



— BUREAU OF —  
**RECLAMATION**

# **Weekly Fish and Water Operations Outlook**

10/07/2025 – 10/13/2025

## **Water Project Operational Intent for Week**

Current Central Valley Project (CVP) and State Water Project (SWP) operations are primarily governed by D-1641 standards such as required minimum Delta Outflow, the Rock Slough daily maximum salinity standard (250 Chlorides) and the maximum allowable Export/Inflow ratio of 0.65

## **Biological Context**

No ESA protective actions have been “triggered” to date for early WY 2026.

## **Forecasted Weather**

Dry conditions with seasonal temperatures through Wednesday. Cooler on Wednesday into next week with breezy winds anticipated as well

## Tables

Table 1: Anticipated weekly operational ranges by tributary. Environmental and fish conditions are updated by respective watershed groups at varying intervals that may not coincide with the weekly range of Water Operations shown.\*

Tributary/Division	Anticipated Weekly Ranges	Related Environmental and Fish Conditions
Clear Creek	<ul style="list-style-type: none"> <li>• Current Release: 225 cfs</li> <li>• Anticipated Weekly range of Releases: 125 to 250 cfs</li> </ul>	<p>Adult spring-run Chinook Salmon are spawning, and their eggs are incubating.</p> <p>Adult fall-run Chinook Salmon are entering the creek and spawning.</p> <p>O.mykiss/steelhead are entering the creek and migrating upstream.</p> <p>(Updated 10/06/2025)</p>
Sacramento River	<p>Shasta Storage: 2.660 MAF</p> <p>Current Release: 7,200 cfs</p> <p>Anticipated Weekly Range of Releases: 7,000 cfs to 7,400 cfs</p>	<p>Winter-run Chinook Salmon fry are emigrating past RBDD in the 1000's per day range (start of peak emigration period).</p> <p>Fall-run Chinook Salmon smolts are sporadically migrating downstream.</p> <p>Spring-run Chinook Salmon adults are spawning and eggs in the gravel.</p> <p>Winter-run Chinook Salmon adults have completed spawning. Eggs and juveniles are in the gravel and early emergent juveniles are migrating downstream past RBDD.</p> <p>Fall-run Chinook Salmon adults are actively migrating into the river and tributaries are holding and spawning currently. Some eggs are in the gravel.</p> <p>Late Fall-run Chinook Salmon are migrating upstream from ocean.</p> <p>(Updated 10/07/2025)</p>
Feather River	<p>Oroville Storage: 1.987 MAF</p> <p>Current Release: 8,000 cfs</p> <p>Anticipated Weekly Range of Releases: 3,200 cfs to 8,000 cfs</p> <p>Daily temperature maximum: 55 +/- 4 degrees F at Fish Hatchery</p>	<p>Fall-run Chinook Salmon are currently holding and spawning.</p> <p>Green Sturgeon holding at the outlet and Shanghai Bend.</p> <p>(Updated 10/07/2025)</p>

Tributary/Division	Anticipated Weekly Ranges	Related Environmental and Fish Conditions
American River	Folsom Storage: 443 TAF Current Release: 1,000 cfs Anticipated Weekly Range of Releases: 1,000 to 1,400 cfs	<ul style="list-style-type: none"> <li>• Fall-run Chinook Salmon adults are moving upstream and beginning to spawn.</li> <li>• (Updated 10/6/2025)</li> </ul>
Stanislaus River	New Melones Storage: 1.624 MAF Current Release: 700 cfs Anticipated Range of Weekly Releases: 500 cfs to 900 cfs	<ul style="list-style-type: none"> <li>• Adult fall-run Chinook Salmon are entering the Stanislaus River and beginning spawning.</li> <li>• (Updated 10/6/2025)</li> </ul>
Delta	Freeport: 18,000 cfs to 19,300 cfs Vernalis: 900 cfs to 1,200 cfs Delta Outflow index: 9,600 to 17,500 cfs Combined Exports: 5,700 to 9,700 cfs JPP: 2,500 cfs to 3,000 cfs CCF: 3,000 cfs to 6,680 cfs Expected Daily OMR Index Values: -5,800 to -9,200 cfs DCC Gates: Open until further notice. X2 > 81 km Tides: Transition from Spring to Neap; Full Moon on October 6.	<ul style="list-style-type: none"> <li>• Winter-run Chinook salmon juveniles are beginning to migrate into the Delta.</li> <li>• Delta smelt being observed in the confluence on 10/6/25.</li> <li>• Juvenile Green Sturgeon observed in salvage between 08/14/25 – 09/30/25.</li> <li>• (Updated 10/7/2025)</li> </ul>

