

**San Joaquin River Restoration Program  
Field Activity Tracker  
Active Surveys and Investigations**

Activity	Lead Agency/Consultant	Reach	Period of Activity	Status/Potential for Implementation	Comment
Water temperature data logger maintenance	DFG	_All	Once per month.	High	All year long after flood flows reced. Access needed for mainstem of SJR, associated mining pits, and bypasses
Groundwater Monitoring Data Collection	Reclamation, CDM	_All	ongoing	high	Weekly or monthly data downloading of monitoring wells.
Fish Telemetry Study	USFWS, CDFG	_All	February - July 2012	High	Installation of acoustic telemetry receivers at up to 30 locations in the San Joaquin River and bypasses conducted in late February and March; equipment removal in July. Fish releases done April 23 and 30. Telemetry data downloaded in April, May and June.
Fish Inventory and Monitoring	Reclamation, USFWS, DFG	_All	First event June 4-15, 2012; quarterly through 2019	High	Plans curently being worked out in detail, including locations and associated activities, including monitoring activities by boat, fyke and trammel nets. Private landowner access to be identified and coordinated.
Vegetation Monitoring	Reclamation	_All	June 11 - 15, 2012	High	Details forthcoming.
Predatory Fish Survey	DFG/USFWS	1A	March - June 2012	High	Includes electro fishing, netting and hook and line fishing to identify concentration and type of predatory fish. Flood quarries to be the priority.
Gravel Mobility Study Surveys and Data Collection	DWR	1A	August - October 2012	High	
Fall Run Chinook and Rainbow Trout Egg Survival/Hyporheic Study	DWR, USFWS, Reclamation, DFG	1A	Fall 2012/Winter 2013	High	Activity covers fall run Chinook salmon and Rainbow Trout eggs. Study involves continuous Dissolved Oxygen monitoring. DO sensors are attached to a reciever that will be located on the stream bank.
Passive Induced Transponder (PIT) Tag Arrays	Reclamation	1A, 1B, 2A, 2B	April, May, 2012	High	PIT tag arrays were placed in various locations in the river to allow tracking and identification of individually PIT-tagged fish. The arrays are being removed May 12-18.
Terrestrial and Aquatic Invertebrate Sampling	Reclamation	1A, 1B, 2A, 2B	April 23-26; May 21-22, 2012	High	Sampling to improve understanding of habitat productivity and estimating fish habitat needs
Benthic Macroinvertebrate Bioassessment (Surface Water Ambient Monitoring Program)	DWR/DFG	1A through 5	May-Sept. 2012	On-going	Surveys require base flows; therefore, the schedule depends on Friant releases.
Sediment Sampling	USGS	1A, 1B, 2A	March-May 2012	High	Repeat of prior surveys for comparison.
Topographic Survey, Structures	DWR	1A, 1B, 2B, 4A, and 4B	April-Sept. 2012	Moderate	Survey is flow dependent, so schedule subject Friant releases. Need low flows in the River for wading.
Water Surface and Discharge Survey	DWR	1A, 1B, 2B, 4A, and 4B	March - Sept. 2012	Low	Surveys target specific flow level data needs, so schedule subject to Friant releases.
Flow/stage measurements at gages	DWR, Reclamation, USGS	1, 2, 3, 4A, 5, Chowchilla and Eastside Bypasses	First week of the month, weekly during interim flows	Moderate	Schedule subject to change depending on staffing, flow and equipment condition. Water quality probes serviced mid-month.
_CSLC Boundary Surveys	CSLC	2, 3, 4A	Jan-May 2012	High	Includes locating and documenting existing township and range survey monuments for the development of administrative maps identifying San Joaquin River bed lands sovereign to the State of California
_Reach 2B Fairy Shrimp Surveys	URS Corporation	2B	unknown at this time	Low	Pending access to additional properties
_Reach 2B Habitat Assessments	URS Corporation	2B	unknown at this time	Low	Pending access to additional properties
_Reach 2B Reptile Surveys	URS Corporation	2B	unknown at this time	Low	Pending access to additional properties
_Reach 2B Paleontological Survey	URS Corporation	2B	unknown at this time	Moderate	Pending Reclamation approval.
Meso-Habitat Mapping	DFG	3, 4B and 5	Summer 2012	High	Study involves identifying existing habitats throughout the entire project area. Access will be need for launching and pulling out a boat at the beginning and end of each reach.
Geophysics Field Work	Reclamation, USGS	R4A	May 30 - June 8, 2012	High	Coordinated with property owner; seepage related
_Reach 4B Biological Resources Survey, Reconnaissance	CDM	4B, Bypass	May-June 2012	High	Pending approval to access by private landowners.
_Reach 4B Cultural Resource Survey, Reconnaissance	CDM	4B, Bypass	May-June 2012	High	Pending approval to access by private landowners.
Steelhead Monitoring	Reclamation, DFG	5	Winter 2012/2013	High	No steelhead were found in 2011.

**Low/Moderate/High:** Indicates the level of confidence a particular survey may occur depending on various factors in effect, such as staff availability, flow volumnes/stage, seasonal variability, and access.

\* - Denotes non-SJRRP Field Activity

**Agency and Consultant Abbreviations :**  
 CDM - Camp Dresser McKee Engineers  
 CSLC - California State Lands Commission  
 DFG - California Department of Fish and Game  
 DWR - California Department of Water Resources  
 Reclamation - Bureau of Reclamation  
 USFWS - U.S. Fish and Wildlife Service