



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

Erik Ekdahl
 State Water Resources Control Board
 1001 I Street
 Sacramento, California 95814
 Subject: Report on Condition 6 of the April 4, 2022 Temporary Urgency Change Order

Dear Mr. Ekdahl:

In its April 4, 2022 Order Approving Temporary Urgency Changes to Water Right License and Permit Terms Relating to Delta Water Quality Objectives (Order), the State Water Resources Control Board (Water Board) required the Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (Reclamation) to, *“in the event of improved hydrologic conditions [in 2023], evaluate the feasibility of dedicating a portion of the water conserved as a result of the changes approved in this Order to provide pulse flows or other flow enhancements above and beyond D-1641 requirements.”* In compliance with this requirement, DWR and Reclamation are presenting this report.

The Order was in place from April 4 through June 30, 2022. The Projects accounted for conserved water under the Order, and monthly reports of this accounting were submitted to the State Water Resources Control Board and fishery agencies as required.

Over the period when the Order was in effect, DWR and Reclamation estimate that up to 412 thousand-acre-feet (TAF) of water was not released to meet D-1641 outflow, Western Delta agricultural water quality requirements, and the San Joaquin River flow objective. A monthly breakdown of the total volume not released follows in Table 1 below.

April	May	June
107 TAF	167 TAF	139 TAF

Table 1: Estimated water conserved as a result of the TUCO by month

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Water not released due to these modified objectives was temporarily retained in upstream reservoirs; estimated volumes are 229 TAF for Oroville and 176 TAF for Folsom, and 7.2 TAF for New Melones. However, as water supply was limited due to the drought, water not released from the reservoirs to meet certain objectives during the April through June period was later released to meet other requirements in WY2022. End-of-September storage values are shown in Table 2, below.

Reservoir	Actual EOS Storage
Shasta	1.5 MAF
Oroville	1.25 MAF
Folsom	350 TAF
New Melones	600 TAF

Table 2: End of September storage

Furthermore, since September 30, 2022, Folsom has filled and spilled; approximately 652 TAF was released from Folsom for flood management in January alone. Thus, the 176 TAF which was not released during the April through June period is not available for pulse flows.

On December 1, 2022, Lake Oroville storage was at 964 TAF and 55% of historical average and 27% of capacity. A series of atmospheric rivers in late December, January, and March has brought heavy precipitation and snowpack to the Feather River Basin. Through March 7, 2023, releases were minimum to the Feather River (1,050 cfs). On March 8, 2023, DWR began increasing releases from Lake Oroville to accommodate the high projected inflows expected through the week of March 13, 2023. As of March 13, 2023, releases to the Feather River were 15,000 cfs. Considering the March storm events, DWR expects continued elevated releases to manage lake levels, and as such, it is likely that all savings that were attributed to the 2022 TUCO will be released for flood control purposes.

If you have any questions about this submittal, please contact Molly White of DWR at (916) 574-2722 or Kristin White of Reclamation at (916) 979-2199.

Sincerely,

Molly White

Molly White, Manager
 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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