

Draft CVPIA Fiscal Year 2011 Annual Work Plan

January 31, 2011

Program Title

San Joaquin River Comprehensive Plan – CVPIA Section 3406(c)(1)

Responsible Entities

Staff Name	Agency	Role
Jason Phillips	Reclamation	Program Lead
Steven Detwiler	USFWS	Program Co-Lead

Program Goals and Objectives for FY 2011

- A. Develop a comprehensive plan to reestablish and sustain naturally reproducing salmon in the San Joaquin River below Friant Dam, consistent with the September 13, 2006 Stipulation of Settlement (Settlement) for *Natural Resources Defense Council v. Rodgers* and with Section 3406(c)(1).**

Continue Interim Flow Releases from Friant Dam – Continue Interim Flow releases from Friant Dam through September 2011 to collect a range of information regarding river and channel characteristics, including flows, temperatures, fish needs, seepage losses, and water recirculation, recapture and reuse. Continue with implementation of associated mitigation and monitoring efforts related to the Interim Flow releases including the installation of additional shallow groundwater wells to monitor shallow groundwater conditions in response to flows. Preparation and release of an Annual Technical Report for the Spring 2010 Pulse flows.

Complete the Program Environmental Impact Statement/Report (PEIS/R) – Complete the **Draft and** Final PEIS/R and release them to the public. Complete and sign the PEIS/R Record of Decision (ROD). The PEIS/R provides the project-level National Environmental Policy Act (NEPA) compliance necessary to implement the Settlement’s long-term Interim and Restoration flows and provides program-level NEPA compliance for all other Settlement-related actions. Begin implementation of the flow-related mitigation measures in the PEIS/R including the following: the conservation strategy to avoid, reduce, mitigation, or compensate for flow-related impacts to special-status species; the Seepage Monitoring and Management Plan intended to avoid or mitigate the impacts of groundwater seepage on adjacent agricultural lands and levee stability; and the flood mitigation strategy intended to improve channel conveyance capacities and reduce the potential for direct and indirect flooding impacts.

Fisheries Management and Reintroduction Activities –Provide fisheries technical review of San Joaquin River Restoration Program (SJRRP) documents and activities. Provide fisheries related technical information and coordination on fisheries-related topics with the Implementing Agencies (Reclamation, USFWS, NMFS, and the State of California through the Department of Water Resources and Department of Fish and Game), the San Joaquin River Restoration Program Technical Advisory Committee and the Restoration Administrator, the parties to the Settlement, and SJRRP related working groups and subgroups. Plan and implement monitoring as described in the Fisheries Management Plan including coordination with the SJRRP Annual Technical Reporting requirements. Provide modeling support, including the use of and updates to the version of the Ecosystems Diagnostics and Treatment modeling tool developed for the SJRRP efforts, for site specific alternatives evaluation, stock selection justification, and other fisheries needs of the SJRRP activities. Continue to develop and implement the Adaptive Management Process outlined in the Fisheries Management Plan. Lead the Fisheries Management Work Group activities and provide technical input to sub-groups of the Work Group, including the Genetics Subgroup.

Environmental Review and Engineering for Site-specific Projects – Continue with planning, environmental compliance documentation, and appraisal-level design required to implement the Phase 1, highest priority channel and structural improvement actions called for in Paragraph 11(a) of the Settlement. This activity includes the completion of a variety of field surveys and investigations necessary to support permitting / environmental compliance needs and to complete detailed designs for the channel and structural improvement projects. The last Phase 1 channel and structural improvement project, the Salt and Mud Slough Seasonal Barriers Project, will be initiated in FY 2011.

Continue Development and Implementation of Water Management Goal Actions – Continue development of Water Management actions, including implementation of Settlement Paragraph 16(a) actions, finalization of guidelines for local assistance for groundwater banking projects consistent with Public Law 111-11 and implementation of the water management alternative for recapture, recirculation, and reuse selected in the PEIS/R ROD. Completion of Restoration Flow Guidelines as directed in Settlement Paragraph 16. Completion of feasibility studies and final design for the Friant-Kern and Madera Canal Capacity Correction Project and the Friant-Kern Canal Reverse Flow Project. Completion of 16(b) accounting procedures.