Table 2a-b: WY 2025 relevant Fish and Environmental Criteria and Status in 2024  
 Reclamation LTO Action Cumulative loss for the duration of 2024 Biological Opinion began upon signature of ROD, 12/19/2024.

Table 2a: WY 2025 Salmonid Current Loss and Delta Smelt Abiotic Conditions. Additional Real-Time OMR Restrictions and Performance Objectives (4.10.5.10.2, 4.10.5.10.3) and Onset of OMR Management (4.10.5.10.1). Genetic identification of salmon is not used in calculating loss, but results are included in the Assessment as they become available. \*

Species/run	Threshold	Current Status	Weekly Trend	Updated
Green sturgeon	Annual = 14  3-year rolling average = 5	WY 2026 salvage = 0	Occasional salvage possible	10/6/25
Natural winter-run Chinook Salmon (JPE= TBD)	Incidental Take Limit= TBD  Annual thresholds 50%= TBD 75%= TBD 100%= TBD	WY 2026 Loss= 0	Salvage is unlikely in the upcoming week.	10/6/25
Natural Steelhead	100% threshold = 3,000	WY 2026 loss = 0	Salvage is unlikely in the upcoming week.	10/6/25
Steelhead Weekly Loss Threshold	7-day rolling sum of steelhead salvage exceeds loss of 120 fish	7 day rolling sum as of 6/16/25 = 0	Salvage is unlikely in the upcoming week.	10/6/25
Sacramento River Hatchery winter-run Chinook salmon (JPE= 135,342)	TBD	TBD	None released yet	10/6/25
Battle Creek Hatchery winter-run Chinook salmon	TBD	TBD	None released yet	10/6/25
Proposed Action Hatchery yearling spring-run Chinook salmon surrogates	TBD	TBD	None released yet	10/6/25
Delta Smelt	See Table 3b	See Table 3b	See Table 3b	1/06/2025

Species/run	Threshold	Current Status	Weekly Trend	Updated
Longfin Smelt	See Table 3c	See Table 3c	See Table 3c	1/06/2025

Table 3a-e: Relevant Water Year 2025 Fish Criteria and Status for Listed Fish under the SWP Long-Term Incidental Take Permit.

Table 3a: Chinook Salmon

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Onset of OMR Management (8.3)	Jan. 1 - Jun. 30	Not in Effect	Begins January 1 or earlier if COA 8.3.1, COA 8.3.2, or COA 8.3.3 are in effect (see Table 3b)	N/A	N/A	10/6/25	N/A
Winter-run Annual Loss (8.4.3)	July 1 - Jun. 30	Not in Effect	Natural-origin Winter-run Loss Threshold: TBD  -Hatchery-origin Winter-run Loss Threshold: TBD  -Battle Creek Loss threshold: TBD	Confirmed Genetic WR Annual Loss = 0  Hatchery origin Winter-run Loss = 0  Battle Creek Winter-run Loss = 0	Unlikely to observe salvage of natural winter-run based on historical salvage.	10/6/25	N/A
Natural-origin Winter-run Early Season Weekly Loss Thresholds (8.2.1)	Nov. 1- Dec. 31	Not in Effect	N/A	N/A	N/A	10/6/25	N/A

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Natural-origin Winter-run Weekly Loss (8.4.4)	Jan 1 – June 30	Not in Effect	Thresholds based on Table 4, Column E of 2024 SWP ITP: [Annual Loss Threshold (based on JPE surrogate) x 50% of Annual Loss Threshold x Winter-run in Delta (based on Column E)]	N/A	N/A	10/6/25	N/A
Spring-run Protection Action and Surrogate Annual Loss (8.4.5)	Natural-origin: Oct. – June 30 Hatchery-origin: Nov. 1 – June 30	Natural-origin: In effect Hatchery-origin: Not in effect	N/A	N/A	Yearling natural spring-run salvage possible in next week	10/6/25	No scheduled spring-run surrogate group releases

