-539 (-3.5%)
	AN	-2,146 (-14.2%)	-3,265 (-21.5%)	-1,119 (-8.6%)
	BN	-131 (-1%)	-2,287 (-17.4%)	-2,156 (-16.6%)
	D	-430 (-3.4%)	-860 (-6.9%)	-431 (-3.6%)
	C	-643 (-6.5%)	62 (0.6%)	705 (7.7%)
	All	-1,935 (-13%)	-2,629 (-17.6%)	-694 (-5.3%)
Jul	W	-3,493 (-17.2%)	-6,999 (-34.4%)	-3,506 (-20.8%)
	AN	-3,234 (-14.6%)	-5,103 (-23%)	-1,869 (-9.9%)
	BN	-2,676 (-12.8%)	-6,966 (-33.2%)	-4,291 (-23.5%)
	D	-3,190 (-17.1%)	-3,662 (-19.6%)	-472 (-3%)
	C	-4,065 (-28.7%)	-2,880 (-20.4%)	1,185 (11.8%)
	All	-3,333 (-17.1%)	-5,381 (-27.7%)	-2,048 (-12.7%)

State Water Board Alternative: In Delta—Sacramento River Downstream of North Delta Diversion Facility				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-5,527 (-34.8%)	-6,915 (-43.5%)	-1,388 (-13.4%)
	AN	-3,934 (-23.7%)	-5,003 (-30.2%)	-1,069 (-8.5%)
	BN	-2,743 (-18%)	-5,098 (-33.4%)	-2,354 (-18.8%)
	D	-4,466 (-30.8%)	-3,815 (-26.3%)	651 (6.5%)
	C	-514 (-5.5%)	278 (3%)	793 (9%)
	All	-3,852 (-26.4%)	-4,592 (-31.4%)	-740 (-6.9%)
Sep	W	-8,712 (-32.5%)	-11,667 (-43.5%)	-2,956 (-16.3%)
	AN	-8,871 (-41.8%)	-9,905 (-46.7%)	-1,034 (-8.4%)
	BN	-4,406 (-34.5%)	-4,834 (-37.8%)	-428 (-5.1%)
	D	-2,036 (-20.9%)	-2,023 (-20.8%)	13 (0.2%)
	C	-227 (-3%)	-491 (-6.4%)	-264 (-3.5%)
	All	-5,293 (-31%)	-6,490 (-38%)	-1,197 (-10.2%)
Oct	W	-3,674 (-28.7%)	-3,158 (-24.7%)	516 (5.7%)
	AN	-2,207 (-21.2%)	-2,229 (-21.4%)	-23 (-0.3%)
	BN	-2,141 (-20.2%)	-1,966 (-18.6%)	175 (2.1%)
	D	-1,898 (-18.6%)	-1,933 (-18.9%)	-35 (-0.4%)
	C	-1,319 (-14%)	-1,251 (-13.3%)	67 (0.8%)
	All	-2,463 (-22.4%)	-2,271 (-20.6%)	192 (2.2%)
Nov	W	-5,584 (-27.3%)	-5,044 (-24.6%)	540 (3.6%)
	AN	-4,562 (-27.1%)	-3,996 (-23.7%)	566 (4.6%)
	BN	-4,198 (-31%)	-4,054 (-29.9%)	144 (1.5%)
	D	-3,025 (-24.2%)	-2,887 (-23.1%)	138 (1.5%)
	C	-1,196 (-12.7%)	-1,288 (-13.6%)	-93 (-1.1%)
	All	-3,994 (-25.9%)	-3,699 (-24%)	295 (2.6%)
Dec	W	-6,607 (-16.8%)	-3,297 (-8.4%)	3,310 (10.1%)
	AN	-2,533 (-11.2%)	-2,195 (-9.7%)	338 (1.7%)
	BN	-1,603 (-9.3%)	-1,574 (-9.2%)	29 (0.2%)
	D	-1,320 (-8.6%)	-1,422 (-9.2%)	-102 (-0.7%)
	C	-181 (-1.7%)	-627 (-5.8%)	-446 (-4.2%)
	All	-3,055 (-12.9%)	-2,039 (-8.6%)	1,016 (4.9%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Sacramento River at Rio Vista

Table C-29. Mean Monthly Flows (cfs) for Model Scenarios in the Sacramento River at Rio Vista, Year-Round

State Water Board Alternative: In Delta—Sacramento River at Rio Vista				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	75,510	69,760	72,351
	AN	41,416	37,307	39,033
	BN	20,388	18,308	19,388
	D	15,032	13,636	13,718
	C	12,114	11,016	10,849
	All	38,556	35,310	36,562
Feb	W	87,232	80,514	81,746
	AN	53,615	50,586	52,458
	BN	30,231	26,458	28,066
	D	19,318	17,032	17,634
	C	12,074	11,488	11,700
	All	46,674	42,869	43,971
Mar	W	66,275	59,080	61,424
	AN	47,974	41,897	44,986
	BN	19,629	15,589	18,729
	D	17,341	14,771	16,230
	C	10,603	10,067	9,606
	All	36,744	32,241	34,225
Apr	W	38,692	32,848	34,761
	AN	22,234	17,186	20,615
	BN	14,295	11,845	12,561
	D	10,216	9,081	9,010
	C	7,520	7,283	7,145
	All	21,306	18,012	19,207
May	W	24,220	18,383	21,125
	AN	15,857	12,926	14,550
	BN	9,862	8,714	9,083
	D	7,840	7,525	7,463
	C	5,656	5,146	5,179
	All	14,232	11,613	12,774
Jun	W	12,993	8,934	8,444
	AN	8,634	6,665	5,773
	BN	6,677	6,652	5,019
	D	6,250	6,006	5,617
	C	4,304	3,939	4,359
	All	8,525	6,839	6,250
Jul	W	11,207	8,924	6,263
	AN	12,544	10,235	8,947
	BN	11,667	9,779	6,752
	D	10,105	8,156	7,516
	C	6,866	4,103	4,883
	All	10,604	8,388	6,812

State Water Board Alternative: In Delta—Sacramento River at Rio Vista				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	8,527	4,595	3,637
	AN	9,013	6,205	5,495
	BN	8,062	6,146	4,486
	D	7,525	4,374	4,863
	C	3,823	3,710	4,160
	All	7,610	4,918	4,399
Sep	W	20,717	10,406	8,178
	AN	12,961	6,275	5,477
	BN	6,538	3,513	3,156
	D	4,432	3,014	3,000
	C	3,215	3,020	2,807
	All	11,025	5,921	5,003
Oct	W	7,867	4,943	5,578
	AN	5,518	3,656	3,859
	BN	5,416	3,918	3,987
	D	5,221	3,801	3,772
	C	4,684	3,805	3,808
	All	6,058	4,162	4,399
Nov	W	17,184	12,318	13,073
	AN	13,102	8,954	9,714
	BN	9,448	5,769	5,766
	D	8,539	5,930	5,996
	C	5,586	4,577	4,393
	All	11,671	8,172	8,510
Dec	W	44,292	40,630	42,968
	AN	20,375	18,884	18,833
	BN	15,099	13,882	13,972
	D	11,868	11,126	10,698
	C	7,341	7,372	6,861
	All	23,283	21,538	22,118

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-30. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Sacramento River at Rio Vista, Year-Round

State Water Board Alternative: In Delta—Sacramento River at Rio Vista				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-5,751 (-7.6%)	-3,159 (-4.2%)	2,592 (3.7%)
	AN	-4,109 (-9.9%)	-2,383 (-5.8%)	1,726 (4.6%)
	BN	-2,080 (-10.2%)	-1,000 (-4.9%)	1,080 (5.9%)
	D	-1,396 (-9.3%)	-1,314 (-8.74%)	82 (0.6%)
	C	-1,098 (-9.1%)	-1,265 (-10.4%)	-167 (-1.5%)
	All	-3,247 (-8.4%)	-1,995 (-5.2%)	1,252 (3.5%)
Feb	W	-6,718 (-7.7%)	-5,486 (-6.3%)	1,232 (1.5%)
	AN	-3,029 (-5.6%)	-1,157 (-2.2%)	1,872 (3.7%)
	BN	-3,773 (-12.5%)	-2,165 (-7.2%)	1,608 (6.1%)
	D	-2,286 (-11.8%)	-1,685 (-8.7%)	602 (3.5%)
	C	-586 (-4.9%)	-374 (-3.1%)	212 (1.8%)
	All	-3,805 (-8.2%)	-2,703 (-5.8%)	1,102 (2.6%)
Mar	W	-7,195 (-10.9%)	-4,851 (-7.3%)	2,344 (4%)
	AN	-6,077 (-12.7%)	-2,988 (-6.2%)	3,089 (7.4%)
	BN	-4,039 (-20.6%)	-900 (-4.6%)	3,139 (20.1%)
	D	-2,570 (-14.8%)	-1,110 (-6.4%)	1,460 (9.9%)
	C	-536 (-5.1%)	-997 (-9.4%)	-461 (-4.6%)
	All	-4,503 (-12.3%)	-2,519 (-6.9%)	1,984 (6.2%)
Apr	W	-5,844 (-15.1%)	-3,931 (-10.2%)	1,913 (5.8%)
	AN	-5,048 (-22.7%)	-1,619 (-7.3%)	3,429 (20%)
	BN	-2,450 (-17.1%)	-1,733 (-12.1%)	717 (6.1%)
	D	-1,134 (-11.1%)	-1,206 (-11.8%)	-71 (-0.8%)
	C	-237 (-3.2%)	-375 (-5%)	-137 (-1.9%)
	All	-3,294 (-15.5%)	-2,099 (-9.9%)	1,195 (6.6%)
May	W	-5,837 (-24.1%)	-3,095 (-12.8%)	2,741 (14.9%)
	AN	-2,931 (-18.5%)	-1,306 (-8.2%)	1,625 (12.6%)
	BN	-1,148 (-11.6%)	-778 (-7.9%)	369 (4.2%)
	D	-314 (-4%)	-377 (-4.8%)	-63 (-0.8%)
	C	-510 (-9%)	-477 (-8.4%)	33 (0.6%)
	All	-2,619 (-18.4%)	-1,458 (-10.2%)	1,161 (10%)
Jun	W	-4,059 (-31.2%)	-4,550 (-35%)	-491 (-5.5%)
	AN	-1,969 (-22.8%)	-2,861 (-33.1%)	-892 (-13.4%)
	BN	-26 (-0.4%)	-1,658 (-24.8%)	-1,633 (-24.5%)
	D	-244 (-3.9%)	-633 (-10.1%)	-390 (-6.5%)
	C	-365 (-8.5%)	55 (1.3%)	419 (10.6%)
	All	-1,687 (-19.8%)	-2,276 (-26.7%)	-589 (-8.6%)
Jul	W	-2,283 (-20.4%)	-4,944 (-44.1%)	-2,662 (-29.8%)
	AN	-2,309 (-18.4%)	-3,597 (-28.7%)	-1,288 (-12.6%)
	BN	-1,887 (-16.2%)	-4,915 (-42.1%)	-3,028 (-31%)
	D	-1,950 (-19.3%)	-2,589 (-25.6%)	-640 (-7.8%)
	C	-2,764 (-40.2%)	-1,983 (-28.9%)	781 (19%)
	All	-2,216 (-20.9%)	-3,792 (-35.8%)	-1,576 (-18.8%)

State Water Board Alternative: In Delta—Sacramento River at Rio Vista				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-3,932 (-46.1%)	-4,890 (-57.4%)	-959 (-20.9%)
	AN	-2,808 (-31.2%)	-3,518 (-39%)	-710 (-11.4%)
	BN	-1,916 (-23.8%)	-3,576 (-44.4%)	-1,660 (-27%)
	D	-3,151 (-41.9%)	-2,662 (-35.4%)	489 (11.2%)
	C	-113 (-3%)	337 (8.8%)	450 (12.1%)
	All	-2,693 (-35.4%)	-3,211 (-42.2%)	-518 (-10.5%)
Sep	W	-10,311 (-49.8%)	-12,539 (-60.5%)	-2,228 (-21.4%)
	AN	-6,686 (-51.6%)	-7,484 (-57.7%)	-798 (-12.7%)
	BN	-3,025 (-46.3%)	-3,382 (-51.7%)	-357 (-10.2%)
	D	-1,417 (-32%)	-1,432 (-32.3%)	-14 (-0.5%)
	C	-195 (-6.1%)	-408 (-12.7%)	-213 (-7.1%)
	All	-5,104 (-46.3%)	-6,022 (-54.6%)	-919 (-15.5%)
Oct	W	-2,923 (-37.2%)	-2,289 (-29.1%)	635 (12.8%)
	AN	-1,861 (-33.7%)	-1,658 (-30.1%)	203 (5.6%)
	BN	-1,498 (-27.7%)	-1,430 (-26.4%)	68 (1.7%)
	D	-1,420 (-27.2%)	-1,449 (-27.8%)	-29 (-0.8%)
	C	-880 (-18.8%)	-876 (-18.7%)	3 (0.1%)
	All	-1,896 (-31.3%)	-1,659 (-27.4%)	237 (5.7%)
Nov	W	-4,866 (-28.3%)	-4,111 (-23.9%)	755 (6.1%)
	AN	-4,148 (-31.7%)	-3,389 (-25.9%)	759 (8.5%)
	BN	-3,679 (-38.9%)	-3,682 (-39%)	-3 (-0.1%)
	D	-2,609 (-30.6%)	-2,543 (-29.8%)	66 (1.1%)
	C	-1,010 (-18.1%)	-1,194 (-21.4%)	-184 (-4%)
	All	-3,498 (-30%)	-3,161 (-27.1%)	338 (4.1%)
Dec	W	-3,662 (-8.3%)	-1,324 (-3%)	2,337 (5.8%)
	AN	-1,491 (-7.3%)	-1,542 (-7.6%)	-51 (-0.3%)
	BN	-1,217 (-8.1%)	-1,127 (-7.5%)	90 (0.6%)
	D	-7,42 (-6.3%)	-1,170 (-9.9%)	-428 (-3.8%)
	C	31 (0.4%)	-480 (-6.5%)	-511 (-6.9%)
	All	-1,745 (-7.5%)	-1,165 (-5%)	580 (2.7%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Delta Outflow

Table C-31. Mean Monthly Flows (cfs) for Model Scenarios at the Delta Outflow, Year-Round

State Water Board Alternative: In Delta—Delta Outflow				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	91,158	89,043	93,298
	AN	48,959	46,703	50,296
	BN	22,263	22,375	26,827
	D	14,754	15,504	19,015
	C	12,173	12,035	14,879
	All	44,889	44,053	47,874
Feb	W	104,533	103,486	105,599
	AN	64,163	64,434	68,333
	BN	37,266	34,727	38,514
	D	20,936	19,589	24,088
	C	12,553	12,582	16,193
	All	55,330	54,312	57,715
Mar	W	81,693	80,579	84,922
	AN	55,754	54,610	59,336
	BN	22,522	20,621	27,711
	D	19,388	17,153	21,782
	C	11,948	11,597	12,648
	All	43,911	42,524	46,973
Apr	W	54,860	49,230	52,642
	AN	31,183	25,378	30,608
	BN	21,218	18,426	20,654
	D	13,450	11,943	13,339
	C	8,881	8,635	8,914
	All	29,833	26,355	28,929
May	W	38,276	33,689	37,773
	AN	23,131	20,005	22,948
	BN	14,740	13,600	15,130
	D	9,737	9,412	10,092
	C	6,341	6,087	6,240
	All	21,103	18,888	21,047
Jun	W	18,080	17,768	18,422
	AN	10,177	10,825	11,121
	BN	8,067	8,824	8,140
	D	7,123	7,442	7,372
	C	5,345	5,332	5,429
	All	10,945	11,138	11,271
Jul	W	10,817	9,549	9,525
	AN	10,657	9,217	8,865
	BN	7,613	6,897	7,266
	D	5,548	5,462	6,928
	C	4,953	4,255	4,423
	All	8,232	7,376	7,726

State Water Board Alternative: In Delta—Delta Outflow				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	4,412	4,203	7,284
	AN	4,009	4,012	7,100
	BN	4,120	3,927	7,100
	D	4,617	3,664	6,926
	C	4,141	3,634	4,799
	All	4,308	3,926	6,783
Sep	W	18,873	19,673	16,868
	AN	11,810	11,953	11,778
	BN	3,795	3,654	7,407
	D	3,067	3,000	7,055
	C	3,000	3,000	5,919
	All	9,473	9,708	10,752
Oct	W	8,133	8,960	10,502
	AN	6,500	7,361	8,084
	BN	6,206	7,775	8,460
	D	6,017	7,548	8,544
	C	4,969	6,742	7,733
	All	6,638	7,889	8,964
Nov	W	17,346	17,248	18,809
	AN	12,410	11,239	13,700
	BN	8,694	8,045	9,592
	D	8,375	7,967	9,926
	C	5,988	5,802	8,140
	All	11,515	11,085	12,976
Dec	W	49,759	48,031	51,387
	AN	19,384	19,348	22,580
	BN	13,284	13,111	17,407
	D	8,467	8,966	12,525
	C	5,505	5,290	9,826
	All	23,546	23,042	26,757

cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

able C-32. Differences[a] (Percent Differences) between Pairs of Model Scenarios at the Delta Outflow, Year-Round

