

CHAPTER 1

INTRODUCTION

This Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) has been prepared to respond to comments received on the Draft EIR/EIS for the Proposed Lower Yuba River Accord (Proposed Yuba Accord), which would resolve instream flow issues associated with operation of the Yuba River Development Project (Yuba Project) in a way that would protect and enhance lower Yuba River fisheries and local water supply reliability. Additionally, the Yuba County Water Agency (YCWA) has a goal to provide revenues for local flood control and water supply projects, and the United States Department of the Interior (Interior) Bureau of Reclamation (Reclamation) and the California Department of Water Resources (DWR) have a goal to obtain water for the CALFED Bay/Delta Program (CALFED) to use for protection and restoration of Sacramento-San Joaquin Delta (Delta) fisheries and for improvements in statewide water supply reliability, including supplemental water for the Central Valley Project (CVP) and the State Water Project (SWP). This Final EIR/EIS has been prepared on behalf of YCWA and Reclamation in accordance with the requirements of the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). YCWA is the lead agency under CEQA and Reclamation is the lead agency under NEPA.

The Draft EIR/EIS for the Proposed Yuba Accord was distributed for public review and comment on June 25, 2007. The Draft EIR/EIS evaluated the potential environmental impacts of the Proposed Project/Action (i.e., the Yuba Accord Alternative), the Modified Flow Alternative, the No Project Alternative (as defined by CEQA) and the No Action Alternative (as defined by NEPA). To provide the public with opportunities to submit verbal and written comments on the Draft EIR/EIS, two public hearings were held at YCWA's offices in Marysville, California on August 1, 2007. Three verbal comments and one written comment were received during the afternoon hearing that was held from 2:00 pm to 3:00 pm, and no comments were received during the second hearing that was held from 6:00 pm to 7:00 pm. The public comment period on the Draft EIR/EIS closed on August 24, 2007. At the request of the Environmental Protection Agency (EPA), EPA's comment deadline was extended to September 7, 2007. Written comments were received from federal, state, and local agencies, and individuals (see Chapter 4).

CEQA and NEPA require the lead agencies to respond to comments on the Draft EIR/EIS that are received during the public comment period (CEQA Guidelines Section 15088 and President's Council on Environmental Quality (CEQ) Regulations for Implementing NEPA Section 1503.4). This document has been prepared pursuant to these requirements. YCWA and Reclamation have considered all of the comments received on the Draft EIR/EIS, and determined that none of the changes to the Draft EIR/EIS, the comments received, or responses provided result in a change to the substantive conclusions presented in the Draft EIR/EIS.

The Final EIR/EIS consists of: (1) the entire Draft EIR/EIS (see Appendix L); (2) introductory sections and a description of project updates that have occurred since publication of the Draft EIR/EIS (Chapters 1 through 3); (3) the comments and responses to comments (Chapter 4); (4) revisions to the Draft EIR/EIS (Chapter 5); (5) a Mitigation Monitoring and Reporting Program/Environmental Commitments Plan (MMRP/ECP) (Chapter 6); (6) references (Chapter 7); and (7) a list of preparers (Chapter 8).

1.1 BACKGROUND AND PURPOSE OF THE FINAL EIR/EIS

Both CEQA and NEPA require a lead agency that has completed a Draft EIR or EIS to consult with and obtain comments from public agencies that have legal jurisdiction with respect to the proposed action, and to provide the general public with opportunities to comment on the Draft EIR or EIS. This Final EIR/EIS has been prepared to respond to comments received from agencies and members of the public on the Draft EIR/EIS for the Proposed Yuba Accord.

1.2 CEQA AND NEPA REQUIREMENTS FOR RESPONDING TO COMMENTS

CEQA requires that the lead agencies evaluate comments on environmental issues received from persons who reviewed the Draft EIR and prepare written responses. The written responses must describe the disposition of significant environmental issues raised (e.g., revisions to the proposed project to mitigate anticipated impacts or objections). Additionally, if the lead agency's position varies from the recommendations and objections raised in the comments, then these major environmental issues must be addressed in detail giving reasons why specific comments and suggestions were not accepted (California Code of Regulations, Title 14, Section 15088).

NEPA requires that the Final EIS include and respond to all substantive comments received on the Draft EIS (40 CFR 1503.4). Lead agency responses may include the need to:

- Modify the Proposed Action or alternatives;
- Develop and evaluate new alternatives;
- Supplement, improve, or modify the substantive environmental analyses;
- Make factual corrections to the text, tables, or figures contained in the Draft EIS; or
- Explain why no further response is necessary.

Additionally, the Final EIS must discuss any responsible opposing view that was not adequately discussed in the Draft EIS and must indicate the lead agency's response to the issues raised.

1.3 REQUIREMENTS FOR CERTIFICATION AND FUTURE STEPS IN THE PROJECT APPROVAL PROCESS

The Final EIR/EIS is an informational document that must be used by the YCWA Board of Directors (YCWA Board) and by Reclamation when considering approval of the Proposed Project/ Action (i.e., Yuba Accord Alternative) or an alternative.

