

## Work Plan for Fiscal Year 2003

I. Program Title. CVPIA Section 3406 (b)(9) Flow Fluctuation and 3406 (b)(19) Reservoir Storage

II. Responsible Entities

	Agency	Staff Name	Role
Lead	USBR	Ann Lubas-Williams	Program Manager
	USBR	Peggy Manza	Engineer
	USBR	Thuy Nguyen	Engineer
Co-Lead	USFWS	Roger Guinee	Program Manager
	USFWS	Andy Hamilton	Biologist

III. Program Objectives for FY 2003

The program objectives for flow fluctuation (b)(9) are enumerated below. There is currently no funding specifically for reservoir storage (b)(19). Reservoir storage is currently considered through 3406(b)(2) studies for dedication and management of project yield. The source documents for these objectives are noted and their relationship, if any, to the CALFED Program Ecosystem Restoration Program Implementation Plan. The program objectives have been cross-referenced against the actions the program will undertake in FY02 in Section VI below.

A American River develop and implement a program to eliminate, to the extent possible, losses of anadromous fish (steelhead and fall-run chinook salmon) due to flow fluctuations caused by the operation of Folsom dam. Have monthly American River Operations Work Group meetings to discuss flow in the rivers and temperature model results.

B Stanislaus River develop and implement a program to eliminate, to the extent possible, losses of anadromous fish (steelhead and fall-run chinook salmon) due to flow fluctuations caused by the operation of New Melones dam. Have Stanislaus River Group meetings to discuss flow in the rivers and temperature model runs.

IV. Status of the Program

The intent of CVPIA 3406(b)(9) is to develop and implement a program to eliminate, to the extent possible, losses of anadromous fish due to flow fluctuations caused by the operation of any Central Valley Project (CVP) storage or re-regulating facility. The program shall be patterned where appropriate after the agreement between the California Department of

Water Resources (DWR) and the California Department of Fish and Game (CDFG) with respect to the operation of the California State Water Project Oroville Dam complex.

The preliminary draft of the American River flow fluctuation study by CDFG on salmon and steelhead in the lower American River, 1996-2000 was completed April 11, 2001. The final report was sent out December 11, 2001. We still have monthly meetings to discuss the flows on the lower American River.

The Stanislaus River flow fluctuation study was started in 1999 and is currently ongoing. The draft report is due in calendar year 2002 with a final report in early 2003.

The intent of CVPIA 3406 (b)(19) is to reevaluate existing operational criteria in order to maintain carryover storage at Sacramento and Trinity River reservoirs to protect and restore the anadromous fish of the Sacramento and Trinity Rivers in accordance with the mandates and requirements of this subsection and subject to the Secretary's responsibility to fulfill all project purposes, including agricultural water delivery.

Under 3406 (b)(2) the reservoir storages are maintained. In FY03 there will be a new supplemental EIS for the Trinity River which will look at impacts to the Sacramento River.

#### V FY 2002 Accomplishments

Reclamation has a cooperative agreement with CDFG to conduct a literature review and conduct appropriate field investigations to incorporate in a report with recommended operating criteria. The American River has a final report from CDFG dated November 2001. The Stanislaus River studies currently are in progress, expect a draft by end of calendar year 2002.

The American River Operations Work Group continues to meet monthly to discuss both the American River operations and to discuss the work to determine threshold flows and ramping rates required to protect Lower American fishery resources. In August 2002 a week long meeting was held entitled "Lower American River Flow Fluctuation Study Value Analysis Workshop" sponsored by Reclamation. A report including a complete list of proposals will be out soon.

The Stanislaus River Group does not hold a regularly scheduled meetings. During the Vernalis Adaptive Management Plan in April and May there are more regular discussions about the flows.

#### VI. Tasks, Costs, Schedules and Deliverables.

##### A Narrative Explanation of Tasks

1. Program Management. Reclamation and the Service Program Managers have different responsibilities. Reclamation worked the contracts with CDFG. The Service will coordinate with CDFG monitoring on the rivers.
2. American River - American River Operations Work Group meetings. The

American River has a monthly meeting to discuss the flows in the lower river. USFWS will coordinate monitoring and report at the meetings.

Temperature modeling. Reclamation is responsible for the temperature modeling for the lower American River.

3. Stanislaus River - Stanislaus River Group meetings. Periodically Stanislaus River meetings are held. The Service will coordinate monitoring and report at the meetings.
- 4 Temperature modeling. When there are Stanislaus River Group meetings, temperature models are also reviewed.

**B. Schedule and Deliverables**

#	Task	Dates		
		Start	Complete	
1	Program Management	10/01/02	09/30/03	This includes some monitoring on either river.
2.1	American River Operations Work Group	10/01/02	09/30/03	Continue working meetings to review operations and get the flow fluctuation minimized on the river.
2.2	American River Temp. Modeling	10/01/02	09/30/03	Provide monthly modeling of the flows, check temperatures.
3.1	Stanislaus River Group Meetings	10/01/02	09/30/03	Continue working meetings and get a draft flow fluctuation study.
3.2	Stanislaus River Temp Modeling	10/01/02	09/30/03	Provide periodic modeling of the flows, check temperatures.

**C. Summary of Program Costs and Funding Sources.**

#	Task	Total Cost
1	Program Management (Total)	\$0
2.1	American River Operations Work Group	\$20.000
2.2	American River Temp Modeling	\$10.000
3.1	Stanislaus River Group	\$15.000
3.2	Stanislaus River Temp Modeling	\$5.000
	<b>Total Program Budget</b>	<b>\$50,000</b>

D. CVPI A Program Budget

#	Task	FTE	Direct Salary and Benefits Costs	Contract Costs	Misc. Costs	Admin Costs	Total Costs
1	Program Management (Total)						
2.1	American River Working Group	0.20	\$20,000	\$0	\$20,000		<b>\$20,00</b>
2.2	American River Temp Modeling	0.10	\$10,000	\$0	\$10,000		<b>\$10,000</b>
3.1	Stanislaus River Working Group	0.10	\$15,000	\$0	\$15,000		<b>\$15,000</b>
3.2	Stanislaus River Temp Modeling	0.05	\$5,000	\$0	\$5,000		<b>\$5,000</b>
	<b>Total by Category</b>	<b>0.0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>		<b>\$50,000</b>

VII. Future Years Commitments/Actions

The program has funds in the future years to continue studies of the rivers and their flows during different operations. We have had several wet years, an above normal year and two dry years so far. Hopefully in the future we will have some different year types to show a change in operations.