State Water Board Alternative: In Delta—Delta Outflow				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	-2,114 (-2.3%)	2,140 (2.3%)	4,254 (4.8%)
	AN	-2,256 (-4.6%)	1,337 (2.7%)	3,593 (7.7%)
	BN	112 (0.5%)	4,564 (20.5%)	4,453 (19.9%)
	D	751 (5.1%)	4,262 (28.89%)	3,511 (22.7%)
	C	-138 (-1.1%)	2,706 (22.2%)	2,844 (23.6%)
	All	-837 (-1.9%)	2,985 (6.6%)	3,822 (8.7%)
Feb	W	-1,048 (-1%)	1,066 (1%)	2,113 (2%)
	AN	271 (0.4%)	4,169 (6.5%)	3,899 (6.1%)
	BN	-2,540 (-6.8%)	1,248 (3.3%)	3,787 (10.9%)
	D	-1,347 (-6.4%)	3,153 (15.1%)	4,500 (23%)
	C	30 (0.2%)	3,641 (29%)	3,611 (28.7%)
	All	-1,018 (-1.8%)	2,386 (4.3%)	3,403 (6.3%)
Mar	W	-1,113 (-1.4%)	3,230 (4%)	4,343 (5.4%)
	AN	-1,144 (-2.1%)	3,582 (6.4%)	4,726 (8.7%)
	BN	-1,901 (-8.4%)	5,189 (23%)	7,090 (34.4%)
	D	-2,234 (-11.5%)	2,395 (12.4%)	4,629 (27%)
	C	-352 (-2.9%)	700 (5.9%)	1,052 (9.1%)
	All	-1,387 (-3.2%)	3,062 (7%)	4,449 (10.5%)
Apr	W	-5,630 (-10.3%)	-2,219 (-4%)	3,411 (6.9%)
	AN	-5,805 (-18.6%)	-575 (-1.8%)	5,230 (20.6%)
	BN	-2,792 (-13.2%)	-564 (-2.7%)	2,228 (12.1%)
	D	-1,507 (-11.2%)	-111 (-0.8%)	1,396 (11.7%)
	C	-246 (-2.8%)	33 (0.4%)	279 (3.2%)
	All	-3,478 (-11.7%)	-903 (-3%)	2,575 (9.8%)
May	W	-4,587 (-12%)	-503 (-1.3%)	4,084 (12.1%)
	AN	-3,126 (-13.5%)	-184 (-0.8%)	2,943 (14.7%)
	BN	-1,140 (-7.7%)	390 (2.6%)	1,530 (11.3%)
	D	-325 (-3.3%)	355 (3.6%)	680 (7.2%)
	C	-254 (-4%)	-102 (-1.6%)	153 (2.5%)
	All	-2,215 (-10.5%)	-57 (-0.3%)	2,158 (11.4%)
Jun	W	-311 (-1.7%)	342 (1.9%)	653 (3.7%)
	AN	648 (6.4%)	945 (9.3%)	297 (2.7%)
	BN	757 (9.4%)	74 (0.9%)	-683 (-7.7%)
	D	319 (4.5%)	249 (3.5%)	-70 (-0.9%)
	C	-14 (-0.3%)	84 (1.6%)	97 (1.8%)
	All	193 (1.8%)	326 (3%)	133 (1.2%)
Jul	W	-1,268 (-11.7%)	-1,292 (-11.9%)	-24 (-0.2%)
	AN	-1,440 (-13.5%)	-1,792 (-16.8%)	-352 (-3.8%)
	BN	-715 (-9.4%)	-346 (-4.5%)	369 (5.4%)
	D	-85 (-1.5%)	1,380 (24.9%)	1,466 (26.8%)
	C	-698 (-14.1%)	-530 (-10.7%)	168 (3.9%)
	All	-856 (-10.4%)	-506 (-6.1%)	350 (4.7%)

State Water Board Alternative: In Delta—Delta Outflow				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-208 (-4.7%)	2,872 (65.1%)	3,080 (73.3%)
	AN	2 (0.1%)	3,091 (77.1%)	3,088 (77%)
	BN	-193 (-4.7%)	2,980 (72.3%)	3,173 (80.8%)
	D	-953 (-20.6%)	2,309 (50%)	3,262 (89%)
	C	-507 (-12.2%)	657 (15.9%)	1,165 (32%)
	All	-382 (-8.9%)	2,475 (57.4%)	2,857 (72.8%)
Sep	W	800 (4.2%)	-2,005 (-10.6%)	-2,805 (-14.3%)
	AN	143 (1.2%)	-32 (-0.3%)	-175 (-1.5%)
	BN	-142 (-3.7%)	3,612 (95.2%)	3,754 (102.7%)
	D	-67 (-2.2%)	3,988 (130%)	4,055 (135.2%)
	C	0 (0%)	2,919 (97.3%)	2,919 (97.3%)
	All	236 (2.5%)	1,279 (13.5%)	1,043 (10.7%)
Oct	W	827 (10.2%)	2,369 (29.1%)	1,541 (17.2%)
	AN	861 (13.2%)	1,584 (24.4%)	723 (9.8%)
	BN	1,568 (25.3%)	2,254 (36.3%)	686 (8.8%)
	D	1,531 (25.4%)	2,526 (42%)	996 (13.2%)
	C	1,773 (35.7%)	2,764 (55.6%)	991 (14.7%)
	All	1,251 (18.9%)	2,327 (35.1%)	1,075 (13.6%)
Nov	W	-98 (-0.6%)	1,463 (8.4%)	1,561 (9%)
	AN	-1,171 (-9.4%)	1,290 (10.4%)	2,461 (21.9%)
	BN	-649 (-7.5%)	898 (10.3%)	1,547 (19.2%)
	D	-408 (-4.9%)	1,551 (18.5%)	1,959 (24.6%)
	C	-186 (-3.1%)	2,152 (35.9%)	2,338 (40.3%)
	All	-430 (-3.7%)	1,461 (12.7%)	1,891 (17.1%)
Dec	W	-1,728 (-3.5%)	1,628 (3.3%)	3,356 (7%)
	AN	-36 (-0.2%)	3,195 (16.5%)	3,232 (16.7%)
	BN	-174 (-1.3%)	4,123 (31%)	4,296 (32.8%)
	D	500 (5.9%)	4,059 (47.9%)	3,559 (39.7%)
	C	-216 (-3.9%)	4,320 (78.5%)	4,536 (85.8%)
	All	-505 (-2.1%)	3,211 (13.6%)	3,716 (16.1%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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San Joaquin River at Vernalis

Table C-33. Mean Monthly Flows (cfs) for Model Scenarios in the San Joaquin River at Vernalis, Year-Round

State Water Board Alternative: In Delta—San Joaquin River at Vernalis				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	9,838	9,884	9,871
	AN	5,781	5,809	5,797
	BN	2,291	2,298	2,327
	D	2,247	2,219	2,268
	C	1,603	1,597	1,603
	All	5,040	5,054	5,061
Feb	W	14,001	14,000	14,005
	AN	7,100	7,072	7,123
	BN	2,965	2,933	2,956
	D	2,312	2,312	2,311
	C	1,942	1,942	1,942
	All	6,699	6,688	6,703
Mar	W	15,127	15,129	15,129
	AN	6,252	6,252	6,251
	BN	2,614	2,614	2,613
	D	2,191	2,191	2,190
	C	1,689	1,689	1,687
	All	6,739	6,739	6,738
Apr	W	12,185	12,189	12,184
	AN	5,970	5,970	5,969
	BN	4,161	4,162	4,159
	D	3,380	3,380	3,374
	C	1,844	1,844	1,838
	All	6,286	6,288	6,284
May	W	13,210	13,213	13,179
	AN	5,278	5,279	5,274
	BN	3,871	3,874	3,868
	D	3,040	3,041	3,029
	C	1,819	1,819	1,810
	All	6,347	6,348	6,333
Jun	W	9,255	9,252	9,289
	AN	2,782	2,783	2,776
	BN	1,960	1,964	1,953
	D	1,361	1,362	1,350
	C	975	976	966
	All	3,969	3,969	3,973
Jul	W	5,903	5,904	5,895
	AN	1,806	1,811	1,797
	BN	1,432	1,439	1,419
	D	1,146	1,147	1,123
	C	869	870	852
	All	2,658	2,661	2,645

State Water Board Alternative: In Delta—San Joaquin River at Vernalis				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	3,051	3,052	3,045
	AN	1,764	1,768	1,757
	BN	1,423	1,429	1,414
	D	1,272	1,272	1,263
	C	993	993	984
	All	1,858	1,860	1,850
Sep	W	3,306	3,306	3,303
	AN	2,221	2,223	2,218
	BN	1,800	1,802	1,795
	D	1,691	1,692	1,687
	C	1,392	1,392	1,386
	All	2,226	2,227	2,222
Oct	W	2,714	2,714	2,712
	AN	2,638	2,638	2,636
	BN	2,412	2,412	2,410
	D	2,849	2,849	2,848
	C	2,162	2,163	2,160
	All	2,565	2,565	2,563
Nov	W	2,516	2,516	2,514
	AN	3,232	3,254	3,254
	BN	2,180	2,222	2,146
	D	2,244	2,290	2,290
	C	1,911	1,911	1,911
	All	2,441	2,459	2,447
Dec	W	4,835	4,868	4,894
	AN	4,917	5,001	4,993
	BN	2,099	2,135	2,100
	D	2,072	2,085	2,067
	C	1,689	1,686	1,688
	All	3,366	3,399	3,397

[a] Water year type for this location was determined using the San Joaquin River Valley Index.
cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-34. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the San Joaquin River at Vernalis, Year-Round

State Water Board Alternative: In Delta—San Joaquin River at Vernalis				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	45 (0.5%)	33 (0.3%)	-13 (-0.1%)
	AN	28 (0.5%)	16 (0.3%)	-13 (-0.2%)
	BN	7 (0.3%)	36 (1.6%)	28 (1.2%)
	D	-28 (-1.2%)	22 (0.97%)	49 (2.2%)
	C	-5 (-0.3%)	0 (0%)	5 (0.3%)
	All	15 (0.3%)	22 (0.4%)	7 (0.1%)
Feb	W	-2 (0%)	3 (0%)	5 (0%)
	AN	-28 (-0.4%)	23 (0.3%)	51 (0.7%)
	BN	-32 (-1.1%)	-9 (-0.3%)	23 (0.8%)
	D	0 (0%)	-1 (0%)	-1 (0%)
	C	0 (0%)	0 (-0.03%)	0 (0%)
	All	-11 (-0.2%)	4 (0.1%)	15 (0.2%)
Mar	W	2 (0%)	2 (0%)	0 (0%)
	AN	0 (0%)	-1 (0%)	-1 (0%)
	BN	0 (0%)	-1 (0%)	-1 (0%)
	D	0 (0%)	-2 (-0.1%)	-2 (-0.1%)
	C	0 (0%)	-2 (-0.1%)	-2 (-0.1%)
	All	1 (0%)	0 (0%)	-1 (0%)
Apr	W	4 (0%)	-1 (0%)	-5 (0%)
	AN	0 (0%)	-1 (0%)	-1 (0%)
	BN	0 (0%)	-2 (0%)	-3 (-0.1%)
	D	0 (0%)	-6 (-0.2%)	-6 (-0.2%)
	C	0 (0%)	-6 (-0.3%)	-6 (-0.3%)
	All	1 (0%)	-3 (0%)	-4 (-0.1%)
May	W	3 (0%)	-31 (-0.2%)	-34 (-0.3%)
	AN	1 (0%)	-4 (-0.1%)	-5 (-0.1%)
	BN	3 (0.1%)	-3 (-0.1%)	-6 (-0.2%)
	D	0 (0%)	-11 (-0.4%)	-11 (-0.4%)
	C	0 (0%)	-9 (-0.5%)	-9 (-0.5%)
	All	2 (0%)	-14 (-0.2%)	-16 (-0.2%)
Jun	W	-3 (0%)	34 (0.4%)	37 (0.4%)
	AN	1 (0%)	-6 (-0.2%)	-7 (-0.3%)
	BN	4 (0.2%)	-7 (-0.4%)	-11 (-0.6%)
	D	1 (0.1%)	-11 (-0.8%)	-12 (-0.9%)
	C	1 (0.1%)	-9 (-0.9%)	-10 (-1%)
	All	0 (0%)	4 (0.1%)	4 (0.1%)
Jul	W	1 (0%)	-8 (-0.1%)	-9 (-0.1%)
	AN	5 (0.3%)	-9 (-0.5%)	-13 (-0.7%)
	BN	8 (0.5%)	-13 (-0.9%)	-21 (-1.4%)
	D	1 (0.1%)	-22 (-1.9%)	-23 (-2%)
	C	1 (0.1%)	-17 (-1.9%)	-17 (-2%)
	All	3 (0.1%)	-13 (-0.5%)	-16 (-0.6%)

State Water Board Alternative: In Delta—San Joaquin River at Vernalis				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	1 (0%)	-6 (-0.2%)	-7 (-0.2%)
	AN	4 (0.2%)	-7 (-0.4%)	-11 (-0.6%)
	BN	6 (0.4%)	-10 (-0.7%)	-15 (-1.1%)
	D	1 (0.1%)	-8 (-0.7%)	-9 (-0.7%)
	C	1 (0.1%)	-9 (-0.9%)	-10 (-1%)
	All	2 (0.1%)	-8 (-0.4%)	-10 (-0.5%)
Sep	W	-1 (0%)	-3 (-0.1%)	-3 (-0.1%)
	AN	2 (0.1%)	-3 (-0.1%)	-5 (-0.2%)
	BN	3 (0.2%)	-5 (-0.3%)	-7 (-0.4%)
	D	0 (0%)	-4 (-0.2%)	-4 (-0.3%)
	C	0 (0%)	-5 (-0.4%)	-5 (-0.4%)
	All	1 (0%)	-4 (-0.2%)	-5 (-0.2%)
Oct	W	0 (0%)	-2 (-0.1%)	-2 (-0.1%)
	AN	0 (0%)	-1 (-0.1%)	-2 (-0.1%)
	BN	1 (0%)	-1 (-0.1%)	-2 (-0.1%)
	D	0 (0%)	-1 (0%)	-2 (-0.1%)
	C	0 (0%)	-3 (-0.1%)	-3 (-0.1%)
	All	0 (0%)	-2 (-0.1%)	-2 (-0.1%)
Nov	W	0 (0%)	-2 (-0.1%)	-1 (-0.1%)
	AN	22 (0.7%)	22 (0.7%)	0 (0%)
	BN	42 (1.9%)	-34 (-1.6%)	-77 (-3.4%)
	D	46 (2%)	45 (2%)	0 (0%)
	C	0 (0%)	0 (0%)	-1 (0%)
	All	18 (0.7%)	5 (0.2%)	-13 (-0.5%)
Dec	W	33 (0.7%)	59 (1.2%)	26 (0.5%)
	AN	84 (1.7%)	76 (1.5%)	-8 (-0.2%)
	BN	36 (1.7%)	1 (0.1%)	-35 (-1.6%)
	D	13 (0.6%)	-5 (-0.2%)	-18 (-0.9%)
	C	-3 (-0.2%)	-1 (-0.1%)	2 (0.1%)
	All	33 (1%)	31 (0.9%)	-2 (-0.1%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed.

[b] Water year type for this location was determined using the San Joaquin River Valley Index.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Mokelumne River at the Delta

Table C-35. Mean Monthly Flows (cfs) for Model Scenarios in the Mokelumne River at the Delta, Year-Round

State Water Board Alternative: In Delta—Mokelumne River at the Delta				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	3,389	3,389	3,389
	AN	1,759	1,759	1,759
	BN	622	622	622
	D	484	484	484
	C	282	282	282
	All	1,565	1,565	1,565
Feb	W	3,720	3,720	3,720
	AN	2,894	2,894	2,894
	BN	1,045	1,045	1,045
	D	684	684	684
	C	441	441	441
	All	2,014	2,014	2,014
Mar	W	3,243	3,243	3,243
	AN	1,633	1,633	1,633
	BN	1,144	1,144	1,144
	D	712	712	712
	C	581	581	581
	All	1,675	1,675	1,675
Apr	W	2,748	2,748	2,748
	AN	1,529	1,529	1,529
	BN	1,164	1,164	1,164
	D	577	577	577
	C	322	322	322
	All	1,442	1,442	1,442
May	W	3,094	3,094	3,094
	AN	1,303	1,303	1,303
	BN	886	886	886
	D	360	360	360
	C	179	179	179
	All	1,392	1,392	1,392
Jun	W	1,605	1,605	1,605
	AN	727	727	727
	BN	400	400	400
	D	83	83	83
	C	48	48	48
	All	697	697	697
Jul	W	613	613	613
	AN	228	228	228
	BN	88	88	88
	D	6	6	6
	C	3	3	3
	All	239	239	239

State Water Board Alternative: In Delta—Mokelumne River at the Delta				
Month	**Water Year Type[a]**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	476	476	476
	AN	241	241	241
	BN	79	79	79
	D	4	4	4
	C	2	2	2
	All	200	200	200
Sep	W	549	549	549
	AN	271	271	271
	BN	95	95	95
	D	9	9	9
	C	5	5	5
	All	231	231	231
Oct	W	152	152	152
	AN	178	178	178
	BN	148	148	148
	D	169	169	169
	C	125	125	125
	All	154	154	154
Nov	W	502	502	502
	AN	1,009	1,009	1,009
	BN	347	347	347
	D	371	371	371
	C	202	202	202
	All	497	497	497
Dec	W	1,766	1,766	1,766
	AN	1,806	1,806	1,806
	BN	505	505	505
	D	392	392	392
	C	217	217	217
	All	1,054	1,054	1,054

[a] Water year type for this location was determined using the San Joaquin River Valley Index.
cfs = cubic feet per second
Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-36. Differences[a] (Percent Differences) between Pairs of Model Scenarios in the Mokelumne River at the Delta, Year-Round

State Water Board Alternative: In Delta—Mokelumne River at the Delta				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Feb	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
March	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
April	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
June	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
July	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

State Water Board Alternative: In Delta—Mokelumne River at the Delta				
Month	**Water Year Type[b]**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Sept	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Oct	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Nov	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
Dec	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

[a] Red boxes indicate that flows under the second model scenario listed in the column header are more than 5% lower than flows under the first model scenario listed; green boxes indicate that flows under the second model scenario listed in the column header are more than 5% greater than flows under the first model scenario listed

[b] Water year type for this location was determined using the San Joaquin River Valley Index.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2 Water Temperature Modeling

C.4.2.1 Sacramento River at Keswick

Table C-37. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Sacramento River at Keswick, Year-Round

State Water Board Alternative: Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	46	46	46
	AN	47	47	47
	BN	47	47	47
	D	47	48	48
	C	47	47	47
	All	47	47	47
Feb	W	46	46	46
	AN	46	46	46
	BN	46	46	46
	D	47	47	47
	C	47	47	47
	All	46	46	46
Mar	W	47	47	47
	AN	47	47	47
	BN	47	48	48
	D	48	48	48
	C	49	49	49
	All	47	47	48
Apr	W	48	48	48
	AN	49	49	49
	BN	49	49	49
	D	49	49	49
	C	50	50	50
	All	49	49	49
May	W	49	50	50
	AN	50	50	50
	BN	50	50	50
	D	50	50	50
	C	52	52	52
	All	50	50	50
Jun	W	50	50	50
	AN	50	50	50
	BN	50	50	51
	D	51	51	51
	C	54	53	53
	All	51	51	51

State Water Board Alternative: Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jul	W	51	51	51
	AN	51	51	51
	BN	51	51	52
	D	52	52	52
	C	57	56	56
	All	52	52	52
Aug	W	53	53	53
	AN	53	53	53
	BN	53	53	53
	D	54	54	54
	C	60	60	60
	All	54	54	54
Sep	W	54	54	54
	AN	54	55	54
	BN	55	55	54
	D	57	57	56
	C	64	63	63
	All	56	56	56
Oct	W	55	55	55
	AN	55	55	55
	BN	56	55	55
	D	57	57	56
	C	58	58	58
	All	56	56	56
Nov	W	54	54	53
	AN	53	53	53
	BN	54	54	54
	D	54	54	54
	C	55	55	55
	All	54	54	54
Dec	W	50	50	50
	AN	50	50	50
	BN	51	51	51
	D	51	51	51
	C	51	51	51
	All	50	50	50