Following completion of the Final EIR/EIS, the YCWA Board will hold a public meeting to consider certification of the Final EIR and to decide whether or not to approve the Proposed Project or an alternative. For CEQA purposes, the YCWA Board must certify that:

- The Final EIR has been completed in compliance with CEQA.
- The Final EIR was presented to the decision-making body of the lead agency, and the decision-making body reviewed and considered the information contained in the Final EIR before approving or denying the project; and
- The Final EIR reflects the lead agency's independent judgment and analysis.

If the YCWA Board approves the Proposed Project or an alternative, it will prepare and adopt written findings of fact for each significant environmental impact identified in the Final EIR/EIS, which will be accompanied by an explanation of the rationale for each finding pursuant to California Code of Regulations, Title 14, Section 15091. Any significant impacts identified in the Final EIR/EIS that cannot be avoided or substantially lessened will be addressed in a Statement of Overriding Considerations, if needed. For those impacts found to be less than significant with mitigation, the YCWA Board also will adopt an MMRP/ECP to ensure that the mitigation measures and monitoring activities identified to reduce or avoid potential impacts will be implemented. If the YCWA Board approves the project, then a Notice of Determination (NOD) will be filed with the Office of Planning and Research and with the county clerks in the counties in which the project will be located.

Typically, Reclamation's project approval process under NEPA would involve circulation of the Final EIS for 30 days prior to taking action on the project and issuing a Record of Decision (ROD). The ROD would describe the decision, alternatives considered, the environmental preferable alternative, relevant factors considered in the decision, and mitigation and monitoring. However, for this project, Reclamation has decided to temporarily defer the completion of the Endangered Species Act (ESA) consultation on the Proposed Yuba Accord (see Chapter 3). Because the ESA consultation must be completed prior to approving the Final EIS and issuing a ROD, Reclamation will not participate immediately in the Proposed Yuba Accord. Reclamation anticipates that it will complete its ESA- and NEPA-related approval processes for the project and may begin to participate in the Yuba Accord after the litigations between the Natural Resources Defense Council (NRDC) *et al.* v. *Kempthorne et al.* (NRDC v. *Kempthorne*) and Pacific Coast Federation of Fisherman's Associations (PCFFA), *et al.* v. *Gutierrez, et al.* (PCFFA v. *Gutierrez*) regarding the U.S. Fish and Wildlife Service's (USFWS) 2005 Biological Opinion (BO) and the National Marine Fisheries Service's (NMFS) 2004 BO, respectively, on the CVP and SWP Operations Criteria and Plan (OCAP) and the ESA re-consultations for the OCAP are completed. It is anticipated that these issues may be resolved by mid-to-late 2008. At that time, Reclamation may decide to complete the ESA consultation and determine whether or not to approve the Proposed Yuba Accord. Because the exact timing of these activities is unknown at this time, there also is a possibility that, for NEPA purposes, supplemental environmental documentation may be required as part of Reclamation's future approval process.

Based on the information available, the Yuba Accord Alternative is selected as the environmentally superior alternative for CEQA purposes. Subject to the preceding paragraph, the Yuba Accord Alternative also is selected as the environmentally preferred alternative for NEPA purposes.

1.4 ORGANIZATION AND FORMAT OF THE FINAL EIR/EIS

The chapters of this Final EIR/EIS are organized as follows:

- ❑ **Chapter 1 - Introduction** - Describes the purpose and content of the Final EIR/EIS.
- ❑ **Chapter 2 - Public Outreach Process** - Describes the scoping process and schedule for the public hearings and comments.
- ❑ **Chapter 3 - Project Updates Since Publication of the Draft EIR/EIS** - Describes the proposed phasing of the Yuba Accord Alternative, an additional sensitivity analyses

conducted to investigate the potential effects of phasing, and the effects of the interim remedies order in the *NRDC v. Kempthorne* litigation on the Yuba Accord Alternative.

- ❑ **Chapter 4 - Comments and Responses** - Contains a list of all agencies and persons who submitted comments on the Draft EIR/EIS during the public review period, copies of the comment letters received, and responses to the comments.
- ❑ **Chapter 5 - Revisions to the Draft EIR/EIS** - Presents revisions to the Draft EIR/EIS text based on issues raised by new developments, comments, clarifications, or corrections.
- ❑ **Chapter 6 - Mitigation, Monitoring and Reporting Program/Environmental Commitments Plan** - Describes the mitigation measures and environmental commitments identified for the project. The MMRP/ECP also includes monitoring details such as the implementing party, that agency responsible for monitoring, the timing of implementation, reporting requirements and standards of success.
- ❑ **Chapter 7 - References** - Lists the sources of information used in completing the responses to comments and other sections of this Final EIR/EIS
- ❑ **Chapter 8 - List of EIR/EIS Preparers** - Identifies the individuals who prepared this document
- ❑ **Appendices**
 - Appendix L - Draft EIR/EIS (DVD)
 - Appendix M - Updated Proposed Lower Yuba River Accord Agreements (CD)
 - M1 - Lower Yuba River Fisheries Agreement
 - M2 - Yuba Accord Water Purchase Agreement

1.5 SUMMARY OF IMPACTS

The tables that are presented in this section provide a summary of how the Proposed Project/Action and alternatives could affect the natural, physical, and social environments. The tables describe each potential impact that was evaluated in the EIR/EIS and state whether the impact would be potentially significant or less than significant. For the water-rights comparisons, the tables state whether or not the Proposed Project/Action and other action alternatives would unreasonably affect these environments.