Continue Public/Stakeholder Involvement Process – Appropriate public and stakeholder involvement and outreach will be conducted to support current and upcoming projects and activities. Outreach objectives for FY 2011 include:

- Conduct extensive outreach and notifications related to Interim Flow releases from Friant Dam, including posting information on the SJRRP web site at www.restoresjr.net.
- Conduct any NEPA related outreach activities to support the release of the Draft and Final PEIS/R and the Record of Decision.

- Support site-specific projects through discussions and updates at landowner meetings and Technical Feedback Group public meetings, as well as any NEPA-required activities at significant milestones in the processes.
- Continue to involve interested public members in Water Management Goal actions through the Water Management Technical Feedback Group (WMTFG) public meetings and related materials and information posted on the WMTFG website page.
- Cooperate with the Water Education Foundation to conduct the third public San Joaquin River Restoration Tour in October 2010 exclusively highlighting the projects and challenges related to restoring the San Joaquin River.

Status of the Program

In 1988, a coalition of environmental groups, led by the Natural Resources Defense Council (NRDC), filed a lawsuit challenging Reclamation's renewal of the long-term water service contracts between the United States and the Central Valley Project, Friant Division contractors. On September 13, 2006, the Settling Parties (United States, NRDC, and Friant Water Users Authority) lodged a Stipulation of Settlement that provides for a "Restoration Goal" and a "Water Management Goal". On October 23, 2006, the Court approved the Stipulation of Settlement. Legislation authorizing the implementation of the Settlement (Public Law 111-11) was signed into law on March 30, 2009. The San Joaquin River Restoration Program (SJRRP or Program) will implement the Settlement consistent with Public Law 111-11 and CVPIA Section 3406(c)(1).

As part of the Performance Assessment and Rating Tool process in 2006, the CVPIA Fisheries Independent Review Panel recommended a number of processes to improve efforts to double anadromous fish in the Central Valley. These recommendations included the development of conceptual models to form the basis of restoration actions, the use of quantitative modeling tools to help identify actions, and the development of transparent decision processes and documents. The draft Fisheries Management Plan completed by the Program in June 2009 fulfills many of the recommendations by the Independent Review Panel including the use of conceptual models, quantitative modeling tools, and a clear decision matrix. The June 2009 version of the Draft Fisheries Management Plan was released for agency and public review and is currently being updated based on comments received. It is at the final edits stage, and the updated document is anticipated to be released in Winter 2010.

FY 2010 Accomplishments

Began Interim Flow Releases from Friant Dam – Interim Flow releases from Friant Dam began on October 1, 2009, meeting the Settlement-mandated deadline for these initial flow releases. As part of the Interim Flow Program, the Implementing Agencies, including Reclamation, USFWS, NMFS, and the State of California are conducting a variety of study and monitoring efforts related to flows, temperature,

fish needs, seepage losses, recirculation, recapture, and reuse. These activities have included the installation of more than 90 shallow groundwater monitoring wells to monitor shallow groundwater conditions in response to flows. Reclamation and USFWS have worked to keep project stakeholders and the public informed of progress of the flow releases through the SJRRP website at www.restoresjr.net. The Fall 2009 Annual Technical Report (ATR) was released with data collected from October 1 to November 30, 2009. The Draft ATR for Spring 2010 was released in August 2010.

In the first year of Interim Flows, Reclamation was able to return approximately 42,000 acre-feet of water back to the Friant Division water contractors through the recapture and recirculation process being developed, and deliver more than 80,000 acre-feet of uncontrolled flows to them as stipulated in the Settlement when conditions warrant.

Completed Significant Milestones Towards the PEIS/R – Continued progress was made towards the completion of the PEIS/R. A Draft PEIS/R is anticipated to be released for public review in late 2010.

Fisheries Management and Reintroduction Activities – Continued progress was made in developing fisheries management and reintroduction activities as follows:

- Updated Fisheries Management Plan in response to comments is anticipated to be released in Winter 2010.
- Completed the Fisheries Implementation Plan and released it to the public. The Fisheries Implementation Plan provides a prioritized list of actions and studies necessary to inform fish reintroduction by 2012.
- .
- Completed the 10(a)1(A) permit application to NMFS.
- Completed the preparation of an Ecosystem Diagnostic and Treatment (EDT) model for the upper San Joaquin River. The EDT model will help inform future fisheries-related decisions.
- Completed a report on the temperature studies conducted for the Fall 2009 Interim Flows.
- Conducted the field work necessary for a qualitative habitat assessment during Interim Flows and worked toward preparation of a report documenting the findings.