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-38. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

State Water Board Alternative: Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0.1%)	0 (0.3%)	0 (0.2%)
	AN	0 (0%)	0 (0.1%)	0 (0.2%)
	BN	0 (0.1%)	0 (0.1%)	0 (0%)
	D	0 (0.1%)	0 (0.19%)	0 (0.08%)
	C	0 (0.1%)	0 (-0.1%)	0 (-0.2%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
Feb	W	0 (0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.2%)	0 (0.3%)	0 (0.1%)
	BN	0 (0.1%)	0 (0.2%)	0 (0.1%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0.1%)	0 (0.07%)	0 (-0.1%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
Mar	W	0 (0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.2%)	0 (0.3%)	0 (0.1%)
	BN	0 (0.3%)	0 (0.2%)	0 (-0.1%)
	D	0 (0.1%)	0 (0.1%)	0 (0%)
	C	0 (0.1%)	0 (0.2%)	0 (0.1%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
Apr	W	0 (0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.2%)	0 (0.4%)	0 (0.2%)
	BN	0 (0.2%)	0 (0.5%)	0 (0.3%)
	D	0 (0%)	0 (0.3%)	0 (0.3%)
	C	0 (0.1%)	0 (0.2%)	0 (0.1%)
	All	0 (0.1%)	0 (0.3%)	0 (0.2%)
May	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (-0.2%)	0 (0.2%)	0 (0.4%)
	BN	0 (0.1%)	0 (0.3%)	0 (0.2%)
	D	0 (-0.2%)	0 (0.1%)	0 (0.3%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
Jun	W	0 (0%)	0 (0%)	0 (0.1%)
	AN	0 (0.1%)	0 (0.3%)	0 (0.2%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (0%)	0 (-0.3%)	0 (-0.3%)
	C	0 (-0.3%)	0 (-0.1%)	0 (0.2%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
Jul	W	0 (0%)	0 (0.3%)	0 (0.4%)
	AN	0 (0.3%)	0 (0.2%)	0 (-0.1%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (0.3%)	0 (-0.3%)	0 (-0.6%)
	C	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	All	0 (0.1%)	0 (0.1%)	0 (0%)

State Water Board Alternative: Sacramento River at Keswick				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0.2%)	0 (-0.2%)	0 (-0.3%)
	AN	0 (0.2%)	0 (-0.2%)	0 (-0.4%)
	BN	0 (0.4%)	0 (-0.4%)	0 (-0.8%)
	D	0 (0.4%)	0 (-0.2%)	0 (-0.7%)
	C	0 (-0.7%)	0 (-0.6%)	0 (0.1%)
	All	0 (0.1%)	0 (-0.3%)	0 (-0.4%)
Sep	W	0 (0.3%)	0 (-0.3%)	0 (-0.6%)
	AN	1 (0.9%)	0 (-0.1%)	-1 (-1.1%)
	BN	1 (1.4%)	0 (-0.6%)	-1 (-1.9%)
	D	0 (-0.1%)	0 (-0.7%)	0 (-0.6%)
	C	0 (-0.6%)	-1 (-1%)	0 (-0.4%)
	All	0 (0.3%)	0 (-0.5%)	0 (-0.8%)
Oct	W	0 (0.2%)	-1 (-1%)	-1 (-1.2%)
	AN	0 (0.1%)	0 (-0.9%)	-1 (-1%)
	BN	0 (-0.1%)	0 (-0.6%)	0 (-0.5%)
	D	0 (0.2%)	0 (-0.7%)	-1 (-0.9%)
	C	0 (-0.7%)	0 (0.1%)	0 (0.8%)
	All	0 (0%)	0 (-0.7%)	0 (-0.7%)
Nov	W	0 (-0.1%)	0 (-0.6%)	0 (-0.5%)
	AN	0 (-0.3%)	0 (-0.8%)	0 (-0.6%)
	BN	0 (-0.4%)	0 (-0.6%)	0 (-0.3%)
	D	0 (0%)	0 (-0.4%)	0 (-0.4%)
	C	0 (-0.3%)	0 (-0.3%)	0 (0%)
	All	0 (-0.2%)	0 (-0.5%)	0 (-0.4%)
Dec	W	0 (0%)	0 (0.2%)	0 (0.2%)
	AN	0 (-0.3%)	0 (-0.2%)	0 (0%)
	BN	0 (-0.2%)	0 (-0.2%)	0 (0%)
	D	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	C	0 (-0.1%)	0 (-0.1%)	0 (0%)
	All	0 (-0.1%)	0 (-0.1%)	0 (0%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.2 Sacramento River at Jelly's Ferry

Table C-39. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

State Water Board Alternative: Sacramento River at Jelly's Ferry				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	46	46	46
	AN	46	46	46
	BN	46	46	46
	D	46	46	46
	C	46	46	46
	All	46	46	46
Feb	W	47	47	47
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47
Mar	W	49	49	49
	AN	50	50	50
	BN	50	50	50
	D	51	51	51
	C	51	51	51
	All	50	50	50
Apr	W	52	52	52
	AN	54	54	54
	BN	54	54	54
	D	53	53	54
	C	53	53	53
	All	53	53	53
May	W	56	56	56
	AN	56	56	56
	BN	56	56	56
	D	55	55	55
	C	56	56	56
	All	56	56	56
Jun	W	56	56	56
	AN	55	55	56
	BN	55	55	55
	D	55	55	55
	C	57	57	57
	All	56	56	56
Jul	W	56	56	56
	AN	55	55	55
	BN	55	55	56
	D	56	56	56
	C	60	60	60
	All	56	56	56

State Water Board Alternative: Sacramento River at Jelly's Ferry				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	57	57	57
	AN	57	57	57
	BN	57	57	57
	D	58	58	58
	C	63	63	63
	All	58	58	58
Sep	W	56	56	57
	AN	57	58	57
	BN	58	59	58
	D	60	60	59
	C	64	64	64
	All	59	59	59
Oct	W	56	56	55
	AN	56	56	55
	BN	56	56	56
	D	57	57	56
	C	58	58	58
	All	56	56	56
Nov	W	52	52	51
	AN	52	52	51
	BN	52	52	52
	D	52	52	52
	C	53	53	53
	All	52	52	52
Dec	W	47	47	48
	AN	47	47	47
	BN	48	48	48
	D	48	47	47
	C	48	48	48
	All	48	47	48

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-40. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

State Water Board Alternative: Sacramento River at Jelly's Ferry				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0.1%)	0 (0.2%)	0 (0.1%)
	AN	0 (0%)	0 (0.2%)	0 (0.1%)
	BN	0 (0.1%)	0 (0.1%)	0 (0%)
	D	0 (0%)	0 (0.04%)	0 (0.01%)
	C	0 (-0.1%)	0 (-0.3%)	0 (-0.2%)
	All	0 (0%)	0 (0.1%)	0 (0%)
FEB	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.1%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.14%)	0 (-0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0%)	0 (0.2%)	0 (0.1%)
	BN	0 (0%)	0 (0.3%)	0 (0.3%)
	D	0 (-0.1%)	0 (0.3%)	0 (0.4%)
	C	0 (0%)	0 (0.2%)	0 (0.2%)
	All	0 (0%)	0 (0.2%)	0 (0.2%)
MAY	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (-0.8%)	0 (0%)	0 (0.8%)
	BN	0 (-0.3%)	0 (0.4%)	0 (0.7%)
	D	0 (-0.5%)	0 (0%)	0 (0.5%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (-0.3%)	0 (0.1%)	0 (0.3%)
JUN	W	0 (-0.2%)	0 (0%)	0 (0.2%)
	AN	0 (-0.3%)	0 (0.4%)	0 (0.7%)
	BN	0 (-0.3%)	0 (0.4%)	0 (0.7%)
	D	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
	C	0 (-0.4%)	0 (-0.3%)	0 (0.1%)
	All	0 (-0.3%)	0 (0%)	0 (0.3%)
JUL	W	0 (-0.1%)	0 (0.7%)	0 (0.8%)
	AN	0 (0.2%)	0 (0.4%)	0 (0.3%)
	BN	0 (-0.2%)	0 (0.6%)	0 (0.8%)
	D	0 (0.3%)	0 (-0.3%)	0 (-0.6%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)

State Water Board Alternative: Sacramento River at Jelly's Ferry				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0%)	0 (-0.1%)	0 (-0.2%)
	AN	0 (0%)	0 (-0.2%)	0 (-0.2%)
	BN	0 (-0.2%)	0 (-0.3%)	0 (-0.2%)
	D	1 (0.9%)	0 (-0.8%)	-1 (-1.7%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (0.1%)	0 (-0.3%)	0 (-0.5%)
SEP	W	0 (0.3%)	0 (0.4%)	0 (0.2%)
	AN	1 (1.4%)	0 (0.6%)	0 (-0.8%)
	BN	1 (1.2%)	0 (-0.7%)	-1 (-1.9%)
	D	0 (0.3%)	-1 (-1.5%)	-1 (-1.8%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (0.5%)	0 (-0.3%)	0 (-0.8%)
OCT	W	0 (0.1%)	0 (-0.7%)	0 (-0.8%)
	AN	0 (0.1%)	0 (-0.6%)	0 (-0.7%)
	BN	0 (0%)	0 (-0.5%)	0 (-0.5%)
	D	0 (0.1%)	0 (-0.5%)	0 (-0.7%)
	C	0 (-0.5%)	0 (-0.1%)	0 (0.5%)
	All	0 (0%)	0 (-0.5%)	0 (-0.5%)
NOV	W	0 (-0.4%)	0 (-0.7%)	0 (-0.3%)
	AN	0 (-0.5%)	0 (-0.9%)	0 (-0.3%)
	BN	0 (-0.7%)	0 (-0.9%)	0 (-0.2%)
	D	0 (-0.3%)	0 (-0.5%)	0 (-0.3%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (-0.4%)	0 (-0.7%)	0 (-0.3%)
DEC	W	0 (0%)	0 (0.4%)	0 (0.4%)
	AN	0 (-0.4%)	0 (-0.3%)	0 (0.1%)
	BN	0 (-0.2%)	0 (-0.2%)	0 (0%)
	D	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	C	0 (0.1%)	0 (0%)	0 (-0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.3 Sacramento River at Bend Bridge

Table C-41. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

State Water Board Alternative: Sacramento River at Bend Bridge				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	46	46	46
	AN	46	46	46
	BN	45	45	45
	D	46	46	46
	C	46	46	45
	All	46	46	46
Feb	W	47	47	47
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47
Mar	W	49	49	49
	AN	50	50	50
	BN	50	50	50
	D	51	51	51
	C	51	51	51
	All	50	50	50
Apr	W	52	52	52
	AN	54	54	54
	BN	54	54	54
	D	54	54	54
	C	53	53	53
	All	53	53	53
May	W	56	56	56
	AN	57	56	57
	BN	56	56	57
	D	56	56	56
	C	57	57	57
	All	56	56	56
Jun	W	57	56	57
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	58	57	57
	All	56	56	56
Jul	W	57	57	57
	AN	56	56	56
	BN	56	56	57
	D	57	57	56
	C	60	60	60
	All	57	57	57

State Water Board Alternative: Sacramento River at Bend Bridge				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	58	58	58
	AN	58	58	58
	BN	58	58	58
	D	59	59	58
	C	63	63	63
	All	59	59	59
Sep	W	57	57	57
	AN	58	58	58
	BN	59	60	58
	D	61	61	60
	C	65	64	64
	All	59	60	59
Oct	W	56	56	55
	AN	56	56	56
	BN	56	56	56
	D	57	57	56
	C	58	58	58
	All	56	56	56
Nov	W	52	51	51
	AN	52	51	51
	BN	52	52	52
	D	52	52	52
	C	53	53	53
	All	52	52	52
Dec	W	47	47	47
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-42. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

State Water Board Alternative: Sacramento River at Bend Bridge				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0.1%)	0 (0.2%)	0 (0.1%)
	AN	0 (0%)	0 (0.2%)	0 (0.1%)
	BN	0 (0.1%)	0 (0.1%)	0 (0%)
	D	0 (0%)	0 (0.03%)	0 (0.01%)
	C	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	All	0 (0%)	0 (0.1%)	0 (0%)
Feb	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.1%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.15%)	0 (-0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
Mar	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
Apr	W	0 (0%)	0 (0.1%)	0 (0%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0.3%)	0 (0.3%)
	D	0 (-0.1%)	0 (0.3%)	0 (0.4%)
	C	0 (0%)	0 (0.2%)	0 (0.2%)
	All	0 (0%)	0 (0.2%)	0 (0.2%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.8%)	0 (0%)	0 (0.8%)
	BN	0 (-0.3%)	0 (0.4%)	0 (0.7%)
	D	0 (-0.5%)	0 (0%)	0 (0.5%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (-0.3%)	0 (0.1%)	0 (0.3%)
Jun	W	0 (-0.2%)	0 (0%)	0 (0.2%)
	AN	0 (-0.3%)	0 (0.4%)	0 (0.8%)
	BN	0 (-0.4%)	0 (0.4%)	0 (0.7%)
	D	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
	C	0 (-0.3%)	0 (-0.3%)	0 (0.1%)
	All	0 (-0.3%)	0 (0%)	0 (0.4%)
Jul	W	0 (-0.2%)	0 (0.7%)	0 (0.9%)
	AN	0 (0.2%)	0 (0.5%)	0 (0.3%)
	BN	0 (-0.3%)	0 (0.6%)	0 (0.9%)
	D	0 (0.3%)	0 (-0.4%)	0 (-0.6%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)

State Water Board Alternative: Sacramento River at Bend Bridge				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (-0.1%)	0 (-0.1%)
	AN	0 (0%)	0 (-0.2%)	0 (-0.1%)
	BN	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	D	1 (1%)	0 (-0.8%)	-1 (-1.8%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (0.1%)	0 (-0.3%)	0 (-0.5%)
Sep	W	0 (0.2%)	0 (0.5%)	0 (0.2%)
	AN	1 (1.4%)	0 (0.7%)	0 (-0.7%)
	BN	1 (1.2%)	0 (-0.7%)	-1 (-1.8%)
	D	0 (0.4%)	-1 (-1.6%)	-1 (-1.9%)
	C	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	All	0 (0.5%)	0 (-0.3%)	0 (-0.8%)
Oct	W	0 (0.1%)	0 (-0.7%)	0 (-0.8%)
	AN	0 (0.1%)	0 (-0.5%)	0 (-0.7%)
	BN	0 (0%)	0 (-0.5%)	0 (-0.5%)
	D	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
	C	0 (-0.5%)	0 (-0.1%)	0 (0.4%)
	All	0 (0%)	0 (-0.5%)	0 (-0.5%)
Nov	W	0 (-0.4%)	0 (-0.7%)	0 (-0.2%)
	AN	0 (-0.6%)	0 (-0.9%)	0 (-0.3%)
	BN	0 (-0.7%)	0 (-0.9%)	0 (-0.2%)
	D	0 (-0.3%)	0 (-0.6%)	0 (-0.3%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.2%)
	All	0 (-0.4%)	0 (-0.7%)	0 (-0.2%)
Dec	W	0 (0%)	0 (0.4%)	0 (0.4%)
	AN	0 (-0.4%)	0 (-0.3%)	0 (0.1%)
	BN	0 (-0.2%)	0 (-0.2%)	0 (0%)
	D	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	C	0 (0.1%)	0 (0%)	0 (-0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

C.4.2.4 Sacramento River at Red Bluff Diversion Dam

Table C-43. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

State Water Board Alternative: Sacramento River at Red Bluff Diversion Dam				
Month	Water Year Type	NAA_ELT	H3_ELT	H3_ELT_SWRCB
JAN	W	46	46	46
	AN	46	46	46
	BN	45	45	45
	D	45	46	45
	C	45	46	45
	All	45	46	45
FEB	W	47	47	47
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47
MAR	W	49	49	49
	AN	50	50	50
	BN	50	50	50
	D	51	51	51
	C	51	51	52
	All	50	50	50
APR	W	53	52	53
	AN	54	54	54
	BN	54	54	55
	D	54	54	55
	C	54	53	54
	All	54	53	54
MAY	W	57	56	57
	AN	58	56	58
	BN	58	56	58
	D	57	56	57
	C	58	57	58
	All	57	56	57
JUN	W	58	56	58
	AN	58	56	58
	BN	58	56	58
	D	58	56	58
	C	59	57	59
	All	58	56	58
JUL	W	58	57	59
	AN	58	56	58
	BN	58	56	58
	D	58	57	58
	C	62	60	62
	All	59	57	59

State Water Board Alternative: Sacramento River at Red Bluff Diversion Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	60	58	60
	AN	60	58	59
	BN	59	58	59
	D	60	59	60
	C	65	63	65
	All	61	59	60
SEP	W	58	57	58
	AN	59	58	59
	BN	60	60	60
	D	62	61	61
	C	65	64	65
	All	60	60	60
OCT	W	56	56	56
	AN	56	56	56
	BN	56	56	56
	D	57	57	57
	C	58	58	58
	All	57	56	56
NOV	W	52	51	51
	AN	52	51	51
	BN	52	52	51
	D	52	52	52
	C	53	53	53
	All	52	52	52
DEC	W	47	47	47
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	47	48	47
	All	47	47	47

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-44. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

