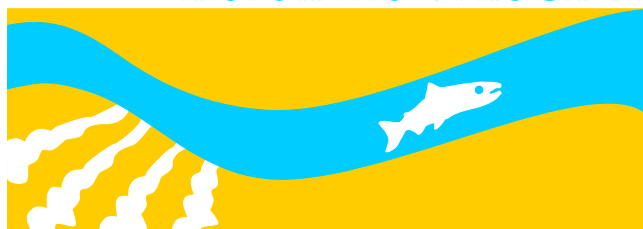


## Appendix A

# Regulatory and Environmental Compliance Activities

Final  
2015 Monitoring and Analysis Plan

**SAN JOAQUIN RIVER**  
RESTORATION PROGRAM





# Table of Contents

## Tables

Table 1. 2015 Monitoring and Analysis Plan Regulatory and Environmental Compliance Activities.....	4
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## Studies

Study 5	Temperature Monitoring of the Cold Water Pool in Millerton Lake
Study 13	Levee Geotechnical Exploration
Study 14	Central Valley Steelhead Monitoring Plan
Study 18	Continuous Surrogate Measurement of Bedload Sediment Transport using Hydrophone Installations on the San Joaquin River
Study 22	USGS San Joaquin River Tributary Sediment and Geomorphology Study
Study 23	Vegetation Monitoring
Study 24	Additional Water Level Recorders
Study 26	Effect of Altered Flow Regime on Channel Morphology in Reach 1A
Study 27	Scour and Deposition Effect on Incubation Habitat
Study 28	Reach 1A Spawning Gravel Mobility
Study 41	USGS Seepage Management Plan Support
Study 47	Spring Run Spawning Habitat Assessment – Sediment Mobility
Study 51	Sand Accumulation in Spawning Gravels
Study 53	Effect of Subsidence on Channel Capacity

# Abbreviations and Acronyms

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

This appendix provides the regulatory and environmental compliance studies proposed for 2015 to support implementation of the San Joaquin River Restoration Program (SJRRP) (Table 1). These are multi-year implementation activities that must be done regularly or at specified intervals (e.g., a long-term tracking of water temperature throughout the Restoration Area), or provide data and produce results which can assist with implementing certain required measures. Study plans for these activities are anticipated to be similar year-to-year with minor updates pending findings from previous years.

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.

**Table 1.  
2015 Monitoring and Analysis Plan Regulatory  
and Environmental Compliance Activities**

<b>Study Number</b>	<b>Study</b>	<b>Contact</b>
5	Temperature Monitoring of the Cold Water Pool in Millerton Lake	Tracy Vermeyen, Reclamation
13	Levee Geotechnical Exploration	Greg Farley, DWR
14	Central Valley Steelhead Monitoring Plan	Don Portz, Reclamation
18	Continuous Surrogate Measurement of Bedload Sediment Transport using Hydrophone Installations on the San Joaquin River	Mathieu Marineau, USGS / J. Toby Minear, USGS / Scott Wright, USGS
22	USGS San Joaquin River Tributary Sediment and Geomorphology Study	Scott Wright, USGS / Toby Minear, USGS
23	Vegetation Monitoring	Greg Reed, Reclamation
24	Additional Water Level Recorders	Dave Encinas, DWR
26	Effect of Altered Flow Regime on Channel Morphology in Reach 1A	Matthew Meyers, DWR
27	Effect of Scour and Deposition on Incubation Habitat in Reach 1A	Matthew Meyers, DWR
28	Reach 1A Spawning Area Bed Mobility	Matthew Meyers, DWR
41	USGS Seepage Management Plan Support	Katrina Harrison, Reclamation
47	Spring Run Spawning Habitat Assessment – Sediment Mobility	Matthew Meyers, DWR
51	Sand Accumulation in Spawning Gravels	Matthew Meyers, DWR
53	Effect of Subsidence on Channel Capacity	Alexis Phillips-Dowell, DWR

Key:

DWR = California Department of Water Resources

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

USGS = U.S. Geological Survey