Environmental Review and Engineering for Site-specific Projects – Progress was made on the planning, environmental compliance documentation, and appraisal-level design efforts required to implement the Phase 1, highest priority channel and structural improvement actions called for in Paragraph 11(a) of the Settlement. The projects currently underway and the progress made for each project is described below.

- Mendota Pool Bypass and Reach 2B Channel Improvements Project – The Scoping Report for the project was released to the public in February 2010, the

Initial Options Technical Memorandum in April 2010, and the Existing Environmental Conditions Data Needs and Survey Approach Technical Memorandum in March 2010.

- Reach 4B, Eastside Bypass, and Mariposa Bypass Low Flow Channel and Structural Improvements Project – The Scoping Report for the project was released to the public in February 2010. An additional scoping meeting on a revised project description will be held in December 2010. The Initial Concepts Technical Memorandum and the Data Needs and Survey Approach Technical Memorandum are expected to be released in early 2011.
- Arroyo Canal Fish Screen and Sack Dam Fish Passage Project – Reclamation is currently working with the local sponsor for this project, the Henry Miller Reclamation District, to begin the planning, environmental compliance documentation, and appraisal-level design efforts.

Continued Development and Implementation of Water Management Goal

Actions – Continued development of Water Management actions, including implementation of Settlement Paragraph 16(a) actions, and developing draft guidelines for local assistance for groundwater banking projects consistent with Public Law 111-11 and release of the draft guidelines for public review. Completion of a canal capacity correction assessment for the Friant-Kern and Madera Canal Capacity Correction Project and continued development of alternatives for the Friant-Kern Canal Reverse Flow Project.

Continued Public/Stakeholder Involvement Process –The SJRRP includes a variety of public outreach activities intended to create an open and transparent process. The general public, stakeholders, affected downstream water and land interests, and other interested parties can participate in these activities to keep track of Program activities and progress, and give input in identifying potential program issues and the formulation of alternatives. Outreach activities in 2010 included:

- Held Technical Feedback Group public meetings in support of the Water Management Work Group and the Restoration Goal. These meetings assist Program staff in soliciting input and provide an open and transparent process during Program development and implementation.
- Held landowner meetings to continue coordination with landowners on a variety of topics that may affect private property, including Interim Flows, installation of monitoring equipment, and the Phase 1 channel and structural improvements projects.
- Prepared and distributed Field Advisories as well as post them on the Program website to inform landowners of upcoming field activities and the timeframes.
- Developed and distributed Program information, to include postings on the Program website, that include a quarterly Program Update, fact sheets, press releases, an annual report, and any additional materials in support of Interim Flows.
- Continued coordination of a comprehensive Temporary Entry Permit with local landowners, including the San Joaquin River Resource Management Coalition,

allowing the Program to conduct pre-construction surveys and investigations on private property.

- Maintained and updated the Program website used as the primary vehicle for disseminating information to a wide range of stakeholders and the public.
- Provided real-time flow and groundwater monitoring data from the Interim Flow releases to the public via the State of California's Data Exchange Center and weekly reports on groundwater elevations in certain wells on the SJRRP website at www.restoresjr.net.