State Water Board Alternative: Sacramento River at Red Bluff Diversion Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0.2%)	0 (0.2%)	0 (0%)
	AN	0 (0.3%)	0 (0.2%)	0 (-0.1%)
	BN	0 (0.5%)	0 (0.1%)	0 (-0.4%)
	D	0 (0.5%)	0 (0.01%)	0 (-0.49%)
	C	0 (0.3%)	0 (-0.3%)	0 (-0.6%)
	All	0 (0.3%)	0 (0.1%)	0 (-0.3%)
Feb	W	0 (-0.2%)	0 (0.1%)	0 (0.3%)
	AN	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	BN	0 (-0.1%)	0 (0.1%)	0 (0.1%)
	D	0 (-0.2%)	0 (0%)	0 (0.2%)
	C	0 (-0.3%)	0 (-0.17%)	0 (0.1%)
	All	0 (-0.2%)	0 (0%)	0 (0.2%)
Mar	W	0 (-0.5%)	0 (0.1%)	0 (0.5%)
	AN	0 (-0.5%)	0 (0%)	0 (0.5%)
	BN	0 (-0.6%)	0 (-0.1%)	0 (0.4%)
	D	0 (-0.7%)	0 (0%)	0 (0.7%)
	C	0 (-0.9%)	0 (0.1%)	1 (1.1%)
	All	0 (-0.6%)	0 (0%)	0 (0.6%)
Apr	W	0 (-0.8%)	0 (0.1%)	0 (0.9%)
	AN	-1 (-1%)	0 (0.1%)	1 (1.1%)
	BN	-1 (-1.2%)	0 (0.3%)	1 (1.5%)
	D	-1 (-1.5%)	0 (0.3%)	1 (1.8%)
	C	-1 (-1.3%)	0 (0.2%)	1 (1.5%)
	All	-1 (-1.1%)	0 (0.2%)	1 (1.3%)
May	W	-1 (-1.7%)	0 (0%)	1 (1.7%)
	AN	-2 (-2.7%)	0 (0%)	2 (2.8%)
	BN	-1 (-2.3%)	0 (0.3%)	2 (2.7%)
	D	-1 (-2.5%)	0 (0%)	1 (2.6%)
	C	-1 (-1.9%)	0 (-0.1%)	1 (1.9%)
	All	-1 (-2.1%)	0 (0.1%)	1 (2.3%)
Jun	W	-2 (-2.9%)	0 (0%)	2 (3%)
	AN	-2 (-3.3%)	0 (0.4%)	2 (3.9%)
	BN	-2 (-3.3%)	0 (0.4%)	2 (3.8%)
	D	-2 (-3.4%)	0 (-0.2%)	2 (3.3%)
	C	-2 (-2.9%)	0 (-0.3%)	1 (2.6%)
	All	-2 (-3.1%)	0 (0%)	2 (3.3%)
Jul	W	-2 (-3.2%)	0 (0.8%)	2 (4.1%)
	AN	-2 (-2.9%)	0 (0.5%)	2 (3.5%)
	BN	-2 (-3.4%)	0 (0.7%)	2 (4.2%)
	D	-2 (-2.7%)	0 (-0.4%)	1 (2.4%)
	C	-2 (-2.6%)	0 (-0.1%)	2 (2.6%)
	All	-2 (-3%)	0 (0.3%)	2 (3.4%)

State Water Board Alternative: Sacramento River at Red Bluff Diversion Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	-2 (-2.9%)	0 (-0.1%)	2 (2.9%)
	AN	-2 (-2.9%)	0 (-0.2%)	2 (2.8%)
	BN	-2 (-3.2%)	0 (-0.3%)	2 (3%)
	D	-1 (-1.7%)	-1 (-0.9%)	1 (0.9%)
	C	-1 (-2.3%)	0 (-0.3%)	1 (2.1%)
	All	-2 (-2.6%)	0 (-0.3%)	1 (2.3%)
Sep	W	-1 (-1.7%)	0 (0.7%)	1 (2.4%)
	AN	0 (-0.7%)	0 (0.8%)	1 (1.5%)
	BN	-1 (-1.2%)	0 (-0.7%)	0 (0.5%)
	D	-1 (-1.7%)	-1 (-1.7%)	0 (0%)
	C	-1 (-1.3%)	0 (-0.1%)	1 (1.2%)
	All	-1 (-1.4%)	0 (-0.2%)	1 (1.2%)
Oct	W	0 (-0.4%)	0 (-0.6%)	0 (-0.3%)
	AN	0 (-0.4%)	0 (-0.5%)	0 (-0.1%)
	BN	0 (-0.6%)	0 (-0.5%)	0 (0.1%)
	D	0 (-0.3%)	0 (-0.5%)	0 (-0.2%)
	C	-1 (-0.9%)	0 (-0.1%)	0 (0.8%)
	All	0 (-0.5%)	0 (-0.5%)	0 (0%)
Nov	W	0 (-0.2%)	0 (-0.7%)	0 (-0.5%)
	AN	0 (-0.3%)	0 (-0.8%)	0 (-0.6%)
	BN	0 (-0.4%)	0 (-0.9%)	0 (-0.5%)
	D	0 (0%)	0 (-0.6%)	0 (-0.6%)
	C	0 (0%)	0 (-0.4%)	0 (-0.5%)
	All	0 (-0.1%)	0 (-0.7%)	0 (-0.5%)
Dec	W	0 (0.4%)	0 (0.4%)	0 (-0.1%)
	AN	0 (0.3%)	0 (-0.3%)	0 (-0.6%)
	BN	0 (0.7%)	0 (-0.2%)	0 (-0.9%)
	D	0 (0.6%)	0 (-0.2%)	0 (-0.8%)
	C	1 (1.1%)	0 (0%)	-1 (-1.1%)
	All	0 (0.6%)	0 (0%)	0 (-0.6%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

C.4.2.5 Sacramento River at Hamilton City

Table C-45. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Sacramento River at Hamilton City, Year-Round

State Water Board Alternative: Sacramento River at Hamilton City				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	46	46	46
	AN	46	46	46
	BN	45	45	45
	D	45	45	45
	C	45	45	45
	All	45	45	45
Feb	W	47	47	47
	AN	48	48	48
	BN	47	47	47
	D	48	48	48
	C	49	49	49
	All	48	48	48
Mar	W	50	50	50
	AN	51	51	51
	BN	52	52	52
	D	52	53	52
	C	53	53	53
	All	52	51	51
Apr	W	54	54	54
	AN	56	56	56
	BN	57	57	57
	D	57	57	57
	C	57	57	57
	All	56	56	56
May	W	60	60	60
	AN	61	61	61
	BN	61	61	61
	D	61	60	60
	C	61	61	61
	All	61	60	61
Jun	W	62	62	62
	AN	62	61	62
	BN	61	61	62
	D	62	61	62
	C	62	62	62
	All	62	62	62
Jul	W	62	62	63
	AN	62	62	62
	BN	62	62	63
	D	62	62	62
	C	65	65	65
	All	63	63	63

State Water Board Alternative: Sacramento River at Hamilton City				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	64	64	64
	AN	63	63	63
	BN	63	63	63
	D	64	65	63
	C	68	68	68
	All	64	64	64
Sep	W	60	60	61
	AN	61	62	59
	BN	63	64	63
	D	65	65	64
	C	67	67	67
	All	63	63	62
Oct	W	57	57	57
	AN	57	57	57
	BN	57	58	57
	D	58	58	58
	C	59	59	59
	All	57	57	57
Nov	W	51	51	51
	AN	51	51	51
	BN	52	51	51
	D	52	52	52
	C	53	53	53
	All	52	52	51
Dec	W	47	47	47
	AN	46	46	46
	BN	46	46	46
	D	46	46	46
	C	46	46	46
	All	46	46	46

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-46. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

State Water Board Alternative: Sacramento River at Hamilton City				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (-0.01%)	0 (-0.01%)
	C	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
Feb	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.21%)	0 (-0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
Mar	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	BN	0 (0%)	0 (-0.2%)	0 (-0.2%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
Apr	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (-0.1%)	0 (0.3%)	0 (0.4%)
	C	0 (0%)	0 (0.2%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.2%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	-1 (-0.9%)	0 (-0.1%)	1 (0.8%)
	BN	0 (-0.4%)	0 (0.3%)	0 (0.7%)
	D	0 (-0.5%)	0 (-0.1%)	0 (0.4%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (-0.3%)	0 (0%)	0 (0.3%)
Jun	W	0 (-0.2%)	0 (0%)	0 (0.2%)
	AN	0 (-0.5%)	0 (0.5%)	1 (1%)
	BN	0 (-0.6%)	0 (0.3%)	1 (0.9%)
	D	0 (-0.6%)	0 (-0.2%)	0 (0.4%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (-0.4%)	0 (0%)	0 (0.5%)
Jul	W	0 (-0.2%)	1 (0.9%)	1 (1.1%)
	AN	0 (0.1%)	0 (0.6%)	0 (0.5%)
	BN	0 (-0.4%)	1 (0.9%)	1 (1.3%)
	D	0 (0.2%)	0 (-0.4%)	0 (-0.6%)
	C	0 (-0.2%)	0 (0%)	0 (0.2%)
	All	0 (-0.1%)	0 (0.4%)	0 (0.5%)

State Water Board Alternative: Sacramento River at Hamilton City				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (0%)	0 (-0.1%)	0 (0%)
	AN	0 (-0.2%)	0 (-0.2%)	0 (0%)
	BN	0 (-0.6%)	0 (-0.2%)	0 (0.4%)
	D	1 (1.3%)	-1 (-1.1%)	-2 (-2.4%)
	C	0 (0%)	0 (-0.1%)	0 (-0.2%)
	All	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
Sep	W	0 (0.3%)	1 (1%)	0 (0.8%)
	AN	1 (1.6%)	-2 (-3%)	-3 (-4.5%)
	BN	1 (1%)	0 (-0.6%)	-1 (-1.6%)
	D	0 (0.5%)	-1 (-1.8%)	-2 (-2.4%)
	C	0 (0%)	0 (0.2%)	0 (0.1%)
	All	0 (0.6%)	0 (-0.6%)	-1 (-1.2%)
Oct	W	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
	AN	0 (0.1%)	0 (-0.4%)	0 (-0.6%)
	BN	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
	D	0 (0.1%)	0 (-0.3%)	0 (-0.4%)
	C	0 (-0.3%)	0 (0%)	0 (0.3%)
	All	0 (0%)	0 (-0.3%)	0 (-0.4%)
Nov	W	0 (-0.4%)	0 (-0.5%)	0 (-0.2%)
	AN	0 (-0.4%)	0 (-0.6%)	0 (-0.2%)
	BN	0 (-0.6%)	0 (-0.7%)	0 (-0.2%)
	D	0 (-0.3%)	0 (-0.5%)	0 (-0.2%)
	C	0 (-0.2%)	0 (-0.4%)	0 (-0.1%)
	All	0 (-0.4%)	0 (-0.5%)	0 (-0.2%)
Dec	W	0 (0%)	0 (0.3%)	0 (0.3%)
	AN	0 (-0.3%)	0 (-0.2%)	0 (0.1%)
	BN	0 (-0.2%)	0 (-0.1%)	0 (0%)
	D	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	C	0 (0.1%)	0 (0%)	0 (-0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.6 Trinity River below Lewiston Reservoir

Table C-47. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

State Water Board Alternative: Trinity River below Lewiston Reservoir				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	42	42	42
	AN	39	40	39
	BN	40	39	39
	D	40	40	40
	C	40	40	40
	All	40	40	40
Feb	W	44	44	44
	AN	44	44	44
	BN	43	43	43
	D	44	44	43
	C	44	44	44
	All	44	44	44
Mar	W	47	47	46
	AN	48	48	48
	BN	47	47	47
	D	48	49	49
	C	49	49	49
	All	48	48	48
Apr	W	50	50	50
	AN	51	51	51
	BN	52	52	51
	D	52	52	52
	C	51	51	51
	All	51	51	51
May	W	47	47	47
	AN	47	47	47
	BN	48	48	48
	D	48	48	48
	C	51	51	51
	All	48	48	48
Jun	W	49	49	49
	AN	51	51	51
	BN	52	52	52
	D	53	52	54
	C	57	58	58
	All	52	52	52
Jul	W	53	53	53
	AN	52	52	52
	BN	53	53	53
	D	52	52	52
	C	56	56	56
	All	53	53	53

State Water Board Alternative: Trinity River below Lewiston Reservoir				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	53	52	53
	AN	52	51	52
	BN	54	53	54
	D	52	52	51
	C	60	59	58
	All	54	53	53
Sep	W	50	50	50
	AN	50	50	50
	BN	54	53	53
	D	53	53	52
	C	60	60	59
	All	53	52	52
Oct	W	50	49	49
	AN	51	50	51
	BN	52	52	52
	D	50	50	50
	C	54	53	53
	All	51	51	51
Nov	W	45	45	45
	AN	46	45	46
	BN	46	46	46
	D	45	45	45
	C	47	47	47
	All	46	46	46
Dec	W	42	42	42
	AN	41	40	40
	BN	41	40	40
	D	41	41	40
	C	40	40	40
	All	41	41	41

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-48. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

State Water Board Alternative: Trinity River below Lewiston Reservoir				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0%)	0 (0.2%)	0 (0.2%)
	AN	0 (0.6%)	0 (0.3%)	0 (-0.3%)
	BN	0 (-0.5%)	0 (-0.2%)	0 (0.3%)
	D	0 (-0.5%)	0 (-0.82%)	0 (-0.29%)
	C	0 (-0.3%)	0 (-0.2%)	0 (0.2%)
	All	0 (-0.2%)	0 (-0.2%)	0 (0%)
Feb	W	0 (0%)	0 (0%)	0 (-0.1%)
	AN	0 (0.1%)	0 (-0.2%)	0 (-0.3%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (-0.1%)	0 (0%)
	C	0 (0.1%)	0 (-0.06%)	0 (-0.1%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
Mar	W	0 (0%)	0 (-0.5%)	0 (-0.5%)
	AN	0 (0.4%)	0 (-0.4%)	0 (-0.7%)
	BN	0 (0%)	0 (-0.3%)	0 (-0.3%)
	D	0 (0.2%)	0 (0.2%)	0 (0%)
	C	0 (0%)	0 (0.2%)	0 (0.1%)
	All	0 (0.1%)	0 (-0.2%)	0 (-0.3%)
Apr	W	0 (0%)	0 (-0.3%)	0 (-0.4%)
	AN	0 (0.5%)	0 (0.1%)	0 (-0.4%)
	BN	0 (0.1%)	-1 (-1.3%)	-1 (-1.4%)
	D	0 (-0.2%)	0 (0%)	0 (0.2%)
	C	0 (0.3%)	0 (0.5%)	0 (0.2%)
	All	0 (0.1%)	0 (-0.3%)	0 (-0.3%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0.1%)	0 (0%)	0 (-0.1%)
	D	0 (0.1%)	0 (0.1%)	0 (0%)
	C	0 (0%)	0 (-0.3%)	0 (-0.3%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
Jun	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.5%)	0 (-0.1%)	0 (0.4%)
	BN	0 (0.3%)	0 (0.2%)	0 (-0.1%)
	D	0 (-0.7%)	1 (1.8%)	1 (2.5%)
	C	0 (0.4%)	0 (0.4%)	0 (0%)
	All	0 (-0.1%)	0 (0.5%)	0 (0.6%)
Jul	W	0 (0.2%)	0 (-0.1%)	0 (-0.3%)
	AN	0 (-0.7%)	0 (0.1%)	0 (0.9%)
	BN	0 (-0.1%)	0 (0.8%)	0 (0.9%)
	D	0 (-0.6%)	0 (0%)	0 (0.6%)
	C	0 (0%)	1 (1%)	1 (1%)
	All	0 (-0.2%)	0 (0.3%)	0 (0.4%)

State Water Board Alternative: Trinity River below Lewiston Reservoir				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (-0.8%)	0 (-0.2%)	0 (0.7%)
	AN	0 (-0.5%)	0 (-0.1%)	0 (0.5%)
	BN	0 (-0.9%)	0 (0.3%)	1 (1.2%)
	D	0 (-0.1%)	-1 (-1%)	-1 (-1%)
	C	-1 (-1.3%)	-1 (-1.9%)	0 (-0.6%)
	All	0 (-0.7%)	0 (-0.5%)	0 (0.2%)
Sep	W	0 (-0.4%)	0 (0.9%)	1 (1.3%)
	AN	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	BN	-1 (-1.2%)	-1 (-1.5%)	0 (-0.4%)
	D	0 (-0.1%)	-1 (-1.8%)	-1 (-1.7%)
	C	0 (-0.2%)	-1 (-1.1%)	-1 (-1%)
	All	0 (-0.4%)	0 (-0.6%)	0 (-0.2%)
Oct	W	0 (-0.4%)	0 (-0.4%)	0 (0%)
	AN	-1 (-1%)	1 (1.1%)	1 (2.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.2%)	0 (-0.2%)	0 (0%)
	C	0 (-0.6%)	-1 (-1%)	0 (-0.4%)
	All	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
Nov	W	0 (-0.1%)	0 (-0.4%)	0 (-0.3%)
	AN	0 (-0.3%)	0 (-0.2%)	0 (0.2%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (-0.2%)	0 (-0.4%)	0 (-0.1%)
	C	0 (0.8%)	0 (0.3%)	0 (-0.5%)
	All	0 (0%)	0 (-0.2%)	0 (-0.2%)
Dec	W	0 (-0.6%)	0 (-0.5%)	0 (0.1%)
	AN	0 (-1.2%)	-1 (-1.6%)	0 (-0.5%)
	BN	0 (-0.5%)	0 (-1.1%)	0 (-0.7%)
	D	0 (-0.3%)	0 (-0.5%)	0 (-0.3%)
	C	0 (0.1%)	0 (-0.1%)	0 (-0.1%)
	All	0 (-0.5%)	0 (-0.7%)	0 (-0.2%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.7 Trinity River at Douglas City

Table C-49. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Trinity River at Douglas City, Year-Round

State Water Board Alternative: Trinity River at Douglas City				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Jan	W	41	41	41
	AN	39	39	39
	BN	39	39	39
	D	39	39	39
	C	40	40	40
	All	40	40	40
Feb	W	44	44	44
	AN	44	44	44
	BN	43	43	43
	D	44	44	44
	C	44	44	44
	All	44	44	44
Mar	W	46	46	46
	AN	47	47	47
	BN	47	47	47
	D	48	48	48
	C	49	49	49
	All	47	47	47
Apr	W	51	51	51
	AN	52	53	52
	BN	53	53	53
	D	53	53	53
	C	53	53	53
	All	52	52	52
May	W	49	49	49
	AN	49	49	49
	BN	50	50	50
	D	50	50	50
	C	54	54	53
	All	50	50	50
Jun	W	52	52	52
	AN	55	55	55
	BN	56	56	56
	D	58	58	58
	C	61	61	61
	All	56	56	56
Jul	W	59	59	59
	AN	59	58	59
	BN	60	60	60
	D	60	60	60
	C	64	64	64
	All	60	60	60

State Water Board Alternative: Trinity River at Douglas City				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
Aug	W	61	61	61
	AN	60	60	60
	BN	61	61	61
	D	60	60	60
	C	64	64	64
	All	61	61	61
Sep	W	56	56	56
	AN	56	56	56
	BN	58	58	58
	D	57	57	56
	C	63	61	61
	All	58	57	57
Oct	W	52	52	52
	AN	52	52	52
	BN	53	53	53
	D	52	52	52
	C	54	54	54
	All	52	52	52
Nov	W	45	45	45
	AN	46	45	45
	BN	46	46	46
	D	45	45	45
	C	46	47	47
	All	45	45	45
Dec	W	42	42	42
	AN	41	41	41
	BN	40	40	40
	D	40	40	40
	C	39	39	39
	All	41	41	41

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-50. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

