



Field Activity Advisory

Spring-Run Chinook Salmon Egg Survival, Emergence and Habitat Study

The San Joaquin River Restoration Program is conducting activities to better understand spring-run Chinook salmon spawning habitat quality in Reach 1. These activities will focus on: 1) monitoring egg survival and emergence rates from capped redds (fish nests); and, 2) sampling and monitoring the incubation habitat quality within capped and uncapped redds and the ambient streambed. This study will assist the SJRRP in identifying potential limitations with available spawning habitat and inform managers about spawning habitat restoration actions.

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

Installation and monitoring of emergence traps will take place at up to 20 locations in Reach 1 of the San Joaquin River. Emergence traps (Figure 1) will be installed over redds placed naturally by released adult spring-run Chinook salmon to assess egg survival, emergence rates, and incubation habitat quality. Emergence traps will be monitored regularly to assess the number and condition of emerging juveniles. Incubation habitat sampling will be performed on both capped and uncapped redds, as well as the adjacent ambient streambed to assess and understand the physical habitat parameters affecting egg survival and fry production. Environmental disclosure documents have been prepared including a California Environmental Quality Act Notice of Exemption and a National Environmental Policy Act Categorical Exclusion and are available upon request.



These activities will occur in Reach 1 of the San Joaquin River between Friant Dam and State Route 41. Access will occur from the public right-of-way or in areas where private landowners have granted access.

Emergence traps will be installed on selected redds approximately one week prior to expected fry emergence and monitored regularly through March 2019.

Questions about this activity should be directed to the agency point-of-contact below.

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Questions about SJRRP field activities on public and private land should be directed to the SJRRP Landowner Coordinator below. Questions about the SJRRP should be directed to the Public Affairs Specialist below.

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Contact the SJRRP Hotline, 916-978-4398, or email RestorationFlows@restoresjr.net if you see any problems or have any concerns.

For more information, please visit the SJRRP Web site at www.restoresjr.net or contact Josh Newcom, Public Affairs Specialist, at 916-978-5508. Field Advisories for activities are available at <http://restoresjr.net/get-involved/field-advisories/>