



DEPARTMENT OF WATER RESOURCES
 Division of Operations and Maintenance
 3310 El Camino Avenue, Suite 300
 Sacramento, California 95821



— BUREAU OF —
 RECLAMATION

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 Central Valley Operations Office
 3310 El Camino Avenue, Suite 300
 Sacramento, California 95821

Eileen Sobeck
 Executive Director
 State Water Resources Control Board
 1001 I Street
 Sacramento, California 95814

Subject: Report of Exceedance of Western Delta Agricultural Objectives: Three Mile Slough and Jersey Point

Dear Ms. Sobeck:

This letter serves as notification from the Department of Water Resources and U.S. Bureau of Reclamation (collectively referred to as the Projects) that two D-1641 western Delta agricultural objectives were recently exceeded. The modified objective at Threemile Slough was exceeded on June 28, and the objective at Jersey Point was exceeded on July 2. A summary of the exceedances can be found in Table 1.

Compliance Location	Description	Compliance Value (mS/cm)	Exceedance Value (mS/cm)	Date of Exceedance	Date Returned to Compliance	No. of Days Out Of Compliance
Sacramento River at Three Mile Slough ¹	Maximum 14-day running average of mean daily EC	2.78	2.82	June 28	July 14	16
San Joaquin River at Jersey Point	Maximum 14-day running average of mean daily EC	2.20	2.23	July 2	July 8	6

¹Compliance location modified from Emmaton to Threemile Slough under the State Water Resources Control Board's (Board) June 1, 2021 Temporary Urgency Change Order.

Subject: Report of Exceedance of the Habitat Protection Outflow (X2) Objective

Table 1: Summary of Western Delta Agricultural Exceedances

As seen in Figure 1, below, tidal conditions have been consistently tracking above astronomical forecasts. Daily high and half tides had been tracking approximately half a foot or even more above the astronomical projections for much of June and this increase continued into July. These higher-than-anticipated tidal conditions pushed significant seawater into the interior Delta, which greatly elevated salinity.