State Water Board Alternative: Trinity River at Douglas City				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Jan	W	0 (0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.3%)	0 (0.4%)	0 (0.1%)
	BN	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	D	0 (-0.3%)	0 (-0.47%)	0 (-0.2%)
	C	0 (-0.1%)	0 (-0.1%)	0 (0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0%)
Feb	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.2%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.06%)	0 (-0.1%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
Mar	W	0 (0%)	0 (-0.2%)	0 (-0.2%)
	AN	0 (0.1%)	0 (-0.1%)	0 (-0.2%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (0.1%)	0 (0.1%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
Apr	W	0 (0%)	0 (-0.2%)	0 (-0.2%)
	AN	0 (0.4%)	0 (0.3%)	0 (-0.2%)
	BN	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
	D	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	0 (0.1%)	0 (0.3%)	0 (0.1%)
	All	0 (0.1%)	0 (-0.1%)	0 (-0.1%)
May	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0.1%)	0 (0%)	0 (-0.1%)
	D	0 (0.1%)	0 (0.1%)	0 (0%)
	C	0 (0%)	0 (-0.3%)	0 (-0.3%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
Jun	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.4%)	0 (-0.1%)	0 (0.3%)
	BN	0 (0.2%)	0 (0.1%)	0 (-0.1%)
	D	0 (-0.4%)	1 (1.1%)	1 (1.5%)
	C	0 (0.3%)	0 (0.3%)	0 (0%)
	All	0 (-0.1%)	0 (0.3%)	0 (0.4%)
Jul	W	0 (0.1%)	0 (0%)	0 (-0.2%)
	AN	0 (-0.4%)	0 (0.1%)	0 (0.5%)
	BN	0 (0%)	0 (0.5%)	0 (0.5%)
	D	0 (-0.3%)	0 (0%)	0 (0.3%)
	C	0 (0%)	0 (0.4%)	0 (0.4%)
	All	0 (-0.1%)	0 (0.1%)	0 (0.2%)

State Water Board Alternative: Trinity River at Douglas City				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
Aug	W	0 (-0.4%)	0 (-0.1%)	0 (0.3%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (-0.4%)	0 (0.2%)	0 (0.6%)
	D	0 (0%)	0 (-0.5%)	0 (-0.4%)
	C	0 (-0.6%)	-1 (-1%)	0 (-0.4%)
	All	0 (-0.3%)	0 (-0.3%)	0 (0.1%)
Sep	W	0 (-0.2%)	0 (0.5%)	0 (0.7%)
	AN	0 (-0.1%)	0 (0%)	0 (0%)
	BN	0 (-0.6%)	0 (-0.8%)	0 (-0.2%)
	D	0 (-0.1%)	-1 (-1%)	-1 (-0.9%)
	C	-1 (-2.1%)	-2 (-2.7%)	0 (-0.6%)
	All	0 (-0.6%)	0 (-0.7%)	0 (-0.1%)
Oct	W	0 (-0.2%)	0 (-0.2%)	0 (0%)
	AN	0 (-0.5%)	0 (0.7%)	1 (1.2%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (-0.1%)	0 (-0.3%)	0 (-0.2%)
	All	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
Nov	W	0 (-0.1%)	0 (-0.2%)	0 (-0.2%)
	AN	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0%)	0 (-0.1%)
	D	0 (-0.1%)	0 (-0.2%)	0 (0%)
	C	0 (0.5%)	0 (0.2%)	0 (-0.3%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
Dec	W	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	AN	0 (-0.6%)	0 (-0.8%)	0 (-0.2%)
	BN	0 (-0.3%)	0 (-0.6%)	0 (-0.3%)
	D	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.8 Trinity River below North Fork

Table C-51. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Trinity River below North Fork, Year-Round

State Water Board Alternative: Trinity River below North Fork				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	40	40	40
	AN	39	39	39
	BN	38	38	38
	D	38	38	38
	C	39	39	39
	All	39	39	39
FEB	W	44	44	44
	AN	44	44	44
	BN	43	43	43
	D	43	43	43
	C	44	44	44
	All	44	44	44
MAR	W	46	46	46
	AN	47	47	47
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47
APR	W	53	53	53
	AN	54	54	54
	BN	54	54	54
	D	54	54	54
	C	55	55	55
	All	54	54	54
MAY	W	51	51	51
	AN	51	51	51
	BN	52	52	52
	D	53	53	53
	C	56	56	56
	All	52	52	52
JUN	W	56	56	56
	AN	59	58	59
	BN	60	60	60
	D	62	62	63
	C	65	65	65
	All	60	60	60
JUL	W	64	64	64
	AN	64	64	64
	BN	65	65	66
	D	66	66	66
	C	69	69	69
	All	66	66	66

State Water Board Alternative: Trinity River below North Fork				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	66	66	66
	AN	65	65	65
	BN	66	66	66
	D	65	65	65
	C	68	67	67
	All	66	66	66
SEP	W	60	60	60
	AN	60	60	60
	BN	61	61	61
	D	60	60	60
	C	63	63	62
	All	61	61	61
OCT	W	54	54	54
	AN	54	54	54
	BN	55	55	55
	D	54	53	53
	C	55	55	55
	All	54	54	54
NOV	W	44	44	44
	AN	45	45	45
	BN	45	45	45
	D	44	44	44
	C	46	46	46
	All	45	45	45
DEC	W	41	41	41
	AN	41	41	41
	BN	40	40	40
	D	40	40	40
	C	39	39	39
	All	40	40	40

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-52. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

State Water Board Alternative: Trinity River below North Fork				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0.1%)	0 (0.1%)	0 (0%)
	AN	0 (0.1%)	0 (0.3%)	0 (0.2%)
	BN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	0 (-0.1%)	0 (-0.17%)	0 (-0.07%)
	C	0 (-0.1%)	0 (-0.1%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (-0.1%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (-0.1%)	0 (-0.1%)
	AN	0 (0.3%)	0 (0.2%)	0 (-0.1%)
	BN	0 (0%)	0 (-0.2%)	0 (-0.2%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0.1%)	0 (0%)	0 (-0.1%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
JUN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (0.1%)	0 (0%)	0 (0%)
	D	0 (-0.2%)	0 (0.6%)	0 (0.8%)
	C	0 (0.1%)	0 (0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0.2%)	0 (0.2%)
JUL	W	0 (0.1%)	0 (0%)	0 (-0.1%)
	AN	0 (-0.2%)	0 (0.1%)	0 (0.3%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)

State Water Board Alternative: Trinity River below North Fork				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (-0.2%)	0 (0%)	0 (0.1%)
	AN	0 (-0.1%)	0 (0%)	0 (0.1%)
	BN	0 (-0.2%)	0 (0.1%)	0 (0.3%)
	D	0 (0%)	0 (-0.2%)	0 (-0.2%)
	C	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	All	0 (-0.2%)	0 (-0.1%)	0 (0%)
SEP	W	0 (-0.1%)	0 (0.2%)	0 (0.3%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (-0.3%)	0 (-0.4%)	0 (-0.1%)
	D	0 (0%)	0 (-0.5%)	0 (-0.4%)
	C	0 (-0.7%)	-1 (-1%)	0 (-0.3%)
	All	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
OCT	W	0 (-0.1%)	0 (-0.1%)	0 (0%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	All	0 (-0.1%)	0 (-0.1%)	0 (0%)
NOV	W	0 (0%)	0 (-0.1%)	0 (-0.1%)
	AN	0 (-0.1%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (0.2%)	0 (0.1%)	0 (-0.2%)
	All	0 (0%)	0 (0%)	0 (-0.1%)
DEC	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	BN	0 (-0.1%)	0 (-0.3%)	0 (-0.2%)
	D	0 (0%)	0 (-0.1%)	0 (-0.1%)
	C	0 (0%)	0 (0%)	0 (-0.1%)
	All	0 (0%)	0 (-0.1%)	0 (0%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.9 Feather River at Fish Barrier Dam

Table C-53. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

State Water Board Alternative: Feather River at Fish Barrier Dam				
Month	Water Year Type	NAA_ELT	H3_ELT	H3_ELT_SWRCB
JAN	W	49	49	49
	AN	49	49	49
	BN	49	49	49
	D	49	49	49
	C	49	49	49
	All	49	49	49
FEB	W	49	49	49
	AN	49	49	50
	BN	50	50	50
	D	50	50	51
	C	51	51	51
	All	50	50	50
MAR	W	50	50	50
	AN	50	50	50
	BN	51	51	51
	D	52	52	52
	C	52	53	53
	All	51	51	51
APR	W	51	51	51
	AN	52	52	52
	BN	53	53	53
	D	53	53	53
	C	53	53	53
	All	52	52	52
MAY	W	55	55	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	56	56
	All	56	56	56
JUN	W	58	57	58
	AN	58	58	58
	BN	58	57	58
	D	58	58	58
	C	58	58	58
	All	58	58	58
JUL	W	61	61	61
	AN	61	61	61
	BN	61	61	61
	D	61	61	61
	C	62	63	62
	All	61	61	61

State Water Board Alternative: Feather River at Fish Barrier Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	61	61	61
	AN	60	60	60
	BN	60	60	61
	D	61	61	60
	C	63	62	61
	All	61	61	61
SEP	W	55	55	55
	AN	55	55	55
	BN	56	57	56
	D	57	57	56
	C	59	58	57
	All	56	56	56
OCT	W	54	54	54
	AN	55	56	55
	BN	55	55	55
	D	55	55	55
	C	55	55	55
	All	55	55	55
NOV	W	53	53	53
	AN	54	54	53
	BN	54	54	53
	D	54	55	53
	C	54	54	53
	All	54	54	53
DEC	W	51	51	50
	AN	51	51	50
	BN	51	51	50
	D	51	51	50
	C	51	51	49
	All	51	51	50

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-54. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

State Water Board Alternative: Feather River at Fish Barrier Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0.6%)	0 (0.7%)
	AN	0 (-0.3%)	0 (-0.3%)	0 (0%)
	BN	0 (-0.3%)	0 (0%)	0 (0.4%)
	D	0 (-0.3%)	0 (-0.24%)	0 (0.08%)
	C	0 (0.2%)	0 (-0.3%)	0 (-0.5%)
	All	0 (-0.2%)	0 (0.1%)	0 (0.2%)
FEB	W	0 (0.1%)	0 (0.4%)	0 (0.3%)
	AN	0 (0%)	0 (0.4%)	0 (0.5%)
	BN	0 (-0.2%)	0 (0.5%)	0 (0.7%)
	D	0 (0%)	0 (0.4%)	0 (0.4%)
	C	0 (-0.1%)	0 (-0.08%)	0 (0%)
	All	0 (0%)	0 (0.4%)	0 (0.4%)
MAR	W	0 (0.1%)	0 (0.4%)	0 (0.3%)
	AN	0 (-0.1%)	0 (0.1%)	0 (0.3%)
	BN	0 (0.2%)	0 (-0.7%)	0 (-0.9%)
	D	0 (-0.2%)	0 (-0.5%)	0 (-0.2%)
	C	0 (0.5%)	0 (0.8%)	0 (0.3%)
	All	0 (0.1%)	0 (0%)	0 (0%)
APR	W	0 (0.1%)	0 (0.3%)	0 (0.2%)
	AN	0 (0.1%)	0 (0.3%)	0 (0.2%)
	BN	0 (-0.1%)	0 (0.3%)	0 (0.4%)
	D	0 (-0.2%)	0 (0.5%)	0 (0.7%)
	C	0 (-0.1%)	0 (0.1%)	0 (0.3%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.5%)	0 (0.1%)	0 (0.6%)
	BN	0 (-0.1%)	0 (0%)	0 (0.1%)
	D	0 (0%)	0 (0.3%)	0 (0.3%)
	C	0 (0.2%)	0 (0.3%)	0 (0%)
	All	0 (-0.1%)	0 (0.1%)	0 (0.2%)
JUN	W	0 (-0.7%)	0 (-0.1%)	0 (0.6%)
	AN	0 (-0.8%)	0 (0.5%)	1 (1.4%)
	BN	-1 (-1.2%)	0 (-0.1%)	1 (1.1%)
	D	0 (-0.3%)	0 (-0.3%)	0 (0%)
	C	0 (0.2%)	0 (-0.1%)	0 (-0.3%)
	All	0 (-0.6%)	0 (-0.1%)	0 (0.5%)
JUL	W	0 (0.1%)	0 (0.3%)	0 (0.2%)
	AN	0 (0%)	0 (0.4%)	0 (0.4%)
	BN	0 (0.1%)	0 (0.5%)	0 (0.3%)
	D	0 (0.5%)	0 (0.2%)	0 (-0.3%)
	C	1 (1.1%)	0 (0.4%)	0 (-0.7%)
	All	0 (0.3%)	0 (0.3%)	0 (0%)

State Water Board Alternative: Feather River at Fish Barrier Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.5%)	0 (0.1%)	0 (-0.4%)
	AN	0 (0.3%)	0 (0.5%)	0 (0.2%)
	BN	0 (0.2%)	0 (0.5%)	0 (0.2%)
	D	0 (0.3%)	0 (-0.2%)	0 (-0.5%)
	C	-1 (-1.4%)	-2 (-2.5%)	-1 (-1.1%)
	All	0 (0.1%)	0 (-0.2%)	0 (-0.3%)
SEP	W	0 (0.4%)	0 (0.6%)	0 (0.2%)
	AN	0 (0.6%)	0 (0.8%)	0 (0.1%)
	BN	1 (1.5%)	0 (0.4%)	-1 (-1.1%)
	D	0 (0.2%)	-1 (-2.2%)	-1 (-2.4%)
	C	0 (-0.5%)	-2 (-3.2%)	-2 (-2.7%)
	All	0 (0.4%)	0 (-0.6%)	-1 (-1.1%)
OCT	W	0 (-0.2%)	0 (-0.2%)	0 (0%)
	AN	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
	BN	0 (-0.4%)	0 (-0.8%)	0 (-0.4%)
	D	-1 (-1.5%)	-1 (-1.5%)	0 (-0.1%)
	C	0 (-0.8%)	-1 (-1%)	0 (-0.2%)
	All	0 (-0.6%)	0 (-0.8%)	0 (-0.2%)
NOV	W	0 (0%)	-1 (-1.4%)	-1 (-1.4%)
	AN	0 (0.1%)	-1 (-1.8%)	-1 (-1.9%)
	BN	0 (-0.1%)	-1 (-1.6%)	-1 (-1.6%)
	D	0 (0.6%)	-1 (-2.5%)	-2 (-3.1%)
	C	0 (-0.2%)	-1 (-1.7%)	-1 (-1.4%)
	All	0 (0.1%)	-1 (-1.8%)	-1 (-1.9%)
DEC	W	0 (-0.2%)	-1 (-1.1%)	0 (-0.9%)
	AN	0 (-0.3%)	-1 (-1.5%)	-1 (-1.2%)
	BN	0 (0.9%)	-1 (-2%)	-1 (-2.8%)
	D	0 (0.1%)	-1 (-2.1%)	-1 (-2.1%)
	C	1 (1.1%)	-1 (-2.5%)	-2 (-3.5%)
	All	0 (0.2%)	-1 (-1.7%)	-1 (-1.9%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table C-55. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

State Water Board Alternative: River Low-Flow Channel (above Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	49	49	49
	AN	49	49	49
	BN	49	48	49
	D	49	48	48
	C	49	49	49
	All	49	49	49
FEB	W	50	50	50
	AN	50	50	50
	BN	50	50	51
	D	51	51	51
	C	51	51	51
	All	50	50	51
MAR	W	51	51	52
	AN	52	52	52
	BN	53	53	53
	D	54	54	53
	C	54	54	54
	All	53	53	53
APR	W	54	54	54
	AN	55	55	56
	BN	56	56	56
	D	56	56	56
	C	56	56	56
	All	55	55	55
MAY	W	60	60	60
	AN	61	61	61
	BN	61	61	61
	D	61	61	61
	C	61	61	61
	All	61	61	61
JUN	W	64	64	64
	AN	65	65	65
	BN	65	64	65
	D	65	65	65
	C	64	64	64
	All	65	64	64
JUL	W	68	68	68
	AN	68	68	68
	BN	68	68	68
	D	68	68	68
	C	69	69	69
	All	68	68	68

State Water Board Alternative: River Low-Flow Channel (above Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	67	67	67
	AN	66	66	66
	BN	67	67	67
	D	67	67	66
	C	68	68	67
	All	67	67	67
SEP	W	60	60	60
	AN	60	60	60
	BN	61	61	61
	D	61	62	61
	C	62	62	61
	All	61	61	60
OCT	W	56	56	56
	AN	57	57	57
	BN	57	57	57
	D	57	57	57
	C	57	57	57
	All	57	57	57
NOV	W	53	53	53
	AN	55	55	54
	BN	54	54	53
	D	54	55	53
	C	54	54	53
	All	54	54	53
DEC	W	50	50	50
	AN	50	50	50
	BN	50	50	49
	D	50	50	50
	C	50	50	49
	All	50	50	49

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-56. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

State Water Board Alternative: River Low-Flow Channel (above Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0.6%)	0 (0.5%)
	AN	0 (-0.2%)	0 (-0.3%)	0 (0%)
	BN	0 (-0.3%)	0 (0%)	0 (0.3%)
	D	0 (-0.3%)	0 (-0.22%)	0 (0.05%)
	C	0 (0.2%)	0 (-0.3%)	0 (-0.4%)
	All	0 (-0.1%)	0 (0%)	0 (0.2%)
FEB	W	0 (0.1%)	0 (0.4%)	0 (0.3%)
	AN	0 (0%)	0 (0.4%)	0 (0.4%)
	BN	0 (-0.1%)	0 (0.4%)	0 (0.6%)
	D	0 (0%)	0 (0.3%)	0 (0.3%)
	C	0 (-0.1%)	0 (-0.03%)	0 (0%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)
MAR	W	0 (0.1%)	0 (0.3%)	0 (0.2%)
	AN	0 (0%)	0 (0.2%)	0 (0.2%)
	BN	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
	D	0 (-0.2%)	0 (-0.3%)	0 (-0.2%)
	C	0 (0.3%)	0 (0.6%)	0 (0.2%)
	All	0 (0.1%)	0 (0%)	0 (0%)
APR	W	0 (0.1%)	0 (0.2%)	0 (0.1%)
	AN	0 (0.1%)	0 (0.2%)	0 (0.1%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (-0.1%)	0 (0.3%)	0 (0.5%)
	C	0 (-0.1%)	0 (0.1%)	0 (0.3%)
	All	0 (0%)	0 (0.2%)	0 (0.2%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.3%)	0 (0.1%)	0 (0.3%)
	BN	0 (-0.1%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.2%)	0 (0.2%)
	C	0 (0.1%)	0 (0.1%)	0 (0%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
JUN	W	0 (-0.4%)	0 (-0.1%)	0 (0.3%)
	AN	0 (-0.5%)	0 (0.3%)	1 (0.8%)
	BN	0 (-0.7%)	0 (0%)	0 (0.7%)
	D	0 (-0.2%)	0 (-0.2%)	0 (0%)
	C	0 (0.2%)	0 (0%)	0 (-0.2%)
	All	0 (-0.3%)	0 (0%)	0 (0.3%)
JUL	W	0 (0%)	0 (0.2%)	0 (0.1%)
	AN	0 (0%)	0 (0.2%)	0 (0.2%)
	BN	0 (0.1%)	0 (0.2%)	0 (0.2%)
	D	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	C	0 (0.6%)	0 (0.3%)	0 (-0.4%)
	All	0 (0.2%)	0 (0.2%)	0 (0%)

