

## **Status of the Temporary Barriers as of September 16, 2021:**

### **Head of Old River Barrier**

DWR does not plan to construct the Spring or Fall Head of Old River Barrier 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 barrier was notched on Monday September 13, 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. Boat portage is available from 8:00 AM to 6:00 PM Monday through Friday and 7:00 AM to 7:00 PM Saturday and Sunday. The barrier was notched on Monday September 13, 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. Boat portage is available from 6:00 AM to 8:00 PM every day, including weekends. Flashboards in the flashboard structure were removed on Monday September 13, 2021 to provide an attractive flow for the upstream fish migration.

### **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 September 08, 2021 through October 04, 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