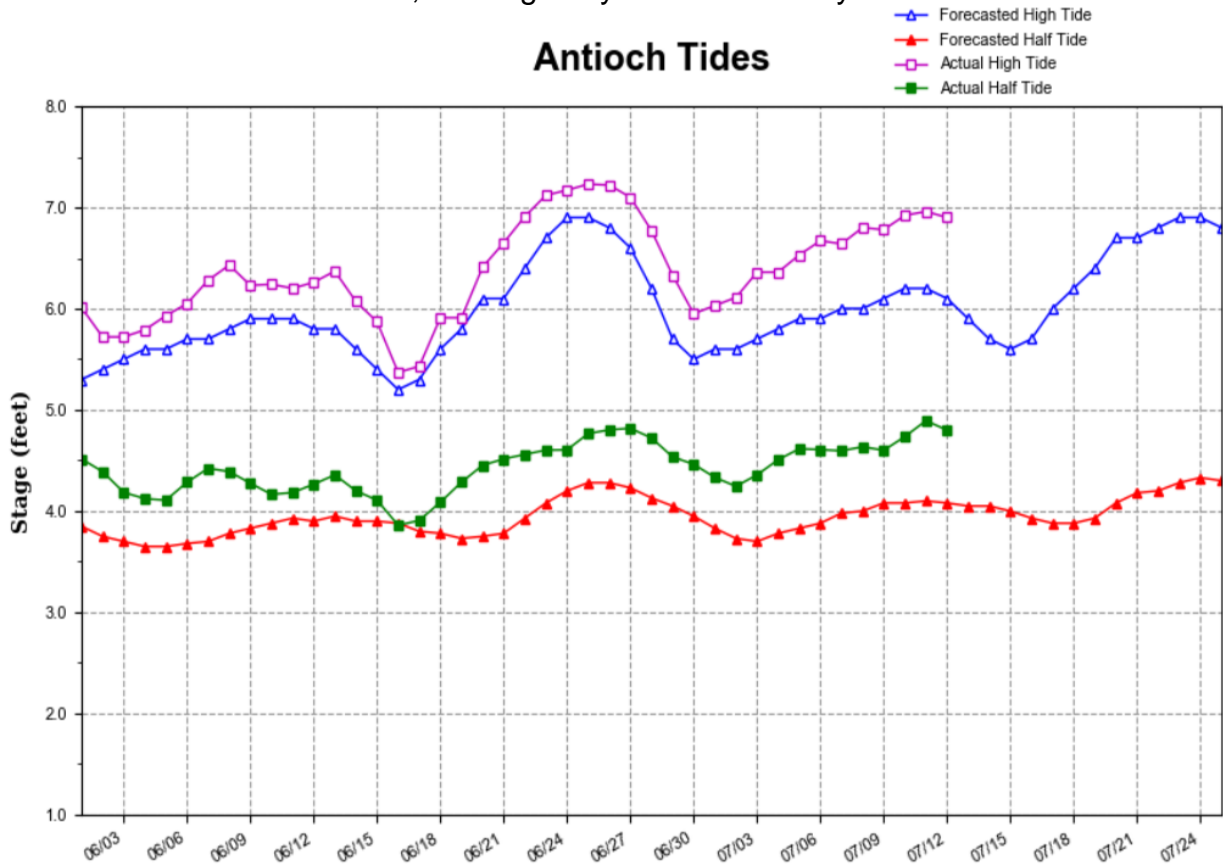


Figure 2: Forecasted and Actual High Tide and Half Tide

In response to the elevated salinity, the Projects initiated the following actions: Beginning on June 19, the Projects initiated a one-facility minimum export operation which reduced combined exports by about 200-300 cfs. However, due to the record drought conditions, the options for improving Delta conditions were limited. Upstream releases and Delta Cross Channel Gate operations were the only remaining options for salinity management. Because of the high tidal energy, additional Delta outflow has a limited freshening effect on Delta salinity. Nonetheless, Oroville and Shasta releases were increased for a net flow improvement to Freeport of 500 cfs on July 2, leveling off to a net increase of 200 cfs due to Folsom reductions from July 3 to July 8, followed by another net increase of approximately 500 cfs from July 9th onward. Figure 2 shows the total Project reservoir releases lagged to the Delta during this period. In response to the Threemile Slough exceedance, the Delta Cross Channel Gates were closed from June 29 to July 2 to maintain the fresher water associated with the higher releases in the North Delta corridor.

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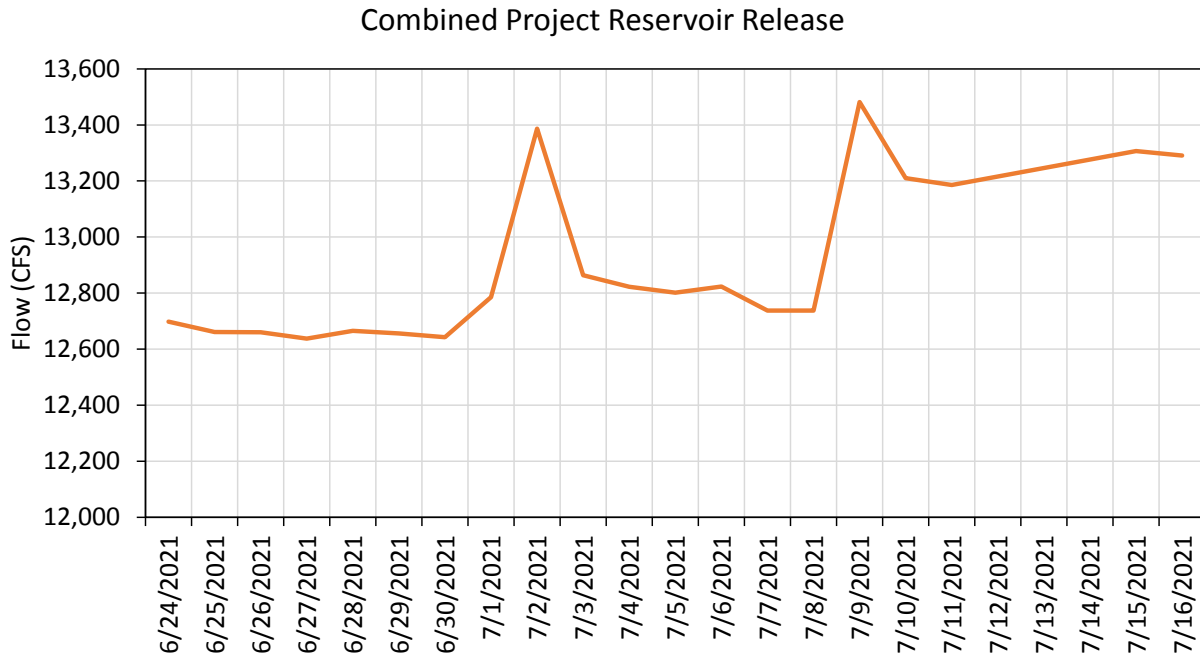