State Water Board Alternative: River Low-Flow Channel (above Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	AN	0 (0.2%)	0 (0.3%)	0 (0.1%)
	BN	0 (0.1%)	0 (0.3%)	0 (0.1%)
	D	0 (0.2%)	0 (-0.1%)	0 (-0.3%)
	C	-1 (-0.9%)	-1 (-1.5%)	0 (-0.7%)
	All	0 (0%)	0 (-0.1%)	0 (-0.2%)
SEP	W	0 (0.2%)	0 (0.4%)	0 (0.2%)
	AN	0 (0.4%)	0 (0.5%)	0 (0.1%)
	BN	1 (1%)	0 (0.2%)	0 (-0.7%)
	D	0 (0.2%)	-1 (-1.4%)	-1 (-1.6%)
	C	0 (-0.3%)	-1 (-2.2%)	-1 (-1.9%)
	All	0 (0.3%)	0 (-0.4%)	0 (-0.7%)
OCT	W	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	AN	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
	BN	0 (-0.3%)	0 (-0.7%)	0 (-0.3%)
	D	-1 (-1.1%)	-1 (-1.2%)	0 (-0.1%)
	C	0 (-0.6%)	0 (-0.7%)	0 (-0.1%)
	All	0 (-0.4%)	0 (-0.6%)	0 (-0.2%)
NOV	W	0 (0%)	-1 (-1.2%)	-1 (-1.2%)
	AN	0 (0.1%)	-1 (-1.5%)	-1 (-1.6%)
	BN	0 (-0.1%)	-1 (-1.3%)	-1 (-1.2%)
	D	0 (0.5%)	-1 (-2.1%)	-1 (-2.6%)
	C	0 (-0.2%)	-1 (-1.4%)	-1 (-1.2%)
	All	0 (0.1%)	-1 (-1.5%)	-1 (-1.6%)
DEC	W	0 (-0.2%)	0 (-0.9%)	0 (-0.8%)
	AN	0 (-0.3%)	-1 (-1.3%)	0 (-1%)
	BN	0 (0.7%)	-1 (-1.7%)	-1 (-2.4%)
	D	0 (0%)	-1 (-1.8%)	-1 (-1.8%)
	C	0 (1%)	-1 (-2.1%)	-2 (-3.1%)
	All	0 (0.2%)	-1 (-1.5%)	-1 (-1.7%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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C.4.2.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table C-57. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

State Water Board Alternative: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	48	49
	AN	48	48	48
	BN	48	47	48
	D	47	47	47
	C	48	48	48
	All	48	48	48
FEB	W	50	50	50
	AN	51	51	51
	BN	51	51	51
	D	51	51	52
	C	52	52	52
	All	51	51	51
MAR	W	52	52	52
	AN	53	53	52
	BN	55	55	54
	D	55	56	55
	C	55	55	55
	All	54	54	54
APR	W	56	56	56
	AN	58	58	58
	BN	58	58	58
	D	58	59	59
	C	58	58	58
	All	57	57	58
MAY	W	62	62	62
	AN	64	63	63
	BN	64	64	64
	D	64	64	64
	C	65	65	65
	All	63	63	63
JUN	W	67	66	67
	AN	69	67	69
	BN	69	66	68
	D	69	69	69
	C	69	69	69
	All	68	67	68
JUL	W	70	70	70
	AN	68	68	69
	BN	69	69	71
	D	69	70	70
	C	72	74	74
	All	70	70	71

State Water Board Alternative: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	70	70	70
	AN	68	69	69
	BN	69	70	71
	D	69	71	70
	C	72	71	72
	All	70	70	70
SEP	W	62	63	63
	AN	62	64	64
	BN	66	65	66
	D	65	64	65
	C	66	66	66
	All	64	64	65
OCT	W	60	60	60
	AN	61	61	60
	BN	61	60	60
	D	60	59	59
	C	60	60	60
	All	60	60	60
NOV	W	54	54	54
	AN	55	55	54
	BN	54	54	54
	D	54	54	54
	C	55	55	54
	All	54	54	54
DEC	W	49	49	49
	AN	49	49	49
	BN	48	49	48
	D	49	49	48
	C	48	48	47
	All	49	49	48

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-58. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

State Water Board Alternative: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (-0.1%)	0 (0.7%)	0 (0.8%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (-0.4%)	0 (0%)	0 (0.4%)
	D	0 (0.2%)	0 (-0.02%)	0 (-0.2%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (-0.1%)	0 (0.2%)	0 (0.3%)
FEB	W	0 (0%)	0 (0.2%)	0 (0.1%)
	AN	0 (-0.4%)	0 (-0.2%)	0 (0.3%)
	BN	0 (0.1%)	0 (0.2%)	0 (0.1%)
	D	0 (0.1%)	0 (0.3%)	0 (0.2%)
	C	0 (0%)	0 (0.14%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
MAR	W	0 (0.1%)	0 (0.2%)	0 (0.1%)
	AN	0 (0.1%)	0 (-0.6%)	0 (-0.7%)
	BN	0 (0.4%)	0 (-0.2%)	0 (-0.6%)
	D	0 (0.2%)	0 (0.1%)	0 (-0.2%)
	C	0 (0.4%)	0 (0%)	0 (-0.4%)
	All	0 (0.2%)	0 (0%)	0 (-0.3%)
APR	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0.4%)	0 (0.5%)
	D	0 (0.4%)	0 (0.3%)	0 (-0.2%)
	C	0 (0.3%)	0 (0.3%)	0 (0%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.6%)	0 (-0.1%)	0 (0.5%)
	BN	0 (-0.1%)	0 (0.2%)	0 (0.4%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (-0.1%)	0 (-0.1%)	0 (0%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
JUN	W	-1 (-1.7%)	0 (-0.2%)	1 (1.5%)
	AN	-2 (-2.7%)	0 (0.3%)	2 (3.1%)
	BN	-2 (-3.5%)	0 (-0.2%)	2 (3.4%)
	D	-1 (-1.3%)	-1 (-0.9%)	0 (0.4%)
	C	0 (0.1%)	0 (-0.2%)	0 (-0.3%)
	All	-1 (-1.8%)	0 (-0.3%)	1 (1.5%)
JUL	W	0 (0.4%)	1 (1.1%)	0 (0.7%)
	AN	0 (-0.1%)	1 (1.5%)	1 (1.7%)
	BN	0 (0.4%)	1 (2.1%)	1 (1.7%)
	D	1 (1.6%)	1 (0.9%)	-1 (-0.7%)
	C	3 (3.5%)	2 (2.5%)	-1 (-1%)
	All	1 (1.1%)	1 (1.5%)	0 (0.4%)

State Water Board Alternative: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.4%)	0 (0.4%)	0 (0.1%)
	AN	1 (0.9%)	1 (1.7%)	1 (0.8%)
	BN	1 (0.8%)	1 (1.9%)	1 (1.1%)
	D	2 (2.2%)	1 (1.1%)	-1 (-1%)
	C	-1 (-0.9%)	0 (-0.1%)	1 (0.8%)
	All	0 (0.7%)	1 (0.9%)	0 (0.2%)
SEP	W	1 (1.9%)	2 (2.9%)	1 (1%)
	AN	1 (2.4%)	2 (2.9%)	0 (0.6%)
	BN	-1 (-1.6%)	0 (0.2%)	1 (1.9%)
	D	0 (-0.4%)	1 (1.4%)	1 (1.8%)
	C	0 (0.5%)	0 (0.4%)	0 (-0.2%)
	All	0 (0.6%)	1 (1.7%)	1 (1.1%)
OCT	W	0 (-0.2%)	0 (0.3%)	0 (0.5%)
	AN	0 (-0.1%)	0 (-0.5%)	0 (-0.5%)
	BN	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
	D	0 (-0.3%)	0 (-0.4%)	0 (0%)
	C	0 (0.2%)	0 (0.4%)	0 (0.2%)
	All	0 (-0.2%)	0 (0%)	0 (0.1%)
NOV	W	0 (0.1%)	0 (-0.6%)	0 (-0.6%)
	AN	0 (0%)	-1 (-1.2%)	-1 (-1.3%)
	BN	0 (0%)	-1 (-1.1%)	-1 (-1%)
	D	0 (0.1%)	-1 (-1.5%)	-1 (-1.7%)
	C	0 (0%)	0 (-0.8%)	0 (-0.8%)
	All	0 (0.1%)	-1 (-1%)	-1 (-1%)
DEC	W	0 (-0.2%)	0 (-0.5%)	0 (-0.4%)
	AN	0 (-0.2%)	0 (-1%)	0 (-0.8%)
	BN	0 (0.5%)	-1 (-1.1%)	-1 (-1.5%)
	D	0 (0.3%)	-1 (-1.1%)	-1 (-1.4%)
	C	0 (-0.3%)	-1 (-1.5%)	-1 (-1.2%)
	All	0 (0%)	0 (-0.9%)	0 (-1%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.12 Feather River at Gridley

Table C-59. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 5A: Feather River at Gridley				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_State Water Board**
JAN	W	48	48	49
	AN	48	48	48
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	48	48	48
FEB	W	50	50	50
	AN	51	51	51
	BN	51	51	51
	D	52	52	52
	C	52	52	53
	All	51	51	51
MAR	W	52	52	52
	AN	53	53	53
	BN	55	55	55
	D	56	56	56
	C	56	56	56
	All	54	54	54
APR	W	56	56	56
	AN	59	59	59
	BN	59	59	60
	D	60	60	60
	C	59	60	60
	All	58	58	58
MAY	W	63	63	63
	AN	65	64	65
	BN	65	65	65
	D	66	65	66
	C	66	66	66
	All	65	65	65
JUN	W	68	67	68
	AN	70	68	71
	BN	70	67	70
	D	71	70	70
	C	70	70	70
	All	70	68	69
JUL	W	71	71	71
	AN	69	69	70
	BN	70	70	71
	D	70	71	71
	C	73	75	74
	All	71	71	72

Alternative 5A: Feather River at Gridley				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_State Water Board**
AUG	W	71	71	71
	AN	69	69	70
	BN	70	71	72
	D	70	72	71
	C	73	73	73
	All	71	71	71
SEP	W	62	64	64
	AN	63	64	65
	BN	67	66	67
	D	66	66	67
	C	67	67	67
	All	65	65	66
OCT	W	60	60	60
	AN	61	61	61
	BN	61	61	61
	D	60	60	60
	C	61	61	61
	All	61	60	61
NOV	W	54	54	54
	AN	55	55	55
	BN	54	54	54
	D	54	54	54
	C	55	55	54
	All	54	54	54
DEC	W	49	49	49
	AN	49	49	49
	BN	48	48	48
	D	48	49	48
	C	48	48	47
	All	49	49	48

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-60. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley, Year-Round

Alternative 5A: Feather River at Gridley				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (-0.1%)	0 (0.6%)	0 (0.7%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (-0.5%)	0 (0%)	0 (0.4%)
	D	0 (0.1%)	0 (0%)	0 (0%)
	C	0 (-0.2%)	0 (-0.2%)	0 (0%)
	All	0 (-0.1%)	0 (0.2%)	0 (0.3%)
FEB	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
	BN	0 (0.1%)	0 (0.2%)	0 (0.1%)
	D	0 (0.1%)	0 (0.2%)	0 (0.2%)
	C	0 (0%)	0 (0.08%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
MAR	W	0 (0.1%)	0 (0.2%)	0 (0%)
	AN	0 (0.1%)	0 (-0.7%)	0 (-0.8%)
	BN	0 (0.4%)	0 (-0.3%)	0 (-0.8%)
	D	0 (0.1%)	0 (-0.1%)	0 (-0.2%)
	C	0 (0.3%)	0 (0%)	0 (-0.3%)
	All	0 (0.2%)	0 (-0.1%)	0 (-0.3%)
APR	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.1%)	0 (0.1%)
	BN	0 (0%)	0 (0.3%)	0 (0.3%)
	D	0 (0.2%)	0 (0.3%)	0 (0%)
	C	0 (0.1%)	0 (0.2%)	0 (0.1%)
	All	0 (0.1%)	0 (0.2%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	-1 (-0.8%)	0 (0%)	1 (0.8%)
	BN	0 (-0.1%)	0 (0.1%)	0 (0.3%)
	D	0 (-0.2%)	0 (0.1%)	0 (0.2%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (-0.2%)	0 (0%)	0 (0.2%)
JUN	W	-1 (-1.9%)	0 (-0.3%)	1 (1.6%)
	AN	-2 (-2.9%)	0 (0.6%)	2 (3.5%)
	BN	-3 (-3.8%)	0 (-0.2%)	2 (3.7%)
	D	-1 (-1.3%)	-1 (-0.9%)	0 (0.4%)
	C	0 (0.2%)	0 (-0.2%)	0 (-0.4%)
	All	-1 (-1.9%)	0 (-0.3%)	1 (1.7%)
JUL	W	0 (0.4%)	1 (1.1%)	0 (0.7%)
	AN	0 (-0.1%)	1 (1.6%)	1 (1.7%)
	BN	0 (0.5%)	2 (2.2%)	1 (1.7%)
	D	1 (1.7%)	1 (0.9%)	-1 (-0.8%)
	C	3 (3.6%)	2 (2.4%)	-1 (-1.1%)
	All	1 (1.1%)	1 (1.5%)	0 (0.4%)

Alternative 5A: Feather River at Gridley				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.5%)	0 (0.4%)	0 (-0.1%)
	AN	1 (0.9%)	1 (1.7%)	1 (0.8%)
	BN	1 (0.7%)	1 (1.8%)	1 (1.1%)
	D	2 (2.3%)	1 (1.1%)	-1 (-1.1%)
	C	-1 (-0.8%)	0 (-0.6%)	0 (0.2%)
	All	1 (0.8%)	1 (0.8%)	0 (0%)
SEP	W	1 (1.9%)	2 (2.9%)	1 (1%)
	AN	2 (2.4%)	2 (2.9%)	0 (0.5%)
	BN	0 (-0.6%)	0 (0.4%)	1 (1%)
	D	0 (-0.2%)	0 (0.7%)	1 (0.9%)
	C	0 (0.4%)	0 (0%)	0 (-0.4%)
	All	1 (0.8%)	1 (1.5%)	0 (0.7%)
OCT	W	0 (-0.2%)	0 (0.3%)	0 (0.5%)
	AN	0 (-0.1%)	0 (-0.4%)	0 (-0.3%)
	BN	0 (-0.3%)	0 (0%)	0 (0.3%)
	D	0 (-0.4%)	0 (-0.2%)	0 (0.2%)
	C	0 (0.1%)	0 (0.3%)	0 (0.2%)
	All	0 (-0.2%)	0 (0%)	0 (0.3%)
NOV	W	0 (0%)	0 (-0.6%)	0 (-0.6%)
	AN	0 (0.1%)	-1 (-1.1%)	-1 (-1.1%)
	BN	0 (0%)	0 (-0.9%)	0 (-0.9%)
	D	0 (0.1%)	-1 (-1.3%)	-1 (-1.5%)
	C	0 (0%)	0 (-0.7%)	0 (-0.7%)
	All	0 (0%)	0 (-0.9%)	-1 (-0.9%)
DEC	W	0 (-0.2%)	0 (-0.5%)	0 (-0.3%)
	AN	0 (-0.2%)	0 (-1%)	0 (-0.8%)
	BN	0 (0.4%)	0 (-1%)	-1 (-1.4%)
	D	0 (0.3%)	0 (-1%)	-1 (-1.3%)
	C	0 (-0.3%)	-1 (-1.4%)	-1 (-1.2%)
	All	0 (0%)	0 (-0.9%)	0 (-0.9%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.13 Feather River at Honcut Creek

Table C-61. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River at Honcut Creek, Year-Round

State Water Board Alternative: Feather River at Honcut Creek				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	48	49
	AN	48	48	48
	BN	47	47	47
	D	47	47	47
	C	48	47	47
	All	48	48	48
FEB	W	50	50	50
	AN	51	51	51
	BN	51	51	51
	D	52	52	52
	C	53	53	53
	All	51	51	51
MAR	W	53	53	53
	AN	53	53	53
	BN	55	55	55
	D	56	56	56
	C	56	56	56
	All	54	55	54
APR	W	57	57	57
	AN	60	60	60
	BN	60	60	60
	D	61	61	61
	C	61	60	61
	All	59	59	59
MAY	W	64	64	64
	AN	66	65	66
	BN	66	66	66
	D	66	66	67
	C	67	67	67
	All	66	65	66
JUN	W	69	68	69
	AN	71	69	71
	BN	71	68	70
	D	71	70	71
	C	71	71	71
	All	70	69	70
JUL	W	71	72	72
	AN	70	70	71
	BN	70	71	72
	D	71	72	71
	C	73	76	75
	All	71	72	72

State Water Board Alternative: Feather River at Honcut Creek				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	71	72	72
	AN	69	70	71
	BN	71	71	72
	D	71	72	71
	C	74	73	73
	All	71	72	72
SEP	W	63	64	65
	AN	63	65	65
	BN	67	67	68
	D	67	67	67
	C	68	68	68
	All	65	66	66
OCT	W	60	60	61
	AN	61	61	61
	BN	61	61	61
	D	60	60	60
	C	61	61	61
	All	61	61	61
NOV	W	54	54	54
	AN	55	55	55
	BN	54	54	54
	D	54	54	54
	C	55	55	54
	All	54	54	54
DEC	W	49	49	49
	AN	49	49	48
	BN	48	48	48
	D	48	48	48
	C	47	47	47
	All	48	48	48

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

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Table C-62. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

