

September 30. 2006
Work Plan for Fiscal Year 2007

I Hamilton City Pumping Plant Fish Facility CVPIA § 3406 (b)(20)

II Responsible Entities:

	Agency	Staff Name	Role
Lead	USBR	Lauren Carly	Program Manager
Co-Lead	USFWS	Aondrea Leigh-Bartoo	Program Manager

III Program Objectives for FY 2007:

- A. Elimination of loss or damage to fish in the Sacramento River at Hamilton City (all species from water diversion at GCID's Hamilton City Pumping Plant.

- B. Permit GCID to divert up to 3,000 cfs from the Sacramento River under their allocations, rights and contracts, including providing long-term capability to divert water for the Sacramento NWR complex to maintain existing habitat for significant species.

- C. Construct a fish passage facility that will have at least a 50-year functional life.

Source Documents:

EIR/EIS for the Hamilton City Pumping Plant Fish Screen Improvement Project

BIOLOGICAL OPINIONS

1. Fish and Wildlife Service Amended Biological Opinion and Conferences Opinion on the Hamilton City Pumping Plant Fish Screen Improvement Project, Glenn County, California. March 11, 1998

2. Department of fish and Game ("DFG") Biological Opinion. April 21, 1998

3. National Marine Fisheries Service Biological Opinion (Endangered Sacramento River Winter-run chinook salmon and the threatened Central Valley steelhead) March 25, 1998

RECORD OF DECISION'S and NOTICE OF DETERMINATION'S

1. Glenn-Colusa Irrigation District; Notice of Determination. June 19, 1998

2. Bureau of Reclamation Record of Decision. March 26, 1998

3. Department of Fish and Game Notice of Determination. May 20, 1998

4. Corps of Engineers; Record of Decision for 404 Permit. April 24, 1998

5. Corps of Engineers; Record of Decision for the Gradient Facility

PERMITS

1. Notice Tentative Waste Discharge Requirements for Glenn-Colusa Irrigation District Fish Screen Improvement Project Glenn and Tehama Counties. California Regional Water Quality Central Board, Central Valley Region.
June 22, 1998
2. Section 404, Clean Water Act and Section 10 Rivers and Harbors Act, 1899, Corps of Engineers. June 5, 1998
3. 1601 Stream Bed Alteration Permit; (Not Available)
4. Reclamation; Reclamation Board, May 22, 1998. Board Permit

GUIDANCE MANUAL Fish Protection Evaluation and Monitoring Program, adopted January 30, 2001, as amended by the Testing Oversight Committee (Evaluation Committee).

IV Status of the Program:

In 1991 the National Marine Fisheries Service, pursuant to the Endangered Species Act (ESA), enjoined the Glenn-Colusa Irrigation District (GCID) from pumping from the Sacramento River during the peak downstream winter-run Chinook salmon migration. The injunction was settled with a stipulation that reduced GCID's diversion until a long-term effective fish screen system is built.

The project, agreed to by the eight cooperating agencies on December 18, 1996, consists of extending the upgrading the existing fish screen and improving its bypass system, and installing a Gradient Restoration Facility (GRF) in the river.

The planning phase was completed in 1997 for about \$14 million. Construction began in FY 1998. Construction of the facility was completed in spring 2001 at a cost of \$48 million. This completes about 82% of objectives A, B and C, above. The biological and hydraulic testing and monitoring program, started in the summer of 2001, and is underway to determine to what degree the facility is meeting the objectives. A minimum of 20 parameters were identified for testing and monitoring during this testing period.

At the end of FY-2006 the planned funding will be 99.7% complete and the schedule will be 88% complete for the total project. The project is scheduled to be transferred to operations and maintenance status by October 1, 2008, if the testing program shows the facility meeting the objectives A, b and C above. This will also allow for final accounting and audit and close out of the entire project.