Table 1-1 lists the potential resource-specific impacts that were determined to be less than significant in the Draft EIR/EIS. **Table 1-2** lists potentially significant impacts to environmental resources identified in the Draft EIR/EIS, which can be reduced to less than significant levels by incorporating mitigation measures. **Table 1-3** provides a summary of the potentially significant unavoidable impacts that were identified in the Draft EIR/EIS. **Table 1-4** provides a summary of the potential cumulative impacts that were identified for the Proposed Project/Action and action alternatives. The impacts are presented by resource category/chapter.

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Surface Water Supply and Management (Chapter 5)								
Yuba Region	Surface water allocations and deliveries to YCWA Member Units	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Deliveries to CVP Contractors	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Deliveries to SWP Contractors	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	YCWA Sales to Environmental Water Account (EWA)	B	B	B	LTS	LTS	B	B
Sacramento-San Joaquin Delta Region	X2 Location	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Delta Excess Water Conditions	NUA	NUA	NI	LTS	NI	LTS	LTS
	South Delta Water Levels	NUA	NUA	NI	NI	NI	NI	NI
Export Service Area	San Luis Reservoir Storage	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Groundwater Resources (Chapter 6)								
Yuba Region	Reductions in local groundwater levels and storage to either affect long-term overdraft conditions in the basin or result in short-term adverse third party impacts	B	NUA	B	LTS	LTS	B	LTS
	Changes in groundwater pumping that could affect surface water and groundwater interactions and result in reduced instream flows in local rivers and streams	B	NUA	B	LTS	LTS	B	LTS
	Changes in groundwater quality that could degrade conditions and result in exceedance of regulatory or agricultural water quality standards, or result in adverse effects to designated beneficial uses of groundwater	B	NUA	B	LTS	LTS	B	LTS
	Increases in groundwater pumping to cause groundwater level reductions that result in permanent land subsidence	B	NUA	B	LTS	LTS	B	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Power Production and Energy Consumption (Chapter 7)								
Yuba Region	Decreases in long-term average annual hydropower generation at New Colgate, Narrows I and Narrows II powerhouses; at the Oroville-Thermalito Complex, or at the San Luis Pumping-Generating Plant	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Decreases in long-term average annual hydropower generation at New Colgate, Narrows I and Narrows II powerhouses; at the Oroville-Thermalito Complex, or at the San Luis Pumping-Generating Plant	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Decreases in long-term average annual or shift in long-term average monthly hydropower generation at the Oroville-Thermalito Complex	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Increases in long-term average annual power consumption at the Banks Pumping Plant, the Jones Pumping Plant, the O'Neill Forebay Pumping Plant and the San Luis Pumping-Generating Plant	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Decreases in long-term average annual or shift in long-term average monthly hydropower generation at the San Luis Pumping-Generating Plant	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Increases in long-term average annual power consumption at the Banks Pumping Plant, the Jones Pumping Plant, the O'Neill Forebay Pumping Plant and the San Luis Pumping-Generating Plant	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

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Flood Control (Chapter 8)								
Yuba Region	Increases in New Bullards Bar Reservoir end-of-month storage volumes that could affect flood control releases	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Increases in Oroville Reservoir end-of-month storage volumes that could affect flood control releases	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Surface Water Quality (Chapter 9)								
Yuba Region	Decreases in New Bullards Bar Reservoir storage that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Yuba River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean water temperatures in the lower Yuba River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Decreases in Oroville Reservoir storage that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Feather River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS

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Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Surface Water Quality (Chapter 9) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Changes in monthly mean water temperatures in the Feather River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean water temperatures in the Sacramento River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Changes to the monthly mean location of X2 that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes to monthly mean Delta outflow that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes to monthly mean export-to-inflow (E/I) ratios that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Salinity changes in the San Joaquin River at Airport Way Bridge (Vernalis) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