Table 1. FY 2011 Activities and Costs

AWP Activity Number	Type of Activity	# of FTEs	Activity Name & Description	NMFS OCAP RPA#	Performance Metric	Performance Target	Complete this FY? Y/N	Total Project Cost	FY2011 Anticipated Funding				
									Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources	
1.1	Program Management												
1.1.1			Program Management; (Reclamation); Responsible for overseeing the implementation of the Settlement and providing overall direction for the Five Agency implementation process.				Y	\$0	\$0	\$0	\$0	\$0	
								Subtotal Funding	\$0	\$0	\$0	\$0	
								Reclamation	\$0	\$0	\$0	\$0	
								Service	\$0	\$0	\$0	\$0	
								Other	\$0	\$0	\$0	\$0	
1.2	Program Support												
1.2.1		1	Fisheries Program Manager; (Service); Assist Reclamation in fulfilling Settlement and Act requirements, specifically related to fisheries management planning. Coordinate and contribute to the development of various fishery management planning documents such as the adaptively managed Fisheries Management Plan, implementation plans, and special study reports.				Y	\$198,734	\$0	\$0	\$198,734	\$198,734	
1.2.1		1	Fisheries Program Coordinator; (Service); Coordinate and lead the development of various fishery management planning documents such as the adaptively managed Fisheries Management Plan, implementation plans, and special study reports.				Y	\$168,176	\$0	\$0	\$168,176	\$168,176	
								Subtotal Funding	\$366,910	\$0	\$0	\$366,910	
								Reclamation	\$0	\$0	\$0	\$0	
								Service	\$366,910	\$0	\$366,910	\$366,910	
								Other	\$0	\$0	\$0	\$0	
1.3	Technical Support												
			Fisheries Technical Support; Provide support in all aspects of meeting the Restoration Goal of the Settlement including Fisheries implementation monitoring, modeling, permitting, and technical writing.										
1.3.1		0.2	USFWS STFO, Staff Coordination				Y	\$48,792	\$0	\$0	\$48,792	\$48,792	
1.3.2		1	USFWS STFO, Fisheries Modeling				Y	\$243,962	\$0	\$0	\$243,962	\$243,962	
1.3.3		1	USFWS STFO, FMWG Lead				Y	\$243,962	\$0	\$0	\$243,962	\$243,962	
1.3.4			Contract for Monitoring Support (USFWS)				Y	\$494,057	\$0	\$0	\$494,057	\$494,057	

AWP Activity Number	Type of Activity	# of FTEs	Activity Name & Description	NMFS OCAP RPA#	Performance Metric	Performance Target	Complete this FY? Y/N	Total Project Cost	FY2011 Anticipated Funding				
									Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources	
1.3	Technical Support continued												
			Physical and Biological Technical Support; Provide support for all aspects of physical and biological monitoring to achieve the Restoration Goal. Conduct field monitoring activities, data collection, data analysis including modeling, and prepare the SJRRP's Annual Technical Report and Annual Agency Plan that document monitoring results and future monitoring activities, respectively.										
1.3.5			Contract for Annual Technical Report (ATR) and Annual Agency Plan (Agency Plan) coordination and preparation. The ATR provides for timely release of all SJRRP quality controlled monitoring data. The Agency Plan outlines upcoming monitoring activities for public review and comment.	ATR and Agency Plan released on-schedule for public review	ATR Draft 1 in July; Draft 2 in January; Final in April. Agency Plan Draft in September; Final in November.	N	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$1,100,000	
1.3.6			Contract for Invasive Vegetation Management. Includes removal and control of invasive vegetation as described in the Water Year 2010 and Water Year 2011 Interim Flow s Environmental Assessment (EA).	Invasive Plant Control Consistent with commitments	Complete commitments in Water Year 2010 Interim Flow s EA	Y	\$400,000	\$400,000	\$0	\$0	\$0	\$400,000	
					Subtotal Funding		\$2,530,773	\$1,500,000	\$0	\$1,030,773	\$2,530,773		
					Reclamation		\$1,500,000	\$1,500,000	\$0	\$0	\$1,500,000		
					Service		\$1,030,773	\$0	\$0	\$1,030,773	\$1,030,773		
					Other		\$0	\$0	\$0	\$0	\$0		
1.9	Environmental Compliance												
			Environmental Compliance and Coordination; Includes development of the PEIS/R and project-level environmental documents required to implement the provisions of the Settlement. Also includes the development of a Fish Management Plan and related analysis required to apply for a permit from NMFS to reintroduce salmon into the San Joaquin River below Friant Dam.										
1.9.1		1	USFWS SFFO, Compliance Coordination			Y	\$212,299	\$0	\$0	\$212,299	\$212,299		
1.9.1		1	USFWS SFFO, Compliance Coordination (Staff)			Y	\$243,577	\$0	\$0	\$243,577	\$243,577		
					Subtotal Funding		\$455,876	\$0	\$0	\$455,876	\$455,876		
					Reclamation		\$0	\$0	\$0	\$0	\$0		
					Service		\$455,876	\$0	\$0	\$455,876	\$455,876		
					Other		\$0	\$0	\$0	\$0	\$0		
	TOTAL FUNDING							\$3,353,559	\$1,500,000	\$0	\$1,853,559	\$3,353,559	
	Total Funding Breakdown by Agency:												
			Reclamation				\$1,500,000	\$1,500,000	\$0	\$0	\$1,500,000		
			Service				\$1,853,559	\$0	\$0	\$1,853,559	\$1,853,559		
			Other				\$0	\$0	\$0	\$0	\$0		

Note: Other Sources include the San Joaquin River Restoration Fund established under Public Law 111-11.