State Water Board Alternative: Feather River at Honcut Creek				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (-0.1%)	0 (0.7%)	0 (0.8%)
	AN	0 (-0.2%)	0 (0%)	0 (0.1%)
	BN	0 (-0.4%)	0 (0%)	0 (0.4%)
	D	0 (0.1%)	0 (0%)	0 (-0.1%)
	C	0 (-0.2%)	0 (-0.2%)	0 (0%)
	All	0 (-0.1%)	0 (0.2%)	0 (0.3%)
FEB	W	0 (0.1%)	0 (0.1%)	0 (0.1%)
	AN	0 (-0.4%)	0 (-0.3%)	0 (0.1%)
	BN	0 (0.1%)	0 (0.1%)	0 (0%)
	D	0 (0.1%)	0 (0.2%)	0 (0.1%)
	C	0 (0%)	0 (0.09%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
MAR	W	0 (0.1%)	0 (0.2%)	0 (0%)
	AN	0 (0.1%)	0 (-0.7%)	0 (-0.8%)
	BN	0 (0.4%)	0 (-0.5%)	0 (-0.9%)
	D	0 (0%)	0 (-0.2%)	0 (-0.3%)
	C	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	All	0 (0.2%)	0 (-0.2%)	0 (-0.3%)
APR	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (0%)	0 (0.3%)	0 (0.2%)
	C	0 (-0.1%)	0 (0%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	-1 (-0.9%)	0 (0%)	1 (1%)
	BN	0 (-0.2%)	0 (0.1%)	0 (0.2%)
	D	0 (-0.2%)	0 (0.2%)	0 (0.4%)
	C	0 (0.1%)	0 (0.1%)	0 (0%)
	All	0 (-0.2%)	0 (0.1%)	0 (0.3%)
JUN	W	-1 (-1.9%)	0 (-0.3%)	1 (1.7%)
	AN	-2 (-2.9%)	0 (0.7%)	3 (3.7%)
	BN	-3 (-3.8%)	0 (-0.3%)	3 (3.7%)
	D	-1 (-1.2%)	-1 (-0.8%)	0 (0.4%)
	C	0 (0.2%)	0 (-0.2%)	0 (-0.5%)
	All	-1 (-1.9%)	0 (-0.3%)	1 (1.7%)
JUL	W	0 (0.4%)	1 (1.1%)	0 (0.7%)
	AN	0 (-0.1%)	1 (1.6%)	1 (1.7%)
	BN	0 (0.5%)	2 (2.2%)	1 (1.7%)
	D	1 (1.7%)	1 (0.9%)	-1 (-0.8%)
	C	3 (3.5%)	2 (2.4%)	-1 (-1.1%)
	All	1 (1.1%)	1 (1.5%)	0 (0.4%)

State Water Board Alternative: Feather River at Honcut Creek				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.6%)	0 (0.4%)	0 (-0.2%)
	AN	1 (0.9%)	1 (1.8%)	1 (0.9%)
	BN	1 (0.7%)	1 (1.8%)	1 (1.1%)
	D	2 (2.2%)	1 (1%)	-1 (-1.1%)
	C	-1 (-0.8%)	-1 (-1%)	0 (-0.2%)
	All	1 (0.8%)	1 (0.8%)	0 (0%)
SEP	W	1 (2%)	2 (3%)	1 (1%)
	AN	2 (2.4%)	2 (3%)	0 (0.5%)
	BN	0 (0%)	0 (0.4%)	0 (0.4%)
	D	0 (0%)	0 (0.1%)	0 (0.2%)
	C	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
	All	1 (0.9%)	1 (1.3%)	0 (0.4%)
OCT	W	0 (-0.2%)	0 (0.4%)	0 (0.5%)
	AN	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	BN	0 (-0.3%)	0 (0.1%)	0 (0.5%)
	D	0 (-0.5%)	0 (0%)	0 (0.4%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (-0.2%)	0 (0.1%)	0 (0.3%)
NOV	W	0 (0%)	0 (-0.5%)	0 (-0.5%)
	AN	0 (0.1%)	-1 (-1%)	-1 (-1.1%)
	BN	0 (0%)	0 (-0.8%)	0 (-0.8%)
	D	0 (0.2%)	-1 (-1.2%)	-1 (-1.4%)
	C	0 (0.1%)	0 (-0.7%)	0 (-0.7%)
	All	0 (0.1%)	0 (-0.8%)	0 (-0.9%)
DEC	W	0 (-0.2%)	0 (-0.4%)	0 (-0.2%)
	AN	0 (-0.2%)	0 (-1%)	0 (-0.7%)
	BN	0 (0.4%)	0 (-0.9%)	-1 (-1.3%)
	D	0 (0.3%)	0 (-1%)	-1 (-1.3%)
	C	0 (-0.1%)	-1 (-1.3%)	-1 (-1.2%)
	All	0 (0%)	0 (-0.8%)	0 (-0.8%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.14 Feather River at the Confluence with the Sacramento River

Table C-63. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Feather River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	47	48
	AN	47	47	47
	BN	46	46	46
	D	46	46	46
	C	46	46	46
	All	47	47	47
FEB	W	51	51	51
	AN	51	51	51
	BN	51	51	51
	D	51	51	51
	C	52	52	52
	All	51	51	51
MAR	W	54	54	54
	AN	55	55	55
	BN	56	56	55
	D	56	56	56
	C	57	57	57
	All	55	55	55
APR	W	59	59	59
	AN	61	61	61
	BN	61	61	61
	D	63	63	63
	C	64	64	64
	All	61	61	61
MAY	W	66	66	66
	AN	68	68	68
	BN	68	68	68
	D	69	69	70
	C	70	70	70
	All	68	68	68
JUN	W	72	71	72
	AN	73	72	74
	BN	74	72	73
	D	75	74	74
	C	74	74	74
	All	73	72	73
JUL	W	75	75	75
	AN	74	73	74
	BN	74	75	76
	D	75	75	75
	C	77	79	78
	All	75	75	76

State Water Board Alternative: Feather River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	74	75	75
	AN	72	73	73
	BN	74	74	74
	D	74	75	74
	C	77	76	76
	All	74	75	75
SEP	W	68	69	70
	AN	68	69	69
	BN	71	72	71
	D	72	72	72
	C	72	72	71
	All	70	71	71
OCT	W	62	62	62
	AN	63	63	63
	BN	63	63	63
	D	62	62	62
	C	63	63	63
	All	62	62	63
NOV	W	53	53	53
	AN	54	54	54
	BN	54	54	53
	D	53	53	53
	C	54	54	54
	All	53	54	53
DEC	W	48	48	48
	AN	48	48	48
	BN	47	47	47
	D	47	47	47
	C	46	46	46
	All	47	47	47

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-64. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: Feather River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (-0.1%)	0 (0.5%)	0 (0.5%)
	AN	0 (-0.1%)	0 (0%)	0 (0.1%)
	BN	0 (-0.2%)	0 (0.1%)	0 (0.4%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	All	0 (-0.1%)	0 (0.1%)	0 (0.2%)
FEB	W	0 (0.1%)	0 (0.1%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.2%)	0 (0.2%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.3%)	0 (-0.3%)
	BN	0 (0.1%)	0 (-0.2%)	0 (-0.2%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.5%)	0 (0%)	0 (0.5%)
	BN	0 (-0.1%)	0 (0%)	0 (0.1%)
	D	0 (-0.2%)	0 (0.2%)	0 (0.4%)
	C	0 (0.2%)	0 (0.2%)	0 (0%)
	All	0 (-0.1%)	0 (0.1%)	0 (0.2%)
JUN	W	-1 (-1%)	0 (-0.1%)	1 (0.9%)
	AN	-1 (-1.8%)	0 (0.5%)	2 (2.3%)
	BN	-2 (-2.5%)	0 (-0.2%)	2 (2.4%)
	D	-1 (-0.9%)	0 (-0.6%)	0 (0.3%)
	C	0 (0.2%)	0 (-0.2%)	0 (-0.4%)
	All	-1 (-1.2%)	0 (-0.2%)	1 (1%)
JUL	W	0 (0.4%)	1 (0.7%)	0 (0.4%)
	AN	0 (-0.1%)	1 (1%)	1 (1.1%)
	BN	0 (0.3%)	1 (1.6%)	1 (1.3%)
	D	1 (1.3%)	1 (0.7%)	0 (-0.6%)
	C	2 (2.5%)	1 (1.7%)	-1 (-0.8%)
	All	1 (0.8%)	1 (1.1%)	0 (0.2%)

State Water Board Alternative: Feather River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.6%)	0 (0.4%)	0 (-0.2%)
	AN	0 (0.5%)	1 (1%)	0 (0.5%)
	BN	0 (0.4%)	1 (1.1%)	1 (0.7%)
	D	1 (1.4%)	0 (0.6%)	-1 (-0.8%)
	C	0 (-0.6%)	-1 (-1%)	0 (-0.3%)
	All	0 (0.6%)	0 (0.5%)	0 (-0.1%)
SEP	W	1 (1.7%)	2 (2.4%)	1 (0.7%)
	AN	1 (1.8%)	1 (2.2%)	0 (0.3%)
	BN	1 (1%)	0 (0.4%)	0 (-0.7%)
	D	0 (0.2%)	-1 (-0.7%)	-1 (-0.9%)
	C	0 (-0.3%)	-1 (-0.9%)	0 (-0.6%)
	All	1 (1%)	1 (0.8%)	0 (-0.1%)
OCT	W	0 (-0.2%)	0 (0.4%)	0 (0.6%)
	AN	0 (-0.2%)	0 (0.1%)	0 (0.2%)
	BN	0 (-0.2%)	0 (0.4%)	0 (0.6%)
	D	0 (-0.3%)	0 (0.5%)	1 (0.8%)
	C	0 (0.1%)	0 (0%)	0 (-0.1%)
	All	0 (-0.2%)	0 (0.3%)	0 (0.5%)
NOV	W	0 (0%)	0 (-0.1%)	0 (-0.1%)
	AN	0 (0%)	0 (-0.3%)	0 (-0.3%)
	BN	0 (0%)	0 (-0.3%)	0 (-0.3%)
	D	0 (0.2%)	0 (-0.3%)	0 (-0.5%)
	C	0 (0.2%)	0 (-0.1%)	0 (-0.3%)
	All	0 (0.1%)	0 (-0.2%)	0 (-0.3%)
DEC	W	0 (-0.2%)	0 (-0.1%)	0 (0.2%)
	AN	0 (-0.3%)	0 (-0.6%)	0 (-0.3%)
	BN	0 (0.2%)	0 (-0.6%)	0 (-0.7%)
	D	0 (0.7%)	0 (0.1%)	0 (-0.6%)
	C	0 (0.9%)	0 (0.1%)	0 (-0.7%)
	All	0 (0.2%)	0 (-0.2%)	0 (-0.4%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.15 American River below Nimbus Dam

Table C-65. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the American River below Nimbus Dam, Year-Round

State Water Board Alternative: American River below Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	48	48
	AN	48	48	48
	BN	48	48	48
	D	48	48	48
	C	48	48	48
	All	48	48	48
FEB	W	50	50	50
	AN	50	50	50
	BN	49	49	49
	D	50	50	50
	C	52	52	52
	All	50	50	50
MAR	W	53	53	53
	AN	54	54	54
	BN	54	54	54
	D	55	55	55
	C	56	56	56
	All	54	54	54
APR	W	57	57	57
	AN	58	58	58
	BN	59	59	59
	D	60	60	60
	C	61	60	61
	All	59	59	59
MAY	W	62	62	62
	AN	64	63	64
	BN	63	63	63
	D	66	66	66
	C	66	66	66
	All	64	64	64
JUN	W	66	65	66
	AN	68	67	68
	BN	67	67	67
	D	68	68	68
	C	71	71	71
	All	68	67	67
JUL	W	68	67	68
	AN	67	67	67
	BN	67	67	67
	D	68	68	68
	C	72	73	73
	All	68	68	69

State Water Board Alternative: American River below Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	68	69	68
	AN	69	69	68
	BN	69	69	67
	D	69	70	69
	C	74	74	73
	All	70	70	69
SEP	W	66	66	66
	AN	66	66	66
	BN	67	67	67
	D	68	68	68
	C	71	71	70
	All	67	67	67
OCT	W	63	63	62
	AN	63	64	63
	BN	62	63	62
	D	64	64	63
	C	64	64	64
	All	63	63	63
NOV	W	59	59	59
	AN	59	59	59
	BN	59	59	59
	D	59	59	59
	C	60	60	60
	All	59	59	59
DEC	W	51	51	51
	AN	52	52	52
	BN	51	51	51
	D	51	51	51
	C	51	51	51
	All	51	51	51

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-66. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

State Water Board Alternative: American River below Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.1%)	0 (0.4%)	0 (0.3%)
	BN	0 (0%)	0 (-0.1%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (0%)
	BN	0 (-0.1%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (0.5%)	0 (0.8%)	0 (0.3%)
	All	0 (0%)	0 (0.1%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.1%)	0 (0.1%)
	D	0 (-0.2%)	0 (-0.1%)	0 (0%)
	C	0 (-0.5%)	0 (0.3%)	0 (0.8%)
	All	0 (-0.1%)	0 (0.1%)	0 (0.1%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	D	0 (0.1%)	0 (0.1%)	0 (0%)
	C	-1 (-1%)	0 (0%)	1 (1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.2%)	0 (0%)	0 (0.1%)
	BN	0 (-0.3%)	0 (-0.1%)	0 (0.2%)
	D	0 (0.2%)	0 (0.3%)	0 (0%)
	C	0 (-0.5%)	0 (-0.1%)	0 (0.4%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
JUN	W	0 (-0.3%)	0 (-0.1%)	0 (0.1%)
	AN	-1 (-0.9%)	0 (0.3%)	1 (1.2%)
	BN	0 (-0.5%)	0 (0.1%)	0 (0.6%)
	D	-1 (-1.2%)	-1 (-1%)	0 (0.2%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (-0.6%)	0 (-0.2%)	0 (0.4%)
JUL	W	-1 (-0.8%)	0 (0.6%)	1 (1.4%)
	AN	0 (0.1%)	0 (0.7%)	0 (0.6%)
	BN	0 (-0.2%)	1 (1%)	1 (1.2%)
	D	0 (0.4%)	0 (-0.3%)	0 (-0.7%)
	C	0 (0.6%)	0 (0.7%)	0 (0.1%)
	All	0 (-0.1%)	0 (0.5%)	0 (0.6%)

State Water Board Alternative: American River below Nimbus Dam				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.4%)	0 (-0.5%)	-1 (-0.9%)
	AN	0 (0.1%)	-1 (-0.9%)	-1 (-0.9%)
	BN	0 (0.2%)	-2 (-2.4%)	-2 (-2.6%)
	D	1 (1.1%)	0 (-0.4%)	-1 (-1.5%)
	C	0 (0.5%)	-1 (-0.9%)	-1 (-1.4%)
	All	0 (0.5%)	-1 (-0.9%)	-1 (-1.4%)
SEP	W	0 (0.5%)	0 (0.1%)	0 (-0.4%)
	AN	0 (0.6%)	0 (0.3%)	0 (-0.3%)
	BN	1 (0.9%)	0 (0.2%)	0 (-0.7%)
	D	0 (0.7%)	0 (0.2%)	0 (-0.5%)
	C	0 (-0.1%)	0 (-0.6%)	0 (-0.6%)
	All	0 (0.5%)	0 (0%)	0 (-0.5%)
OCT	W	0 (0.1%)	-1 (-0.9%)	-1 (-1%)
	AN	0 (0.2%)	-1 (-1.4%)	-1 (-1.6%)
	BN	0 (0.5%)	0 (0%)	0 (-0.4%)
	D	0 (-0.2%)	-1 (-0.8%)	0 (-0.6%)
	C	0 (-0.1%)	0 (-0.2%)	0 (-0.1%)
	All	0 (0.1%)	0 (-0.7%)	0 (-0.8%)
NOV	W	0 (-0.3%)	0 (0.2%)	0 (0.5%)
	AN	0 (-0.1%)	0 (0.2%)	0 (0.3%)
	BN	0 (-0.2%)	0 (-0.3%)	0 (-0.1%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	C	0 (0.1%)	0 (0.2%)	0 (0.2%)
	All	0 (-0.2%)	0 (0.1%)	0 (0.3%)
DEC	W	0 (0%)	0 (0.5%)	0 (0.5%)
	AN	0 (0.1%)	0 (0.6%)	0 (0.5%)
	BN	0 (0%)	0 (0.1%)	0 (0.1%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	C	0 (0.2%)	0 (0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.16 American River at Watt Avenue

Table C-67. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the American River at Watt Avenue, Year-Round

State Water Board Alternative: American River at Watt Avenue				
Month	Water Year Type	NAA_ELT	H3_ELT	H3_ELT_SWRCB
JAN	W	48	48	48
	AN	48	48	48
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	48	48	48
FEB	W	50	50	50
	AN	50	50	50
	BN	49	49	49
	D	51	51	51
	C	53	53	53
	All	50	50	50
MAR	W	54	54	54
	AN	54	54	54
	BN	55	55	55
	D	56	56	56
	C	57	57	57
	All	55	55	55
APR	W	58	58	58
	AN	59	59	59
	BN	60	60	60
	D	61	61	61
	C	62	62	62
	All	60	60	60
MAY	W	63	63	63
	AN	65	65	65
	BN	65	64	65
	D	67	67	67
	C	68	67	67
	All	65	65	65
JUN	W	67	67	67
	AN	69	68	69
	BN	69	69	69
	D	70	69	70
	C	72	72	72
	All	69	69	69
JUL	W	70	69	70
	AN	68	68	69
	BN	68	68	69
	D	70	70	70
	C	74	74	74
	All	70	70	70

State Water Board Alternative: American River at Watt Avenue				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	70	71	70
	AN	70	70	70
	BN	71	71	69
	D	71	72	71
	C	75	75	74
	All	71	72	71
SEP	W	67	67	67
	AN	67	68	67
	BN	68	69	68
	D	69	69	69
	C	71	71	71
	All	68	69	68
OCT	W	63	63	63
	AN	63	63	63
	BN	63	63	63
	D	64	63	63
	C	64	64	64
	All	63	63	63
NOV	W	58	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	58
	C	59	59	59
	All	58	58	58
DEC	W	51	51	51
	AN	51	51	51
	BN	50	50	50
	D	50	50	50
	C	50	50	50
	All	50	50	50

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-68. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

State Water Board Alternative: American River at Watt Avenue				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0.1%)	0 (0.3%)	0 (0.3%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0.1%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.1%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	0 (-0.1%)	0 (-0.1%)	0 (0%)
	C	0 (0.3%)	0 (0.5%)	0 (0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0.1%)	0 (0.1%)
	D	0 (-0.2%)	0 (-0.2%)	0 (0.1%)
	C	0 (-0.2%)	0 (0.2%)	0 (0.5%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (-0.6%)	0 (-0.1%)	0 (0.5%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (-0.4%)	0 (-0.1%)	0 (0.3%)
	D	0 (0.1%)	0 (0%)	0 (0%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
JUN	W	0 (-0.4%)	0 (-0.1%)	0 (0.2%)
	AN	-1 (-1.1%)	0 (0.3%)	1 (1.4%)
	BN	0 (-0.7%)	0 (0.1%)	1 (0.8%)
	D	-1 (-1.3%)	-1 (-1%)	0 (0.4%)
	C	0 (0%)	0 (-0.1%)	0 (0%)
	All	0 (-0.7%)	0 (-0.2%)	0 (0.5%)
JUL	W	-1 (-0.9%)	0 (0.7%)	1 (1.6%)
	AN	0 (0%)	1 (0.8%)	1 (0.8%)
	BN	0 (-0.2%)	1 (1.3%)	1 (1.5%)
	D	0 (0.4%)	0 (-0.2%)	0 (-0.6%)
	C	0 (0.3%)	0 (0.6%)	0 (0.4%)
	All	0 (-0.2%)	0 (0.6%)	1 (0.8%)

