Appendix D

Theme and Project-Specific Studies

Final 2015 Monitoring and Analysis Plan





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Abbreviations and Acronyms

RA	Restoration Administrator
Settlement	Stipulation of Settlement in NRDC, et al., v. Kirk Rodgers, et al.
SJRRP	San Joaquin River Restoration Program

This appendix provides the theme and project-specific studies proposed for 2015 to support implementation of the San Joaquin River Restoration Program (SJRPP) (Table 1). These theme and project-specific studies are intended to inform certain actions identified in the Working Draft Framework for Implementation (SJRRP, 2012) through resolution of uncertainties and constraints. These provisional study plans will be updated on an annual basis and require review from the Monitoring and Analysis Plan Oversight Panel.

Study results and findings are reported at the biannually on the SJRRP Data Reporting web page (http://restoresjr.net/flows/data-reporting). Studies planned for 2015 are prioritized to support decisions on program actions, described in the Stipulation of Settlement in *NRDC, et al., v. Kirk Rodgers, et al.* (Settlement), Public Law 111-11, environmental compliance, and general Settlement implementation, as recommended by the Restoration Administrator (RA). Each study defines a process and provides rationale for identifying the types of information needed to support SJRRP decisions and actions, including actions such as modeling, monitoring, and analysis activities. Studies are developed with input from the Implementing Agencies (the U.S. Department of the Interior, Bureau of Reclamation, U.S. Fish and Wildlife Service, National Marine Fisheries Service, California Department of Water Resources, and California Department of Fish and Wildlife), RA, stakeholders, and other technical specialists to define appropriate data requirements and study methods including both scope and accuracy of the study plans, to support decisions, and appropriate monitoring and/or analysis required to obtain the data.

Each study in this appendix is provided as a separate attachment.

Study Number	Study	Contact			
8	Egg Survival and Emergence in Reaches 1A and 1B of the San Joaquin River	Zac Jackson, USFWS			
31	The Effects of a Riparian Forest on Water Temperatures in the Restoration Area	Katrina Harrison, Reclamation / Erica Meyers, DFW / Carl Mesick, USFWS			
33	Reducing Spring Water Temperatures below Sack Dam	Katrina Harrison, Reclamation / Erica Meyers, DFW / Carl Mesick, USFWS			
35	Floodplain Production Study	Steve Blumenshine, CSU Fresno			
40	San Joaquin River Spawning Habitat Suitability	Elaina Gordon, Reclamation / Blair Greimann, Reclamation			
43	USGS Non-Structural Fish Passage	Marissa Wulff, USGS			
50	Deriving Vegetation Characteristics from LiDAR Data and Two-Dimensional Hydraulic Modeling of the San Joaquin River Floodplain	Daniel Dombroski, Reclamation / Blair Greimann, Reclamation			
52	Gravel Pit Delineation	Byron Willems, DWR			

 Table 1.

 2015 Monitoring and Analysis Plan Theme and Project-Specific Studies

Key:

CSU = California State University

DFW = California Department of Fish and Wildlife

DWR = California Department of Water Resources

LiDAR = Light Detection and Ranging

Reclamation = U.S. Department of the Interior, Bureau of Reclamation

USFWS = U.S. Fish and Wildlife Service

USGS = U.S. Geological Survey