Work Plan for Fiscal Year 2002

February 6, 2002

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	Dave Read	Engineer
Co-Lead	USFWS	Roger Guinee	Program Manager
	USFWS	Andy Hamilton	Biologist

III. Program Objectives for FY 2002.

The program objectives for flow fluctuation (b)(9) are enumerated below. There is currently no funding specifically for reservoir storage (b)(19), 3406 (b)(2) studies for dedication, and management of project yield consider reservoir storage.

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 Fiscal Year 02 (FY) 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 meetings to discuss flow in the rivers and temperature model runs.

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 meetings to discuss flow in the rivers and temperature model runs.

IV. Status of the Program.

Definition of CVPIA 3406 (b)(9): 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 storage or re-regulating facility. The program shall be patterned where appropriate after the agreement between the California Department of Water Resources and the California Department of Fish and Game (CDFG) with respect to the operation of the California State Water Project Oroville Dam complex.

The American River flow fluctuation study by CDFG on salmon and steelhead in the lower American River, 1996-2000 has been in preliminary draft dated 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. Draft report is due in 2002.

Definition of CVPIA 3406 (b)19): re-evaluate 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 FY02 there will be a new supplemental Environmental Impact Statement (EIS) for the Trinity River which will look at impacts to the Sacramento River.

V. FY 2001 Accomplishments.

United States Bureau of Reclamation (USBR) 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.

A working group continues to meet regularly 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.

The Stanislaus River doesn't have a regularly scheduled meeting like the American River. . 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. The USBR and Fish and Wildlife Service (USFWS) Program Managers have different responsibilities. USBR worked the contracts with CDFG. While USFWS will be coordinating with CDFG monitoring on the rivers.

2 American River

2.1 Working 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.

2.2 Temperature modeling. USBR does the temperature modeling for the lower American River.

3 Stanislaus River

3.1 Working Group meetings. Periodically there are Stanislaus River meetings. USUSFWS will coordinate monitoring and report at the meetings.

3.2 Temperature modeling. When there are Stanislaus River meetings then there are also temperature models to review.

B Schedule and Deliverables.

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

Explanatory Notes:

C. Summary of Program Costs and Funding Sources.

#	Task	Total Cost	Funding Sources		
			RF		
1	Program Management	$ 0	$ 0	$ 0	$ 0
2.1	American River Working Group	$ 30	$ 30	$ 0	$ 0
2.2	American River Temp Modeling	$ 10	$ 10	$ 0	$ 0
3.1	Stanislaus River Working Group	$ 5	$ 5	$ 0	$ 0
3.2	Stanislaus River Temp Modeling	$ 5	$ 5	$ 0	$ 0
Total Program Budget		$ 50	$ 50	??	??

Explanatory Notes:

D. CVPIA Program Budget.

#	Task	FTE	Direct Salary and Benefits Costs	Administrative Costs	USBR subtotal	USFWS subtotal	Total Costs
	Program	0.0	$ 0	$ 0	$0		$ 0
	American River	0.2	$ 30,000	$ 0	$30,000		$30,000
	American River	0.1	$ 10,000	$ 0	$10,000		$10,000
	Stanislaus River	0.1	$ 5,000	$ 0	$5,000		$ 5,000
	Stanislaus River	0.0	$ 5,000	$ 0	$5,000		$ 5,000
		0.0	$ 0	$ 0			$ 0
		0.0	$ 0	$ 0			$ 0
	Total by	0.0	$50,000	$ 0	$50,00		$50,000

Explanatory Notes:

E. Quarterly Obligation/Expenditures.

#	Task	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1	Program Management	$ 0.00	$ 0.00	$ 0.00	$ 0.00
2.1	American	$ 10,000.00	$ 10,000.00	$ 10,000.00	$ 10,000.00
3.1	Stanislaus	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00
Total CVPIA Budget by Quarter		**$ 12,500.00**	**$ 12,500.00**	**$ 12,500.00**	**$ 12,500.00**

Explanatory Notes: Numbers in thousands of dollars.

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 a dry year so far. Hopefully in the future we will have some different year types to show a change in operations.