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Surface Water Quality (Chapter 9) (continued)								
Sacramento-San Joaquin Delta Region (continued)	Salinity changes in the San Joaquin River at Brandt Bridge that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Salinity changes in Middle River near Old River that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Salinity changes in Old River at Tracy Road Bridge that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in dissolved organic carbon (DOC) concentrations at Old River at Highway 4 (CCWD Los Vaqueros Intake) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in DOC concentrations at Old River at Rock Slough (CCWD Intake) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in DOC concentrations at West Canal at the mouth of Clifton Court Forebay (SWP Banks Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in DOC concentrations at the Delta-Mendota Canal at the Jones Pumping Plant (CVP Jones Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Surface Water Quality (Chapter 9) (continued)								
Sacramento-San Joaquin Delta Region (continued)	Changes in monthly mean flows in Old River at Bacon Island that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Middle River at Middle River that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Middle River at Mowry Bridge that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Decreases in San Luis Reservoir storage that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Fisheries and Aquatic Resources (Chapter 10)								
Yuba Region	Decreases in New Bullards Bar Reservoir water surface elevations during the spawning/nesting season could affect warmwater fish	B	B	LTS	LTS	LTS	B	LTS
	Decreases in New Bullards Bar Reservoir storage could reduce the coldwater pool and thereby affect coldwater fish	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect steelhead	NUA	NUA	B	LTS	LTS	LTS	LTS

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		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Fisheries and Aquatic Resources (Chapter 10) (continued)								
Yuba Region (continued)	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect green sturgeon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect American shad	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect striped bass	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Decreases in Oroville Reservoir water surface elevations during the spawning/nesting season could affect warmwater fish	NUA	NUA	LTS/B	LTS	LTS	LTS	LTS
	Decreases in Oroville Reservoir storage could reduce the coldwater pool and thereby affect coldwater fish	NUA	NUA	LTS/B	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect spring-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect fall-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect steelhead	NUA	NUA	LTS	LTS	LTS	LTS	LTS

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Fisheries and Aquatic Resources (Chapter 10) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect green sturgeon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect American Shad	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect striped bass	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the lower Feather River, or changes in monthly mean water temperatures, could affect Sacramento splittail	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect winter-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect spring-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect fall-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect late fall-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS

