

DRAFT State Water Project Incidental Take Permit Risk Assessment for Winter-run and Spring-run Chinook Salmon

Section 1: Overview

Date: 6/15/2021

Life Stages Present:

Winter-run Chinook Salmon (juvenile)

Winter-run Chinook Salmon (adult)

Spring-run Chinook Salmon (juvenile)

Spring-run Chinook Salmon (adult)

Advice to the Water Operations Management Team (WOMT):

No advice is warranted and COA 8.8 (End of OMR Management) has been triggered for salmonids.

For the week beginning 6/15/2021, Delta Outflow is currently controlling exports with Delta Water Quality likely to become controlling during the week.

Combined exports were 850 cfs at the State Water Project export facility including 550 cfs of federal exports. This export pattern is expected to continue for approximately two days at which point exports will shift to the Central Valley Project export facility. OMR was -1,300 cfs on 6/15/2021 and expected to range from -1,000 to -1,600 cfs. No salvage of salmonids occurred during the previous week.

SaMT has been actively monitoring the salmonid components of the COA 8.8 (End of OMR Management) requirements for off-ramping OMR management prior to the end of OMR management season on 6/30/21. The salmonid requirements are:

- more than 95% of winter-run Chinook salmon (WR) and spring-run Chinook salmon (SR) have migrated past Chipps Islands as determined by SaMT,
- daily average water temperature at Mossdale exceeds 22.2° C (72° F) for 7 non-consecutive days in June, and
- daily average water temperature at Prisoner's Point exceeds 22.2° C (72° F) for 7 non-consecutive days in June.

SaMT has determined that greater than 95% of WR and SR have migrated past Chipps Island. In addition, both the Prisoner's Point and Mossdale temperature offramp requirements have been exceeded for the requisite number of days in June. Therefore, the salmonid requirements for COA 8.8 have been met. OMR management may continue for Delta smelt and Longfin smelt.

The COA 8.6.1 (WR Single-year Loss Threshold) was not exceeded this OMR management season as reflected by low cumulative loss of natural origin and hatchery origin WE at the export facilities. Cumulatively, for Water Year (WY) 2021, 5 length at date (LAD) size natural origin WR have been salvaged, resulting in a loss of 8 fish, and 7 LAD size hatchery WR (without CWT readings) have been salvaged, resulting in loss of 16 fish. Salvage of hatchery origin WR is preliminary and may be adjusted based on CWT reading corrections.

The COA 8.6.2 (Early-season Natural Winter-run Chinook Salmon Discrete Daily Loss Threshold) ended on 12/31/2021. No exceedances occurred during this OMR management season.

The COA 8.6.3 (Mid- and Late-season Natural WR Daily Loss Threshold) ended on 5/31/2021. No exceedances occurred during this OMR management season.

COA 8.6.4 (Daily SR Hatchery Surrogate Loss Threshold) was not exceeded this OMR season. No salvage of SR surrogate groups was documented in salvage at the export facilities.