



## Field Activity Advisory Chinook Salmon Egg Survival and Emergence Monitoring February 2, 2015

The San Joaquin River Restoration Program will conduct a fall-run Chinook salmon egg survival and emergence monitoring study in Reach 1A beginning February 11 and continue through April. The study includes placement of submerged emergence traps (see Figure 1) over 15 salmon redds, or nests, at various river locations between Friant Dam and Highway 99. Once installed, the traps are regularly visited to monitor conditions. Boaters are asked to not disturb the traps while passing near or over them. The goal of the study is to evaluate the number and timing of newly hatched juvenile fish that successfully emerge from redd. Data collected from the study will allow Program staff estimate the number of progeny possible from last fall's Chinook salmon trap and transport effort. It will further help describe the overall suitability of spawning gravel in the San Joaquin River in this river reach.

**Who:** U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW)

**What:** Staff installed and is continually monitoring emergence traps at up to 15 locations in Reach 1 of the San Joaquin River. Redds placed naturally by transported adults will be capped to assess egg survival and emergence rates. All activities have been implemented consistent to the preparation and distribution of a California Environmental Quality Act Notice of Exemption and a National Environmental Policy Act Categorical Exclusion.

**When:** Emergence traps are slated for installation February 11. They will be monitored regularly through April 2016.

**Where:** These activities will occur in Reach 1 of the San Joaquin River from Highway 99 Bridge to Friant Dam.



Figure 1: Emergence trap placed over redd in Reach 1 of the San Joaquin River during 2014.



Figure 2: Salmon redd egg pocket markers have been concealed on the tailspills of all identified redds for evaluation of incubation habitat quality. If observed, please do not touch or remove.

Questions about this activity should be directed to the study's agencies points-of-contact:

Joseph Kirsch, Fisheries Biologist  
U.S. Fish and Wildlife Service  
Office: (209) 334-2968 ext. 404  
Email: [joseph\\_kirsch@fws.gov](mailto:joseph_kirsch@fws.gov)

Andy Shriver, Environmental Scientist  
California Dept. of Fish and Wildlife  
Phone: (559) 243-4014 ext. 351  
Email: [andy.shriver@wildlife.ca.gov](mailto:andy.shriver@wildlife.ca.gov)

Questions about activities on public and private land should be directed to the SJRRP Landowner Coordinator, Craig Moyle. Craig's contact information is provided below.

Craig Moyle, Landowner Coordinator  
Office (direct line): 916-418-8248  
Mobile: 916-642-6383  
E-mail: [craig.moyle@mwhglobal.com](mailto:craig.moyle@mwhglobal.com)

**For more information, please visit the SJRRP Web site at [www.restoresjr.net](http://www.restoresjr.net).**