

Status of the Temporary Barriers as of December 3, 2021:

This is the last weekly update for the 2021 barrier season.

Head of Old River Barrier

The Spring and Fall Head of Old River Barriers were not installed this year.

Middle River Barrier

Construction of the barrier and in-water work started on May 1, 2021. The installation of the culverts on the north abutment was completed on May 8, 2021. The barrier was partially closed, and all gates are tied open on May 12, 2021 at 4:45 PM. The barrier was fully closed, and all gates were released to tidal operation on May 15, 2021 at 10:00 AM. The in-water installation work was completed on May 15, 2021 at 12:00 PM. Construction was completed on June 2, 2021 at 3:00 PM. The crest was not raised by one foot this season. The barrier was notched on Monday September 13, 2021. Removal of the barrier started on November 8, 2021 and the barrier was breached on the same day at 10:45 AM. Complete removal of the barrier was achieved on November 12, 2021.

Old River near Tracy Barrier

Mobilization to install the barrier started on May 8, 2021. The in-water work started on May 10, 2021. The boat ramp was completed on 5/22/2021. The barrier was closed on May 27, 2021 at 10:00 AM with one flap gate tied open and the remaining 8 flap gates operating tidally. The remaining flap gate was released on June 1, 2021 at 3:30 PM. The in-water installation work was completed on May 27, 2021 at 1:00 PM. Construction was completed on June 3, 2021 at 3:00 PM. The barrier was notched on Monday September 13, 2021. Removal of the barrier started on November 9, 2021 and the barrier was breached on the same day at 9:30 AM. Docks and underwater mats were removed on November 10, 2021 and the boat portage operation ended on the same day. Complete removal of the barrier was achieved on November 20, 2021.

Grant Line Canal Barrier

Mobilization to install the barrier started on May 1, 2021. The in-water work started on May 3, 2021. The boat ramp was completed on 5/21/2021. The barrier was fully closed on May 27, 2021 at 12:30 PM with one flap gate tied open and the remaining 5 flap gates operating tidally. The remaining flap gate was released on June 1, 2021 at 10:30 AM. The in-water installation work was completed on May 27, 2021 at 12:30 PM. Construction was completed on June 2, 2021 at 10:00 AM. The adjustment of the flashboard structure at Grant Line Canal Barrier for the passage of adult salmon was completed on Monday September 13, 2021. Removal of the barrier started on November 13, 2021 and the barrier was breached on the same day at 1:30 PM. Docks and underwater mats were removed on November 14, 2021 and the boat portage operation ended on the same day. All in-water work was complete on November 30, 2021. Complete removal of the barrier was achieved on December 2, 2021 including site clean-up and road repairs.

Environmental Compliance

As required by the environmental permits, pre-construction surveys have been conducted in advance of mobilization and construction. Environmental monitors are present during all phases of construction including the in-water work. Environmental education was provided to the crew members. Required discreet turbidity and dissolved oxygen monitoring data were collected during the in-water work phase of the construction.

Water Temperature

Monitoring of water temperature at the San Joaquin River at Mossdale Bridge station (MSD) is being conducted as part of the National Marine Fisheries Service Biological Opinion on Long-term Operations of the Central Valley Project and State Water Project which states, "Barriers would include at least one culvert open to allow for fish migration when water temperatures are less than 71.6°F (22°C)". The daily average temperature at MSD exceeded 71.6°F (22°C) and was observed for three consecutive days on May 29, 30, and 31, satisfying the criteria to release the remaining flap gates to tidal operation.

Water Level Modeling

Modeling was conducted for the simulation period from November 30, 2021 through December 20, 2021. DWR will continue to monitor and report water levels and conditions.

Real-time south Delta water level data is available on CDEC at the URL below:

<http://cdec.water.ca.gov/river/southdeltaStages.html>

Water Level Complaints

The following section summarizes an ongoing list of water level complaints received during the year 2021:

- Low water level complaints were received on March 23 at Middle River.
- Low water level complaints were received on March 29 at Old River.
- Low water level complaints were received on March 29 at Middle River at Wood Irrigation Company.
- Low water level complaints were received on April 30 at Middle River near Undine Road bridge.
- Low water level complaints were received on May 6, 22 and 24 at Tom Paine Slough.
- Low water level complaints were received on June 18 at Tom Paine Slough
- Low water level complaints were received on July 1, 2 and 18 at Tom Paine Slough