State Water Board Alternative: American River at Watt Avenue				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.5%)	0 (-0.5%)	-1 (-1%)
	AN	0 (0.1%)	-1 (-0.8%)	-1 (-1%)
	BN	0 (0.3%)	-2 (-2.4%)	-2 (-2.7%)
	D	1 (1.1%)	0 (-0.3%)	-1 (-1.4%)
	C	0 (0.3%)	0 (-0.6%)	-1 (-0.9%)
	All	0 (0.5%)	-1 (-0.9%)	-1 (-1.4%)
SEP	W	0 (0.7%)	0 (0.2%)	0 (-0.5%)
	AN	0 (0.7%)	0 (0.3%)	0 (-0.4%)
	BN	1 (1%)	0 (0.1%)	-1 (-0.9%)
	D	0 (0.4%)	0 (0%)	0 (-0.4%)
	C	0 (0%)	0 (-0.4%)	0 (-0.3%)
	All	0 (0.6%)	0 (0.1%)	0 (-0.5%)
OCT	W	0 (0.1%)	0 (-0.6%)	0 (-0.7%)
	AN	0 (0%)	-1 (-1.1%)	-1 (-1.1%)
	BN	0 (0.4%)	0 (0%)	0 (-0.3%)
	D	0 (-0.1%)	0 (-0.6%)	0 (-0.5%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
NOV	W	0 (-0.4%)	0 (0.2%)	0 (0.6%)
	AN	0 (-0.2%)	0 (0.1%)	0 (0.3%)
	BN	0 (-0.4%)	0 (-0.4%)	0 (0%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	C	0 (0.1%)	0 (0.3%)	0 (0.2%)
	All	0 (-0.3%)	0 (0%)	0 (0.3%)
DEC	W	0 (0%)	0 (0.6%)	0 (0.6%)
	AN	0 (0.1%)	0 (0.5%)	0 (0.4%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.3%)
	C	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.17 American River at the Confluence with the Sacramento River

Table C-69. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: American River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	48	48
	AN	48	48	48
	BN	47	47	47
	D	47	47	47
	C	48	48	48
	All	47	47	47
FEB	W	50	50	50
	AN	50	50	50
	BN	50	49	49
	D	51	51	51
	C	53	53	53
	All	51	51	51
MAR	W	54	54	54
	AN	55	55	55
	BN	55	55	55
	D	56	56	56
	C	57	57	57
	All	55	55	55
APR	W	58	58	58
	AN	60	60	60
	BN	60	60	60
	D	62	62	62
	C	63	63	63
	All	60	60	60
MAY	W	63	63	63
	AN	66	66	66
	BN	65	65	65
	D	68	68	68
	C	68	68	68
	All	66	66	66
JUN	W	68	67	68
	AN	70	69	70
	BN	70	69	70
	D	71	70	70
	C	72	72	72
	All	70	69	70
JUL	W	71	70	71
	AN	69	69	70
	BN	69	69	70
	D	71	71	71
	C	75	75	75
	All	71	71	71

State Water Board Alternative: American River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	71	72	71
	AN	71	71	71
	BN	72	72	70
	D	72	73	72
	C	75	75	75
	All	72	73	72
SEP	W	67	68	67
	AN	68	68	68
	BN	69	70	69
	D	69	70	69
	C	71	71	71
	All	69	69	69
OCT	W	63	63	63
	AN	63	63	63
	BN	63	63	63
	D	63	63	63
	C	64	64	64
	All	63	63	63
NOV	W	58	58	58
	AN	58	58	58
	BN	58	57	57
	D	57	57	57
	C	58	58	58
	All	58	58	58
DEC	W	50	50	51
	AN	50	50	51
	BN	49	49	49
	D	50	50	50
	C	49	49	49
	All	50	50	50

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-70. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

State Water Board Alternative: American River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	0 (0%)	0 (0.3%)	0 (0.2%)
	BN	0 (-0.1%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0.1%)	0 (0%)	0 (-0.1%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.1%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	0 (0%)	0 (-0.1%)	0 (0%)
	C	0 (0.1%)	0 (0.3%)	0 (0.2%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0.1%)	0 (0.1%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.2%)	0 (-0.2%)	0 (0.1%)
	C	0 (-0.1%)	0 (0.2%)	0 (0.3%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (-0.5%)	0 (-0.1%)	0 (0.4%)
	All	0 (-0.1%)	0 (-0.1%)	0 (0.1%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (-0.2%)	0 (0%)	0 (0.2%)
	BN	0 (-0.4%)	0 (0%)	0 (0.4%)
	D	0 (0%)	0 (0%)	0 (-0.1%)
	C	0 (-0.2%)	0 (-0.1%)	0 (0.1%)
	All	0 (-0.1%)	0 (0%)	0 (0.1%)
JUN	W	0 (-0.4%)	0 (-0.1%)	0 (0.3%)
	AN	-1 (-1.2%)	0 (0.3%)	1 (1.5%)
	BN	-1 (-0.7%)	0 (0.1%)	1 (0.8%)
	D	-1 (-1.3%)	-1 (-0.9%)	0 (0.4%)
	C	0 (0%)	0 (-0.1%)	0 (0%)
	All	-1 (-0.7%)	0 (-0.2%)	0 (0.5%)
JUL	W	-1 (-0.9%)	1 (0.7%)	1 (1.6%)
	AN	0 (0%)	1 (0.8%)	1 (0.8%)
	BN	0 (-0.2%)	1 (1.4%)	1 (1.6%)
	D	0 (0.3%)	0 (-0.1%)	0 (-0.5%)
	C	0 (0.2%)	0 (0.6%)	0 (0.4%)
	All	0 (-0.2%)	0 (0.6%)	1 (0.9%)

State Water Board Alternative: American River at the Confluence with the Sacramento River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0.5%)	0 (-0.5%)	-1 (-1%)
	AN	0 (0.1%)	-1 (-0.9%)	-1 (-1%)
	BN	0 (0.3%)	-2 (-2.4%)	-2 (-2.7%)
	D	1 (1.2%)	0 (-0.2%)	-1 (-1.3%)
	C	0 (0.2%)	0 (-0.5%)	-1 (-0.7%)
	All	0 (0.5%)	-1 (-0.8%)	-1 (-1.3%)
SEP	W	1 (0.8%)	0 (0.3%)	0 (-0.5%)
	AN	0 (0.7%)	0 (0.3%)	0 (-0.4%)
	BN	1 (1%)	0 (0%)	-1 (-1%)
	D	0 (0.3%)	0 (0%)	0 (-0.4%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0.6%)	0 (0.1%)	0 (-0.5%)
OCT	W	0 (0.1%)	0 (-0.5%)	0 (-0.6%)
	AN	0 (0%)	-1 (-0.9%)	-1 (-1%)
	BN	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	D	0 (-0.1%)	0 (-0.6%)	0 (-0.5%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0.1%)	0 (-0.4%)	0 (-0.5%)
NOV	W	0 (-0.4%)	0 (0.1%)	0 (0.6%)
	AN	0 (-0.3%)	0 (0%)	0 (0.3%)
	BN	0 (-0.4%)	0 (-0.4%)	0 (0%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	C	0 (0.1%)	0 (0.3%)	0 (0.2%)
	All	0 (-0.3%)	0 (0%)	0 (0.3%)
DEC	W	0 (0%)	0 (0.6%)	0 (0.6%)
	AN	0 (0%)	0 (0.5%)	0 (0.5%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (-0.1%)	0 (0.1%)	0 (0.2%)
	C	0 (0.3%)	0 (0.1%)	0 (-0.2%)
	All	0 (0%)	0 (0.3%)	0 (0.3%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.18 Stanislaus River at Knights Ferry

Table C-71. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

State Water Board Alternative: Stanislaus River at Knights Ferry				
Month	Water Year Type	NAA_ELT	H3_ELT	H3_ELT_SWRCB
JAN	W	50	50	50
	AN	50	50	50
	BN	50	50	50
	D	50	50	50
	C	50	50	50
	All	50	50	50
FEB	W	50	50	50
	AN	50	50	50
	BN	51	51	51
	D	50	50	50
	C	51	51	51
	All	50	50	50
MAR	W	50	50	50
	AN	51	51	51
	BN	52	52	52
	D	53	53	53
	C	54	54	54
	All	52	52	52
APR	W	51	51	51
	AN	52	52	52
	BN	53	53	53
	D	53	53	53
	C	55	55	55
	All	53	53	53
MAY	W	53	53	53
	AN	54	54	54
	BN	56	56	56
	D	56	56	56
	C	58	58	58
	All	55	55	55
JUN	W	55	55	55
	AN	57	57	57
	BN	59	59	59
	D	61	61	61
	C	62	62	62
	All	58	58	58
JUL	W	58	58	58
	AN	61	61	61
	BN	62	62	62
	D	63	63	63
	C	64	64	64
	All	61	61	61

State Water Board Alternative: Stanislaus River at Knights Ferry				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	59	59	59
	AN	61	61	61
	BN	62	62	62
	D	63	63	63
	C	65	65	65
	All	62	62	62
SEP	W	60	60	60
	AN	62	62	62
	BN	63	63	63
	D	63	63	63
	C	65	65	65
	All	62	62	62
OCT	W	61	61	61
	AN	61	61	61
	BN	60	60	60
	D	60	60	60
	C	62	62	62
	All	61	61	61
NOV	W	58	58	58
	AN	58	58	58
	BN	57	57	57
	D	57	57	57
	C	59	59	59
	All	58	58	58
DEC	W	53	53	53
	AN	53	53	53
	BN	53	53	53
	D	52	52	52
	C	53	53	53
	All	53	53	53

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

Table C-72. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

State Water Board Alternative: Stanislaus River at Knights Ferry				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
JUN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (-0.1%)
	D	0 (0%)	0 (-0.1%)	0 (-0.1%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
JUL	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0%)	0 (0.4%)	0 (0.4%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)

State Water Board Alternative: Stanislaus River at Knights Ferry				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
SEP	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
OCT	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
NOV	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
DEC	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

C.4.2.19 Stanislaus River at Orange Blossom Bridge

Table C-73. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

State Water Board Alternative: Stanislaus River at Orange Blossom Bridge				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	49	49	49
	AN	49	49	49
	BN	49	49	49
	D	48	48	49
	C	49	49	49
	All	49	49	49
FEB	W	50	50	50
	AN	51	51	51
	BN	51	51	51
	D	51	51	51
	C	52	52	52
	All	51	51	51
MAR	W	51	51	51
	AN	52	52	52
	BN	53	53	53
	D	54	54	54
	C	54	54	54
	All	53	53	53
APR	W	52	52	52
	AN	53	53	53
	BN	54	54	54
	D	54	54	54
	C	56	56	56
	All	54	54	54
MAY	W	54	54	54
	AN	56	56	56
	BN	57	57	57
	D	58	58	58
	C	60	60	60
	All	57	57	57
JUN	W	57	57	57
	AN	60	60	60
	BN	62	62	62
	D	65	64	64
	C	65	65	65
	All	61	61	61
JUL	W	61	61	61
	AN	65	65	65
	BN	65	65	65
	D	66	66	67
	C	67	67	67
	All	65	65	65

State Water Board Alternative: Stanislaus River at Orange Blossom Bridge				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	62	62	62
	AN	64	64	64
	BN	65	65	65
	D	66	66	66
	C	67	67	67
	All	64	64	64
SEP	W	62	62	62
	AN	64	64	64
	BN	65	65	65
	D	65	65	65
	C	66	66	66
	All	64	64	64
OCT	W	61	61	61
	AN	61	61	61
	BN	60	60	60
	D	60	60	60
	C	62	62	62
	All	61	61	61
NOV	W	56	56	56
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	57	57	57
	All	57	57	56
DEC	W	52	52	52
	AN	51	51	51
	BN	51	51	51
	D	51	51	51
	C	51	51	51
	All	51	51	51

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-74. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

State Water Board Alternative: Stanislaus River at Orange Blossom Bridge				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
JUN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (0%)	0 (-0.2%)	0 (-0.2%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
JUL	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.2%)	0 (0.2%)
	C	0 (0%)	0 (0.4%)	0 (0.4%)
	All	0 (0%)	0 (0.1%)	0 (0.1%)

State Water Board Alternative: Stanislaus River at Orange Blossom Bridge				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
SEP	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.3%)	0 (-0.3%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
OCT	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
NOV	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
DEC	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

1

C.4.2.20 Stanislaus River at Riverbank

Table C-75. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Stanislaus River at Riverbank, Year-Round

State Water Board Alternative: Stanislaus River at Riverbank				
Month	Water Year Type	NAA_ELT	H3_ELT	H3_ELT_SWRCB
JAN	W	48	48	48
	AN	48	48	48
	BN	48	48	48
	D	47	47	47
	C	47	47	47
	All	48	48	48
FEB	W	51	51	51
	AN	51	51	51
	BN	51	51	51
	D	51	51	51
	C	52	52	52
	All	51	51	51
MAR	W	52	52	52
	AN	53	53	53
	BN	55	55	55
	D	56	56	56
	C	55	55	55
	All	54	54	54
APR	W	53	53	53
	AN	55	55	55
	BN	56	56	56
	D	56	56	56
	C	58	58	58
	All	55	55	55
MAY	W	57	57	57
	AN	59	59	59
	BN	60	60	60
	D	61	61	61
	C	62	62	62
	All	59	59	59
JUN	W	61	61	61
	AN	64	64	64
	BN	66	66	66
	D	69	69	68
	C	68	68	68
	All	65	65	65
JUL	W	67	67	67
	AN	70	70	70
	BN	70	70	70
	D	70	70	71
	C	70	70	70
	All	69	69	69

State Water Board Alternative: Stanislaus River at Riverbank				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	67	67	67
	AN	69	69	69
	BN	68	68	68
	D	69	69	69
	C	69	69	69
	All	68	68	68
SEP	W	65	65	65
	AN	68	68	68
	BN	67	67	67
	D	68	68	68
	C	68	68	67
	All	67	67	67
OCT	W	61	61	61
	AN	61	61	61
	BN	60	60	60
	D	60	60	60
	C	62	62	62
	All	61	61	61
NOV	W	55	55	55
	AN	54	54	54
	BN	54	54	54
	D	54	54	54
	C	55	55	55
	All	54	54	54
DEC	W	49	49	49
	AN	49	49	49
	BN	48	48	48
	D	48	48	48
	C	48	48	48
	All	49	49	49

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-76. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

State Water Board Alternative: Stanislaus River at Riverbank				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
JUN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	D	0 (0%)	0 (-0.1%)	0 (-0.1%)
	C	0 (0%)	0 (-0.2%)	0 (-0.2%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
JUL	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.2%)	0 (0.2%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)

State Water Board Alternative: Stanislaus River at Riverbank				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
SEP	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.4%)	0 (-0.4%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
OCT	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
NOV	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
DEC	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
Water Year Type: AN = above normal year BN = below normal year C = critical year D = dry year W = wet year				

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C.4.2.21 Stanislaus River at the Confluence with the San Joaquin River

Table C-77. Mean Monthly Water Temperatures (°F) for Alternative 4A Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

State Water Board Alternative: Stanislaus River at the Confluence with the San Joaquin River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
JAN	W	48	48	48
	AN	47	47	47
	BN	47	47	47
	D	46	46	46
	C	46	46	46
	All	47	47	47
FEB	W	51	51	51
	AN	52	52	52
	BN	51	51	51
	D	52	52	52
	C	53	53	53
	All	52	52	52
MAR	W	53	53	53
	AN	54	54	54
	BN	55	55	55
	D	57	57	57
	C	56	56	56
	All	55	55	55
APR	W	55	55	55
	AN	57	57	57
	BN	58	58	58
	D	58	58	58
	C	60	60	60
	All	57	57	57
MAY	W	60	60	60
	AN	62	62	62
	BN	63	63	63
	D	64	64	64
	C	65	65	65
	All	62	62	62
JUN	W	64	64	64
	AN	67	67	67
	BN	68	68	68
	D	70	70	70
	C	70	70	70
	All	67	67	67
JUL	W	69	69	69
	AN	72	72	72
	BN	71	71	71
	D	72	72	72
	C	72	72	72
	All	71	71	71

State Water Board Alternative: Stanislaus River at the Confluence with the San Joaquin River				
Month	**Water Year Type**	**NAA_ELT**	**H3_ELT**	**H3_ELT_SWRCB**
AUG	W	69	69	69
	AN	70	70	70
	BN	70	70	70
	D	71	71	71
	C	70	70	70
	All	70	70	70
SEP	W	67	67	67
	AN	69	69	69
	BN	68	68	68
	D	69	69	69
	C	68	68	68
	All	68	68	68
OCT	W	61	61	61
	AN	61	61	61
	BN	60	60	60
	D	61	61	61
	C	62	62	62
	All	61	61	61
NOV	W	54	54	54
	AN	53	53	53
	BN	53	53	53
	D	53	53	53
	C	54	54	54
	All	54	54	54
DEC	W	48	48	48
	AN	48	48	48
	BN	47	47	47
	D	46	46	46
	C	46	46	46
	All	47	47	47

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year

Table C-78. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

State Water Board Alternative: Stanislaus River at the Confluence with the San Joaquin River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
JAN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
FEB	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
APR	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
MAY	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
JUN	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (-0.1%)
	D	0 (0%)	0 (-0.1%)	0 (-0.1%)
	C	0 (0%)	0 (-0.1%)	0 (-0.1%)
	All	0 (0%)	0 (0%)	0 (0%)
JUL	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (-0.1%)	0 (-0.1%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0.1%)	0 (0.1%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)

State Water Board Alternative: Stanislaus River at the Confluence with the San Joaquin River				
Month	**Water Year Type**	**NAA_ELT vs. H3_ELT**	**NAA_ELT vs. H3_ELT_SWRCB**	**H3_ELT vs. H3_ELT_SWRCB**
AUG	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
SEP	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (-0.4%)	0 (-0.4%)
	All	0 (0%)	0 (-0.1%)	0 (-0.1%)
OCT	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
NOV	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0%)	0 (0%)
	All	0 (0%)	0 (0%)	0 (0%)
DEC	W	0 (0%)	0 (0%)	0 (0%)
	AN	0 (0%)	0 (0%)	0 (0%)
	BN	0 (0%)	0 (0%)	0 (0%)
	D	0 (0%)	0 (0%)	0 (0%)
	C	0 (0%)	0 (0.1%)	0 (0.1%)
	All	0 (0%)	0 (0%)	0 (0%)

Water Year Type:
AN = above normal year
BN = below normal year
C = critical year
D = dry year
W = wet year