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Fisheries and Aquatic Resources (Chapter 10) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect steelhead	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect green sturgeon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect American shad	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect striped bass	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in monthly mean flows in the Sacramento River, or changes in monthly mean water temperatures, could affect Sacramento splittail	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) and salvage estimates could affect winter-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) and salvage estimates could affect spring-run Chinook salmon	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) and salvage estimates could affect steelhead	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Fisheries and Aquatic Resources (Chapter 10) (continued)								
Sacramento-San Joaquin Delta Region (continued)	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) and salvage estimates could affect striped bass	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) could affect other Delta fisheries resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Delta habitat evaluation parameters (i.e., X2 locations, Delta outflows and E/I ratios) and salvage estimates could affect delta smelt	NUA	NUA	LTS	LTS	PS	LTS	LTS
Export Service Area	Decreases in San Luis Reservoir water surface elevations during the spawning/nesting season could affect warmwater fish	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Decreases in San Luis Reservoir storage could reduce the coldwater pool and thereby affect coldwater fish	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Terrestrial Resources (Chapter 11)								
Yuba Region	Changes in New Bullards Bar Reservoir water surface elevations during the March through September period that could degrade continuous strands of native vegetation of relatively high to moderate wildlife value	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in the New Bullards Bar Reservoir fishery during the April through July period that could degrade piscivorous bird forage quantity or quality	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in lower Yuba River flow during the March through September period that could degrade the growth, maintenance, and reproductive capacity of riparian vegetation	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Terrestrial Resources (Chapter 11) (continued)								
CVP/SWP Upstream of the Delta Region	Changes in Oroville Reservoir water surface elevations during the March through September period that could degrade continuous strands of native vegetation of relatively high to moderate wildlife value	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in the Oroville Reservoir fishery during the April through July period that could degrade piscivorous bird forage quantity or quality	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in lower Feather River flow during the March through September period that could degrade the growth, maintenance, and reproductive capacity of riparian vegetation	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in lower Sacramento River flow during the March through September period that could degrade the growth, maintenance, and reproductive capacity of riparian vegetation	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Changes in San Luis Reservoir water surface elevations during the March through September period that could degrade continuous strands of native vegetation of relatively high to moderate wildlife value	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in the San Luis Reservoir fishery during the April through July period that could degrade piscivorous bird forage quantity or quality	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Recreation (Chapter 12)								
Yuba Region	Decreases in New Bullards Bar Reservoir monthly mean water surface elevations that could result in reduced boat ramp and swimming beaches availability	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Decreases in lower Yuba River flows that could result in reduced boating opportunities	NUA/B	NUA	LTS	LTS	LTS	LTS	LTS
	Consistency with Yuba County General Plan recreation policies	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Decreases in Oroville Reservoir monthly mean water surface elevations that could result in reduced boat ramp availability	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Decreases in Oroville Reservoir monthly mean water surface elevations that could result in reduced camping and swimming beaches availability	NUA/B	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Oroville Reservoir monthly mean water surface elevations that could result in reduced recreation opportunities	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Feather River flows that could result in reduced boating and fishing opportunities	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Consistency with Feather River recreation policies	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Sacramento River flows that could result in reduced Sacramento River boating, hunting, and fishing opportunities	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Recreation (Chapter 12) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Consistency with Sacramento River recreation policies	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Changes in Delta inflows that could result in reduced recreation opportunities in the Delta	NUA/B	NUA/B	LTS	LTS	LTS	LTS	LTS
	Consistency with Delta recreation policies	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Decreases in San Luis Reservoir monthly mean water surface elevations that could result in reduced boat ramp availability	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Visual Resources (Chapter 13)								
Yuba Region	Changes in New Bullards Bar Reservoir monthly mean water surface elevations that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in lower Yuba River monthly mean flows that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Change in surface water conditions that could result in adverse impacts to the landscape character and the attractiveness of Class A and B resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Changes in Oroville Reservoir monthly mean water surface elevations that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Visual Resources (Chapter 13) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Changes in Feather River monthly mean flows that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Sacramento River monthly mean flows that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Change in surface water conditions that could result in adverse impacts to the landscape character and the attractiveness of Class A and B resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Sacramento-San Joaquin Delta Region	Changes in monthly mean Delta inflows that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Change in surface water conditions that could result in adverse impacts to the landscape character and the attractiveness of Class A and B resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Changes in San Luis Reservoir monthly mean water surface elevations that could result in adverse impacts to the visual character of the landscape	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Change in surface water conditions that could result in adverse impacts to the landscape character and the attractiveness of Class A and B resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Cultural Resources (Chapter 14)								
Yuba Region	Changes in New Bullards Bar Reservoir water surface elevations that could result in adverse impacts to sensitive cultural resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Alteration of the character of New Bullards Bar Reservoir site setting that could affect eligibility for site inclusion in the National Register of Historic Places	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in lower Yuba River monthly mean flows that could result in adverse impacts to sensitive cultural resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Alteration of the character of the lower Yuba River site setting that could affect eligibility for site inclusion in the National Register of Historic Places	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in surface water or groundwater conditions that could result in adverse impacts to a federally reserved water right	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in surface water or groundwater conditions that could result in adverse impacts to the health of Tribes	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in surface water conditions that could result in adverse impacts to a federally reserved hunting, fishing, or gathering right	NUA	NUA	LTS	LTS	LTS	LTS	LTS
CVP/SWP Upstream of the Delta Region	Changes in Oroville Reservoir monthly mean water surface elevations that could result in adverse impacts to sensitive cultural resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Cultural Resources (Chapter 14) (continued)								
CVP/SWP Upstream of the Delta Region (continued)	Alteration of the character of Oroville Reservoir site setting that could affect eligibility for site inclusion in the National Register of Historic Places	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Feather River monthly mean flows that could result in adverse impacts to sensitive cultural resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Alteration of the character of the Feather River site setting that could affect eligibility for site inclusion in the National Register of Historic Places	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in Sacramento River monthly mean flows that could result in adverse impacts to sensitive cultural resources	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Alteration of the character of the Sacramento River site setting that could affect eligibility for site inclusion in the National Register of Historic Places	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Air Quality (Chapter 15)								
Export Service Area	Increases in emissions associated with groundwater pumping that could result in potential impacts to air quality by lowering the attainment status, conflicting with adopted air quality policies and programs, or violating approved standards	NUA	NUA	LTS/B	LTS	LTS	LTS/B	LTS
Land Use (Chapter 16)								
Yuba Region	Changes in annual surface water deliveries that could result in potential impacts to existing land use designations	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Land Use (Chapter 16) (continued)								
Yuba Region (continued)	Changes in annual water deliveries and instream flow conditions that could result in potential impacts to the compatibility with surrounding land uses and regional character	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in annual water deliveries that could result in potential impacts to farmland and agricultural acreage	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in annual water deliveries that could result in potential impacts to the conversion of lands to protected lands	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Changes in annual water deliveries and instream flow conditions that could result in potential impacts to local and regional planning objectives	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Agricultural Impacts Resulting from Changes in Water Temperature	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Socioeconomics (Chapter 17)								
Yuba Region	Decreases in cumulative net revenues that could result in adverse impacts to the annual income of local growers	NUA	NUA	LTS	LTS	PS	LTS	LTS
Growth Inducement (Chapter 18)								
Yuba Region	Potential local growth-inducing considerations in the Yuba Region Potential local growth-inducing considerations in the Yuba Region	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Export Service Area	Potential regional growth-inducing considerations in the Export Service Area	NUA	NUA	LTS	LTS	LTS	LTS	LTS
	Increases in water deliveries to CVP contractor service areas that could remove an impediment to growth or contribute to growth inducement in the Export Service Area	NUA	NUA	LTS	LTS	LTS	LTS	LTS