The principal effort in FY2007 is to complete the testing and monitoring program. Of the \$58,000 proposed for FY 2007, over \$20,000 is for the testing program. GCID will contribute \$50,000 to the testing program. Problems with designing, building and operating a facility to capture a sufficient amount of test fish extended the testing program by several years. Other problems with obtaining suitable small Chinook fry during the important summer test times and measuring the approach velocity at the screen face also extended the

testing program. FY 2006 is the third year that suitable size test fry, of the acceptable species, have been available. The requirement is to collect at least three years of acceptable data for each of the testing parameters. The team added another testing parameter in FY-2006 to determine the number of test fish lost due to predation in the bypass channel.

To date, the mechanics of measuring approach velocity at the upstream face of the screen, per NMFS requirements, are yet to be successful. Multiple tests at the site and in the Reclamation Technical service Center's Hydraulics Lab appear to have solved the problem. The balance of the proposed FY 2007 budget is for contract and project management.

V. FY 2006 Accomplishments

The testing program continued as planned. The sixth year of hydraulic testing and the fifth year of biological testing were completed as planned. During FY-06 all elements of the facility met the hydraulic requirements.

FY 2006 was the third year that salmon fry were able to be used for the biological testing. At least one more year of Salmon fry data will be collected to determine the effect predation is having on fry survival.

VI. Tasks, Costs, Schedules and Deliverables: Patricia, please cut and past from last year. I can't get a word file from the web site and at 8:00 pm I am not likely to type all of this in. I know the web site is not your problem but it is mine.

A Narrative Explanation of Tasks.

1. Program and Project Management
 - 1.1_Program Management Responsibilities (Budgets, Funding, Expenditures)
 - 1.2_Project Management Responsibilities (Team Meetings)
 - 1.3_Contracting Officer's Technical representative on two contracts
- 2 Fish Screen System Testing
 - 2.1 Hydraulic Testing and Reporting
 - 2.2 Biological Testing and Reporting
- 3 Revise Draft of the Operation and Maintenance Manual
- 4 Complete Construction Record Drawings and Transmit to GCID
- 5 Modify the Fish Screen Facility if Tests Deemed Necessary

B. Schedule and Deliverables.

#	Task	Dates		Deliverable
		Start	Complete	
1	Program and Project Management	10/01/06	09/30/07	Budgets, Expenditure tracking Sheets, Total Project Cost work sheets, Meeting Notes, Pay Voucher Certifications
2	Fish Screen System Testing	10/01/06	09/30/07	2006 status reports, draft and final testing program reports and Testing Oversight Committee meetings
3	Revise Draft O&M Manual	10/01/06	09/30/07	Revised Draft O&M Manual based on findings from testing program

Explanatory Notes: None

C. Summary of Program Costs and Funding Sources.

#	Task	Total Cost	Funding Sources	
			W&RR	RF
1	Program and Project Management	\$36,000	\$36,000	
2	Fish Screen System Testing	\$20,000	\$20,000	
3	Revise Draft O&M Manual	\$2,000	\$2,000	
Total Program Budget		\$58,000	\$58,000	

Explanatory Notes:

Additional Program Needs.

			Additional Funding Need
#	Task	Total Cost	CVPIA
Total Additional Funding Needs		\$0	\$0

Explanatory Notes: None.

D. CVPIA Program Budget.

#	Task	FTE	Direct Salary and Benefits Costs	Contracts Costs	Miscellaneous Costs	Administrative Costs	Total Costs
1	Program and Project Management						
	BOR	0.5	47000	0	0		47000
2	Fish Screen System Testing		5,000				
	BOR	0.4	4,000		0		5000
	FWS	0.3		0			4000
3	Revised Draft O&M Manual	0.1	2000	0	0		2000
	Total Program Budget		58000				58000

Explanatory Notes: None

E. Future Program Budget Needs

#	Task	FY 2007	FY 2008
1	Program and Project Management	\$36,000	\$ 36,000
2	Fish Screen System Testing	\$20,000	0
3	Revise Draft O&M Manual	\$ 2,000	\$12,000
	Total	\$ 58,000	\$ 58,000