Table 3b: Delta Smelt

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
First Flush Action (8.3.1)	Dec. 1 – last day of February	Not active	- three-day Freeport (FPT) daily flow running avg $\geq$ 25,000 AND [three-day Freeport turbidity running avg $\geq$ 50 NTU OR Smelt Monitoring Team recommendation]	N/A	N/A	10/6/25	N/A

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Adult Delta Smelt Entrainment Protection ("Turbidity Bridge Avoidance") (8.3.2)	After IEWPP or Dec. 20 until 3-day average temperatures at Jersey Point (SJJ) or Rio Vista (RVB) exceed 12 °C (53.6 °F)	Not active	Occurs after the Integrated Early Winter Pulse protection or December 20 (whichever comes first) until 3-day average temperature offramp at Jersey Point (SJJ) or Rio Vista (RVB) > 12 °C (53.6 °F) -OBI, OSJ, and HOL turbidity>12 FNU  -Vernalis flow >10,000 cfs (temporary offramp); <8,000 cfs (reinstated)	N/A	N/A	10/6/25	N/A

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Larval and Juvenile Delta smelt Protection (8.4.1)	After Adult Delta smelt Entrainment Protection ends	Not active	SLS/20mm Secchi depth for 12 south delta stations $\leq 1\text{m}$ -Rio Vista flows $>55,000\text{ cfs}$ or Vernalis flows $>8,000\text{ cfs}$ (temporary offramp); $<40,000\text{ cfs}$ (Rio Vista) or $<5,000$ (Vernalis) action reinstated	N/A	N/A	10/6/25	N/A

Table 3c: Longfin Smelt

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Adult LFS Protection (8.3.3)	Dec. 1 - end of February	Not active	-Cum. salvage > (Age 1+ LFS Index/20) +1 = 181 fish	N/A	N/A	10/6/25	N/A
Larval and Juvenile Longfin Smelt Entrainment Protection (8.4.2)	Jan. 1 – Jun. 30	Not active	-7-day average QWEST < +1,500 cfs, AND LFS larvae or juveniles in most recent SLS or 20 mm survey at 809 & 812 > 50; OR cumulative salvage > 50 or 75% avg annual salvage 2009-present  -Rio Vista flows >55,000 cfs or Vernalis flows >8,000 cfs (temporary offramp); <40,000 cfs (Rio Vista) or <5,000 (Vernalis) reinstated	N/A	N/A	10/6/25	N/A

Table 3d: White Sturgeon

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
White Sturgeon Entrainment Protection Action (8.4.7)	Year-round	Active; not triggered Flow Conditions : Not met Survey Conditions : Not Met	-YOY WS detected in one of the listed north or central Delta survey stations in the last 90 days  - Mean total exports for the last 90 days $\geq$ $14,296.76 + (-0.41)*(90\text{-day average Vernalis flow})$	YOY WS detections = 20-mm station 90-Day Avg Vernalis flows = 553cfs 90-Day Avg Exports = 10.591 cfs	More YOY detections possible Flow/ Exports conditions unlikely to meet criterion	10/7/25	Survey and Conditions not met WY 2026 salvage = 0

Table 3e: OMR

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
OMR Storm Flex (8.5)	Start of OMR – Onramp of Larval and Juvenile DS Protection Action (8.4.1) or last day of February (whichever occurs first)	Not in effect	<ul style="list-style-type: none"> <li>-Delta is in excess</li> <li>-QWEST is &gt; +1,500 cfs</li> <li>-X2 is &lt; 81 km</li> <li>- Daily average turbidity at OSJ, HOL, and OBI are &lt;12 FNU</li> <li>-Higher level of outflow available for diversion due to storm flows</li> <li>-Measurable amount of precipitation has occurred</li> <li>-None of COA's are controlling operations (8.2.1, 8.3.2, 8.3.3, 8.4.2, 8.4.3, 8.4.4, 8.4.5, 8.4.7)</li> <li>-Cumulative loss at CVP and SWP of yearling CNFH LFR Chinook salmon (as yearling CHNSR surrogates) is &lt; 0.5% with any of the release groups</li> </ul>	N/A	N/A	N/A	N/A