Table 1-1. Summary of Potential Less-than-Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1 CEQA Accord vs. No Project ^(a)	2 CEQA Modified vs. No Project ^(a)	3 CEQA Accord vs. Existing ^(b)	4 CEQA Modified vs. Existing ^(b)	5 CEQA No Project vs. Existing ^(b)	6 NEPA Accord vs. No Action ^(b)	7 NEPA Modified vs. No Action ^(b)
Growth Inducement (Chapter 18) (continued)								
	Increases in water deliveries to SWP contractor service areas that could remove an impediment to growth or contribute to growth inducement in the Export Service Area	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Environmental Justice (Chapter 19)								
Yuba Region	Changes in the natural or physical environment that would result in a proportionately high or adverse impact on a minority or low-income population	NUA	NUA	LTS	LTS	LTS	LTS	LTS
Indian Trust Assets (Chapter 20)								
Yuba Region	Potential for environmental impacts on Indian Trust Assets				NI			
CVP/SWP Upstream of the Delta Region	Potential for environmental impacts on Indian Trust Assets				NI			
Delta Region	Potential for environmental impacts on Indian Trust Assets				NA			
<p>Notes:</p> <p>Alternative Comparisons: 1 - CEQA Yuba Accord Alternative Compared to the CEQA No Project Alternative (Water Rights) 2 - CEQA Modified Flow Alternative Compared to the CEQA No Project Alternative (Water Rights) 3 - CEQA Yuba Accord Alternative Compared to the CEQA Existing Condition (CEQA) 4 - CEQA Modified Flow Alternative Compared to the CEQA Existing Condition (CEQA) 5 - CEQA No Project Alternative Compared to the CEQA Existing Condition (CEQA) 6 - NEPA Yuba Accord Alternative Compared to the NEPA No Action Alternative (NEPA) 7 - NEPA Modified Flow Alternative Compared to the NEPA No Action Alternative (NEPA)</p> <p>^(a)Level of Effect (Water Rights) NUA = Not Unreasonably Affect UA = Unreasonably Affect</p> <p>^(b)Level of Significance (CEQA/NEPA) B = Beneficial NI = No Impact LTS = Less Than Significant Impact LSM = Less Than Significant Impact with Mitigation Measures Incorporated PS = Potentially Significant Impact (no mitigation identified) SU = Significant Unavoidable Impact (no mitigation feasible at this time)</p> <p>Notes: NR = None Required NA = Not Applicable</p>								

Table 1-2. Summary of Less than Significant Impacts, With Mitigation Measures Incorporated, Identified in the Proposed Lower Yuba River Accord EIR/EIS

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Surface Water Quality (Chapter 9)								
Sacramento-San Joaquin Delta Region	Salinity changes in the Sacramento River at Emmaton that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Salinity changes in the San Joaquin River at Jersey Point that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Salinity changes in Old River at Highway 4 (CCWD Los Vaqueros Intake) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Salinity changes at CCWD Pumping Plant #1 that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Salinity changes in the West Canal at the mouth of Clifton Court Forebay (SWP Banks Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Salinity changes in the Delta-Mendota Canal at the Jones Pumping Plant (CVP Jones Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses	NUA	NUA	LSM	LSM	PS	LSM	LTS

Table 1-2. Summary of Less than Significant Impacts, With Mitigation Measures Incorporated, Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Surface Water Quality (Chapter 9) (continued)								
Sacramento-San Joaquin Delta Region (continued)	Salinity changes at Middle River at Victoria Canal that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LTS
	Salinity changes at the Stockton Intake that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LTS
	Changes in chloride concentrations in Old River at Highway 4 (CCWD Los Vaqueros Intake) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Changes in chloride concentrations in CCWD Pumping Plant #1 (Rock Slough) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Changes in chloride concentrations in Old River at Rock Slough (CCWD Intake) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Changes in chloride concentrations in West Canal at the mouth of Clifton Court Forebay (SWP Banks Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM

Table 1-2. Summary of Less than Significant Impacts, With Mitigation Measures Incorporated, Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Surface Water Quality (Chapter 9) (continued)								
Sacramento -San Joaquin Delta Region (continued)	Changes in chloride concentrations in Delta Mendota Canal at the Jones Pumping Plant (CVP Jones Pumping Plant) that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Changes in chloride concentrations in Middle River at Victoria Canal that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	PS	LSM	LSM
	Changes in chloride concentrations at the Stockton Intake that could result in degraded water quality conditions or adverse effects to designated beneficial uses in the Delta	NUA	NUA	LSM	LSM	LTS	LSM	LSM
Air Quality (Chapter 15)								
Yuba Region	Increases in emissions associated with groundwater pumping that could result in potential impacts to air quality by lowering the attainment status, conflicting with adopted air quality policies and programs, or violating approved standards	NUA	NUA	LSM	LSM	PS/SU	LTS	LTS
<p>Notes:</p> <p>Alternative Comparisons: 1 - CEQA Yuba Accord Alternative Compared to the CEQA No Project Alternative (Water Rights) 2 – CEQA Modified Flow Alternative Compared to the CEQA No Project Alternative (Water Rights) 3 – CEQA Yuba Accord Alternative Compared to the CEQA Existing Condition (CEQA) 4 – CEQA Modified Flow Alternative Compared to the CEQA Existing Condition (CEQA) 5 – CEQA No Project Alternative Compared to the CEQA Existing Condition (CEQA) 6 – NEPA Yuba Accord Alternative Compared to the NEPA No Action Alternative (NEPA) 7 – NEPA Modified Flow Alternative Compared to the NEPA No Action Alternative (NEPA)</p> <p>^(a)Level of Effect (Water Rights) NUA = Not Unreasonably Affect UA = Unreasonably Affect</p> <p>^(b)Level of Significance (CEQA/NEPA) B = Beneficial NI = No Impact LTS = Less Than Significant Impact LSM = Less Than Significant Impact with Mitigation Measures Incorporated PS = Potentially Significant Impact (no mitigation identified) SU = Significant Unavoidable Impact (no mitigation feasible at this time)</p> <p>Notes: NR = None Required NA = Not Applicable</p>								