Table 2. FY 2011 Budget Breakout

Task	Agency	FTE	LABOR		CONTRACTS		USBR Only Misc. Costs	Total Costs
			Direct Salary and Benefits Costs ^{1/}	FWS Only Overhead Assess: 22% of Direct Salary and Benefits Costs ^{2/}	Contract, Grant, and Agreement Costs	FWS Only Overhead Assess: 6% Contract Costs ^{2/}		
1.1 Program Management	FWS		\$0	\$0	\$0	\$0		\$0
	USBR		\$0		\$0		\$0	\$0
1.2 Program Support	FWS	2	\$366,910	\$0	\$0	\$0		\$366,910
	USBR		\$0		\$0		\$0	\$0
1.3 Technical Support	FWS	2.2	\$1,030,773	\$0	\$0	\$0		\$1,030,773
	USBR		\$0		\$1,500,000		\$0	\$1,500,000
1.9 Environmental Compliance	FWS	2	\$455,876	\$0	\$0	\$0		\$455,876
	USBR		\$0		\$0		\$0	\$0
Administrative Total - FWS			\$1,853,559	\$0		\$0		\$1,853,559
Contracts, Grants and Agreements					\$0			\$0
FWS Total Costs		6.2	\$1,853,559	\$0	\$0	\$0		\$1,853,559
Administrative Total - USBR			\$0				\$0	\$0
Contracts, Grants and Agreements					\$1,500,000			\$1,500,000
USBR Total Costs		0	\$0		\$1,500,000		\$0	\$1,500,000
TOTAL ALL		6.2	\$1,853,559	\$0	\$1,500,000	\$0	\$0	\$3,353,559

1/ For FWS only: The FWS develops a bio-rate which is the combination of both the salary/benefit and related administrative costs. The FWS simple definition reads, "It is an average \$\$ rate that is developed and used for estimating project costs. It incorporates a biologist's salary and benefits, supervisory, clerical and biologist support costs and all other office operating costs related to completing project tasks.

2/ FWS assesses an O/H Burden charge of 6% on all contracts/agreements related to budget object codes starting with 25, 41, and 32, and a charge of 22% on costs under all other budget object codes.

Table 3. CVPIA Three-Year Budget Plan FY 2012 – 2014
(\$ Thousands)

Year	Description of Activities	Requested RF Funding	Requested W&RR Funding	Anticipated Other Funding (footnote source)
2012	Continue site-specific planning, engineering, environmental review, and other activities required to implement the actions called for in the Settlement. Initiate final design and pre-construction activities for all Phase 1, high priority channel and structural improvements projects. Continue Interim Flow releases from Friant Dam along with implementation of associated mitigation measures. Continue implementation of the flow-related mitigation measures anticipated in the SJRRP PEIS/R including the conservation strategy, Seepage Monitoring and Management Plan, and flood mitigation strategy.	\$2,000	\$5,000	\$20,200 ¹
2013	Initiate construction activities for all of the Phase 1, high priority channel and structural improvements projects called for in the Settlement. Continue Interim Flow releases from Friant Dam. Reintroduce Chinook salmon below Friant Dam consistent with a permit from NMFS. Continue implementation of the flow-related mitigation measures anticipated in the SJRRP PEIS/R including the conservation strategy, Seepage Monitoring and Management Plan, and flood mitigation strategy.	\$2,000	\$0	\$0
2014	Continue construction activities for all of the Phase 1, high priority channel and structural improvements projects called for in the Settlement. Begin Restoration Flow releases from Friant Dam. Continue implementation of the flow-related mitigation measures anticipated in the SJRRP PEIS/R including the conservation strategy, Seepage Monitoring and Management Plan, and flood mitigation strategy.	\$2,000	\$0	\$0

Note: The FY 2012 – 2014 Budget Plan provides estimates of capability only. The amounts are displayed are those that might be reasonably appropriated each year. These figures do not reflect the future Congressional Appropriations process. All of these estimates will be adjusted annually as RF collections are realized.

1. Anticipated other funding sources includes funds collected in the San Joaquin River Restoration Fund that are appropriated. Additional funds will be collected in the San Joaquin River Restoration Fund; however, these funds are subject to appropriations and not available for use until appropriated by Congress.