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
End of OMR Management (8.6)	Jun. 1 – Jun. 30	Not in effect	<p>Smelt: -Daily mean water temperature at Clifton Court Forebay (CLC) is &gt; or equal to 25°C for 3 consecutive days</p> <p>Salmonids: -Daily mean water temperature is &gt; 22.2 C at Mossdale and Prisoners Point for 7 days (can be non-consecutive).</p>	N/A	N/A	N/A	N/A

Action	Timeframe	Current Action Status	Threshold(s)	Current Relevant Data	Weekly Trend	Last Updated	Comments
Spring Outflow (COA 8.12.1)	April 1 – May 31	Not in effect	Critical year: ratio of Vernalis flow to SWP and CVP combined exports shall be 1 to 1. Dry year: ratio of Vernalis flow to SWP and CVP combined exports shall be 2 to 1. Below Normal year: ratio of Vernalis flow to SWP and CVP combined exports shall be 3 to 1. Above Normal/Wet year: ratio of Vernalis flow to SWP and CVP combined exports shall be 4 to 1	N/A	N/A	N/A	N/A

Table 4: Fish monitoring gear efficiency and disruptions. Status Categories: [1] Active (ongoing sampling), [2] Partial Interruption (some sampling interruptions), [3] Interrupted (sampling fully suspended), [4] Not Active (sampling not scheduled), [5] Unknown (information unconfirmed)

Monitoring survey	Region	Notes (as of 10/7/2025)	Status
SWP regular counts, CWT reading	Delta	Active	1
CVP regular counts, CWT reading	Delta	Active	1
Smelt Larval Survey	Delta	Not Active	4

Monitoring survey	Region	Notes (as of 10/7/2025)	Status
LES	Delta	Not Active	4
20mm Survey	Delta	Not Active	4
Fall Mid-water Trawl	Delta	Active	1
Summer Townnet Survey	Delta	Active	1
Bay Study	Delta	Active	1
DJFMP- Chipps and Sacramento Trawls	Delta	Active	1
DJFMP- Seines	Delta	Active	1
EDSM	Delta	Active	1
EMP	Delta	Active	1
Mossdale Trawls	Delta	Active (USFWS)	1
USGS Flow monitoring	Delta	Active	1
Red Bluff Diversion Dam Rotary Screw Trap (RST)	Sacramento River	Active	1
Knights Landing RST	Sacramento River	Active	1
Tisdale RST	Sacramento River	Active	1
GCID RST	Sacramento River	Not Active	4
Mill Creek RST	Mill Creek	Not Active	5
Deer Creek RST	Deer Creek	Not Active	5
Yuba River (Hallwood) RST	Yuba River	Not Active	4
Butte Creek Carcass Surveys	Butte Creek	Active	1
Butte Creek RST	Butte Creek	Active	1
Redd dewatering and stranding surveys	Sacramento River	Active	1
Sacramento Carcass and Redd Surveys (fall-run Chinook Salmon)	Sacramento River	Active	1
Lower Sacramento RST	Sacramento River	Active	1
Feather River (upper DWR) RST	Sacramento River	Not Active	4
Feather River (lower CDFW) RST	Sacramento River	Not Active	4

Monitoring survey	Region	Notes (as of 10/7/2025)	Status
Feather River Carcass Survey (fall-run Chinook Salmon)	Sacramento River	Active	1
Sonar, telemetry (sturgeon)	Feather River	Active	1
Egg mats (sturgeon)	Feather River	Active	1
SJRRP CDFW Field Monitoring	San Joaquin River	Active	1
SJRRP USFWS and USBR Field Monitoring	San Joaquin River	Active	1
Stanislaus Fish Weir	San Joaquin River	Active	1
Stanislaus River Carcass Survey (steelhead)	San Joaquin River	Active	1
American River Carcass Survey	Sacramento River	Not Active (beginning survey on 10/13)	4

\* Qualitative larval sampling efforts for both the CVP and SWP have concluded and have been removed from the list as of 10/7/25.

Preference (i.e., a y-intercept of 0.5)