Table 1-3. Summary of Potentially Significant Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS

Potential Impacts Evaluated for the Resources Addressed in the EIR/EIS		Alternatives Comparisons						
		1	2	3	4	5	6	7
		CEQA Accord vs. No Project ^(a)	CEQA Modified vs. No Project ^(a)	CEQA Accord vs. Existing ^(b)	CEQA Modified vs. Existing ^(b)	CEQA No Project vs. Existing ^(b)	NEPA Accord vs. No Action ^(b)	NEPA Modified vs. No Action ^(b)
Power Production and Energy Consumption (Chapter 7)								
Yuba Region	Shift in long-term average monthly hydropower generation at New Colgate, Narrows I and II powerhouses	NUA	NUA	LTS	PS	PS	LTS	LTS
	Increases in long-term average annual power consumption for groundwater pumping within YCWA Member Units service areas	UA	NUA	PS	PS	PS	PS	LTS
Fisheries and Aquatic Resources (Chapter 10)								
Yuba Region	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect spring-run Chinook salmon	NUA	UA	B	LTS	LTS	LTS	PS
	Changes in monthly mean flows in the lower Yuba River, or changes in monthly mean water temperatures, could affect fall-run Chinook salmon	NUA	UA	B	LTS	LTS	LTS	PS
<p>Notes:</p> <p><u>Alternative Comparisons:</u> 1 - CEQA Yuba Accord Alternative Compared to the CEQA No Project Alternative (Water Rights) 2 – CEQA Modified Flow Alternative Compared to the CEQA No Project Alternative (Water Rights) 3 – CEQA Yuba Accord Alternative Compared to the CEQA Existing Condition (CEQA) 4 – CEQA Modified Flow Alternative Compared to the CEQA Existing Condition (CEQA) 5 – CEQA No Project Alternative Compared to the CEQA Existing Condition (CEQA) 6 – NEPA Yuba Accord Alternative Compared to the NEPA No Action Alternative (NEPA) 7 – NEPA Modified Flow Alternative Compared to the NEPA No Action Alternative (NEPA)</p> <p>^(a)Level of Effect (Water Rights) NUA = Not Unreasonably Affect UA = Unreasonably Affect</p> <p>^(b)Level of Significance (CEQA/NEPA) B = Beneficial NI = No Impact LTS = Less Than Significant Impact LSM = Less Than Significant Impact with Mitigation Measures Incorporated PS = Potentially Significant Impact (no mitigation identified) SU = Significant Unavoidable Impact (no mitigation feasible at this time)</p> <p>Notes: NR = None Required NA = Not Applicable</p>								

Table 1-4. Summary of Potential Cumulative Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS

