

## **South Delta Temporary Barriers Weekly Update- April 23, 2012**

*The following report on the Temporary Barriers Project is for your information and action, as appropriate. This report will be transmitted whenever changes occur to the operation of the barriers, and as a result of modeling and/or field monitoring of water levels in the south Delta.*

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**STATUS AS OF: April 23, 2012**

**As stipulated by court order, the Head of Old River, Middle River, and Old River Tracy Temporary Rock Barriers were installed approximately two weeks early. The early closure of the Head of Old River Rock barrier is intended to benefit out-migrating juvenile Chinook salmon and steelhead.**

### **Head of Old River (HOR) Barrier:**

Construction of the Head of Old River barrier began on March 15, 2012. Barrier closure and operation were achieved at noon on April 1, all eight slide-gate culverts are in open position. Crews completed construction the clay weir section of the barrier on April 11, 2012.

### **Agricultural Barriers (Middle River [MR], Old River near Tracy [ORT], Grant Line Canal [GLC]):**

Construction of the Middle River barrier began on March 12 and closure was obtained on March 16. All flap gates are tidally operated.

Construction of the Old River near Tracy barrier began on March 15 and closure and operation was achieved at 5:00 p.m. on March 31. All nine flap-gate culverts are tidally operated. The boat ramp and portage is in full operation as of Wednesday, April 4. Demobilizing and site cleanup was completed on Friday April 6.

The construction of the Grant Line Canal barrier is underway and will be completed this week. The center weir portion will be left open until after delta smelt concerns have passed and approval from USFWS is received.

### **Water Levels/Water Quality/Sound Monitoring Problem Notifications:**

In compliance with the 401 Certification, staff performs twice daily turbidity and settleable solids water sampling during construction. Sampling continues at the Grant Line Canal. No violation of the conditions have been observed.

### **Modeling:**

Modeling results are attached and forecasted minimum water levels are above target levels at Middle River at Howard Road (MHR) and Old River at Tracy Boulevard (OLD) stations, but below target levels at Doughty Cut (DGL) station.

Water levels for the forecast period are as follows:

MHR – Actual low water levels are slightly above the model forecast. Minimum model forecast water levels will occur on May 2, 2012 at approximately 0.5 ft (~ 0.2 ft above the target level of 0.3 ft.)

OLD – Actual low water levels are approximately following the model forecast. Minimum model forecast water levels will occur on May 2, 2012 at approximately 0.1 ft (~ 0.1 ft above the target level of 0.0 ft.)

DGL – Actual low water levels are approximately following the model forecast. Minimum model forecast water levels will occur on April 30, 2012 at approximately -0.5 ft (~ 0.5ft below the target level of 0.0 ft.)

TBP staff continues to monitor water levels very closely.

These weekly updates are also available for your information on our website:

[http://baydeltaoffice.water.ca.gov/sdb/tbp/index\\_tbp.cfm](http://baydeltaoffice.water.ca.gov/sdb/tbp/index_tbp.cfm)

We recently migrated this email list to a server. Please let me know if you no longer wish to receive these updates or if there is somebody you know that should be on this email list.

Thank you,

Jacob

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