Figure 2: Total Project Reservoir Release (combined Keswick, Oroville/Thermalito and Nimbus releases lagged to the Delta

Conditions in the western Delta have since improved. By July 8, compliance had returned to Jersey Point with the 14-day EC at 2.20 mmS/cm and by July 14 compliance had returned to Three Mile Slough with the 14-day EC at 2.77 mmS/cm. Figure 3 shows the 14-day EC values prior to and through the exceedance period.

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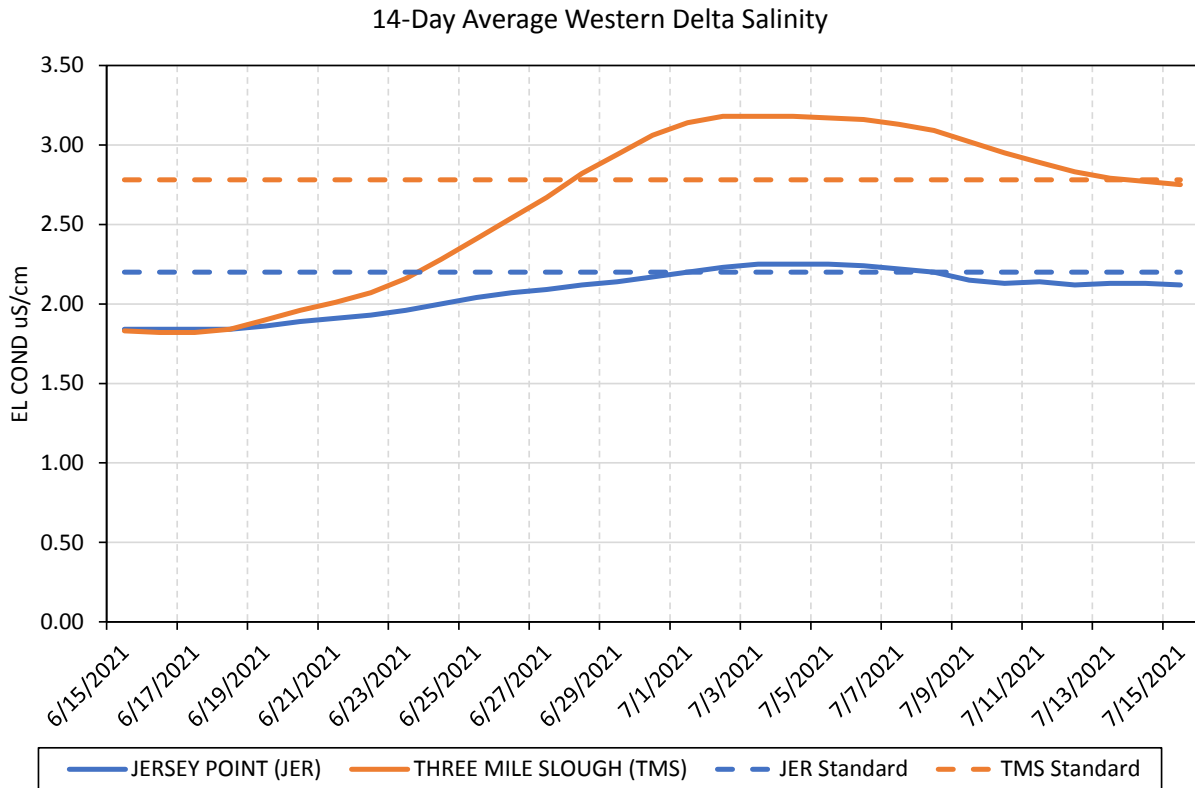


Figure 3: 14-day EC for Western Delta Compliance Stations

If you have any questions or would like more information regarding this notification, please contact Ms. Molly White at (916) 574-2722 or Ms. Liz Kiteck of Reclamation at (916) 979-2684.

Sincerely,

Molly White

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 Water Operations Office
 Division of Operations and Maintenance
 Department of Water Resources

Kristin White

Kristin White, Operations Manager
 Central Valley Operations Office
 Bureau of Reclamation

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