Potential Cumulative Impacts for the Resources Addressed in the EIR/EIS	Yuba Accord Alternative Cumulative Condition vs. Existing Condition	Modified Flow Alternative Cumulative Condition vs. Existing Condition
Beneficial/Less-than Significant Impacts		
Groundwater Resources (Chapter 6)		
Potential for cumulative groundwater resources impacts within the Yuba Region	LTS	LTS
Flood Control (Chapter 8)		
Potential for cumulative flood control impacts within the Yuba Region	LTS	LTS
Potential for cumulative flood control impacts within the CVP/SWP Upstream of the Delta Region	LTS	LTS
Potential for cumulative flood control impacts within the Delta Region	LTS	LTS
Potential for cumulative flood control impacts within the Export Service Area	LTS	LTS
Surface Water Quality (Chapter 9)		
Potential for cumulative water quality impacts within the Yuba Region	LTS	LTS
Potential for cumulative water quality impacts within the Export Service Area	LTS	LTS
Fisheries and Aquatic Resources (Chapter 10)		
Potential for cumulative fisheries and aquatic resources impacts within the Yuba Region	B	B
Potential for cumulative fisheries and aquatic resources impacts within the Export Service Area	LTS	LTS
Terrestrial Resources (Chapter 11)		
Potential for cumulative terrestrial resources impacts within the Yuba Region	LTS	LTS
Potential for cumulative terrestrial resources impacts within the Export Service Area	LTS	LTS
Recreation (Chapter 12)		
Potential for cumulative recreation impacts within the Yuba Region	LTS	LTS
Potential for cumulative recreation impacts within the Export Service Area	LTS	LTS
Visual Resources (Chapter 13)		
Potential for cumulative visual resources impacts within the Yuba Region	LTS	LTS
Potential for cumulative visual resources impacts within the CVP/SWP Upstream of the Delta Region	LTS	LTS
Potential for cumulative visual resources impacts within the Delta Region	LTS	LTS
Potential for cumulative visual resources impacts within the Export Service Area	LTS	LTS
Cultural Resources (Chapter 14)		
Potential for cumulative cultural resources impacts within the Yuba Region	LTS	LTS
Potential for cumulative cultural resources impacts within the CVP/SWP Upstream of the Delta Region	LTS	LTS
Potential for cumulative cultural resources impacts within the Delta Region	LTS	LTS
Potential for cumulative cultural resources impacts within the Export Service Area	LTS	LTS
Land Use (Chapter 16)		
Potential for cumulative land use impacts within the Yuba Region	LTS	LTS

Table 1-4. Summary of Potential Cumulative Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Cumulative Impacts for the Resources Addressed in the EIR/EIS	Yuba Accord Alternative Cumulative Condition vs. Existing Condition	Modified Flow Alternative Cumulative Condition vs. Existing Condition
Beneficial/Less-than Significant Impacts (continued)		
Socioeconomics (Chapter 17)		
Potential for cumulative socioeconomic impacts within the Yuba Region	NI	NI
Growth Inducement (Chapter 18)		
Potential for cumulative growth inducing impacts within the Yuba Region	NA	NA
Environmental Justice (Chapter 19)		
Potential for cumulative environmental justice impacts within the Yuba Region	NI	NI
Indian Trust Asses (Chapter 20)		
Potential for cumulative environmental impacts on Indian Trust Assets within the Yuba Region	NI	NI
Potential for cumulative environmental impacts on Indian Trust Assets within the CVP/SWP Upstream of the Delta Region	NI	NI
Potential for cumulative environmental impacts on Indian Trust Assets within the Delta Region	NA	NA
Less than Significant Impacts With Mitigation Measures Incorporated		
Air Quality (Chapter 15)		
Potential for cumulative air quality impacts within the Yuba Region	LSM	LSM
Potentially Significant Impacts		
Surface Water Supply and Management (Chapter 5)		
Potential for cumulative surface water supply and management impacts within the Yuba Region	PSU	PSU
Potential for cumulative surface water supply and management impacts within the Delta Region	PSU	PSU
Potential for cumulative surface water supply and management impacts within the Export Service Area	PSU	PSU
Power Production and Energy Consumption (Chapter 7)		
Potential for cumulative hydropower impacts within the Yuba Region	PSU	PSU
Potential for cumulative hydropower impacts within the CVP/SWP Upstream of the Delta Region	PSU	PSU
Potential for cumulative hydropower impacts within the Delta Region	PSU	PSU
Potential for cumulative hydropower impacts within the Export Service Area	PSU	PSU
Surface Water Quality (Chapter 9)		
Potential for cumulative water quality impacts within the CVP/SWP Upstream of the Delta Region	PSU	PSU
Potential for cumulative water quality impacts within the Delta Region	PSU	PSU
Fisheries and Aquatic Resources (Chapter 10)		
Potential for cumulative fisheries and aquatic resources impacts within the CVP/SWP Upstream of the Delta Region	PSU	PSU
Potential for cumulative fisheries and aquatic resources impacts within the Delta Region	PSU	PSU

Table 1-4. Summary of Potential Cumulative Impacts Identified in the Proposed Lower Yuba River Accord EIR/EIS (continued)

Potential Cumulative Impacts for the Resources Addressed in the EIR/EIS	Yuba Accord Alternative Cumulative Condition vs. Existing Condition	Modified Flow Alternative Cumulative Condition vs. Existing Condition
Potentially Significant Impacts (continued)		
Terrestrial Resources (Chapter 11)		
Potential for cumulative terrestrial resources impacts within the CVP/SWP Upstream of the Delta Region	PSU	PSU
Recreation (Chapter 12)		
Potential for cumulative recreation impacts within the CVP/SWP Upstream of the Delta Region	PSU	PSU
Potential for cumulative recreation impacts within the Delta Region	PSU	PSU
<u>Level of Significance (CEQA/NEPA)</u> B = Beneficial NI = No Impact LTS = Less Than Significant Cumulative Impact PSU = Potentially Significant Unavoidable Cumulative Impact LSM = Less Than Significant Cumulative Impact with Mitigation Measures Incorporated NA = Not Applicable		