Interagency Ecological Program 2024 Work Plan Element
Juvenile Salmon Emigration Real Time Monitoring (DJFMP)

Project Manager and Affiliation

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Principal Investigator and Affiliation

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Annual Cost (thousands) and Funding Sources

DWR: ~$89k USBR: ~$151k

Figure: DJFMP field crew seining at Sherwood Harbor in Sacramento

Description

Beach seining 3 days/week from October 1st to January 31st near Sacramento to detect the arrival of older juvenile Chinook Salmon entering the Delta.

Project Need

This monitoring is mandated by (1) the State Water Resources Control Board Water Quality Control Plan and (2) the National Marine Fisheries Service's RPA proposed by the 2009 biological opinion and conference opinion on the long-term operations of the Central Valley Project and State Water Project. Monitoring data are used to inform Delta Cross Channel Gate closure decisions from October 1st to December 15th to minimize the diversion and mortality of emigrating juvenile winter-run sized Chinook Salmon. These data also were and will continue to be used to inform biological opinions, and drought operations planning decisions.

Project Objectives

- Provide data for Delta Cross-channel Gate operational triggers
- Inform the Real-Time Drought Operations Management Team
- Chinook salmon data collected from trawls and beach seines in the Sacramento area are used to calculate the Sacramento Catch Index (SCI), which is reported daily by USFWS via email to USBR and other entities that control Delta Cross Channel Gate operations.

Schedule of Milestones

January 2019: Completed real time monitoring and reporting

January 2020: Completed real time monitoring and reporting

January 2021: Completed real time monitoring and reporting

January 2022: Completed real time monitoring and reporting

Project Products and Publications

N/A