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**Subject:** Electronic Transmittal: Conserved Water Accounting for Condition 4 of the April 2022 under TUCP Order for June 2022

**EXTERNAL:**

Condition 4 of the April 4, 2022 Order Conditionally Approving a Petition for Temporary Urgency Changes in License and Permit Terms and Conditions requires the Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (Reclamation) to “calculate and maintain a record of the amount of water conserved in storage and identify the reservoir(s) where storage is conserved. These records shall be submitted on a monthly basis to the State Water Board and fisheries agencies within 10 business days after the first day of the following month.” In compliance with this requirement, DWR and Reclamation are presenting the attached table showing daily accounting for conserved water under the Order for the period of June 1 through June 30, 2022.

Under D-1641, the Net Delta Outflow requirement for June was 7,100 cfs on a three-day average (or the equivalent salinity measured as 2.64 EC at Collinsville) all month long. The April 4 Order modified this requirement to 4,000 cfs on a 14-day average. The Order also modified the location of the Western Delta agricultural standard compliance point from Emmaton to Threemile Slough, when the projects are not diverting or storing water. The minimum San Joaquin River base flow requirement at Vernalis was 710 cfs under D1641.

The estimated amount of water that would have been required to meet the unmodified D-1641 standards for the period of June 1 through June 30 was determined to be 138.3 TAF. All of this water was conserved as a result of the modified Net Delta Outflow requirement. The addition of 138.3 TAF to meet the unmodified Net Delta Outflow of 7100 cfs would have also met the modified Western Delta agricultural standard in the month of June. Therefore, no additional water was conserved as a result of the Western Delta ag standard modification. The average flow at Vernalis for the month of June was 707 CFS. Because the requirements from D1641 and the Order were the same for San Joaquin River flows, no water was conserved for that objective. All of the 138.3 TAF was likely conserved in Folsom and Oroville storages in the month of June.

If you have any questions or would like more information, please contact me at (916) 574-2660.

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May Date	Water Conserved from TUCP?			Daily Combined Exports	Historical 3- day Outflow (cfs)	Modeled 3- day Outflow (cfs)	Estimated Additional Outflow to meet X2	Historical Vernalis (cfs)	Modeled Vernalis (cfs)	Estimated Additional Flow to meet Vernalis (cfs)	Estimated Total Additional Outflow Needed (cfs)	Estimated Water Shortage (TAF)
	NDOI	Vernalis	EC									
6/1/2022	x			1095	5098	7181	2250	718	718	0	2250	4.5
6/2/2022	x			1112	4912	7162	2500	687	687	0	2500	5.0
6/3/2022	x			1131	4655	7238	3000	682	682	0	3000	5.9
6/4/2022	x			1113	4448	7282	3000	688	688	0	3000	5.9
6/5/2022	x			1143	4317	7317	3000	739	739	0	3000	5.9
6/6/2022	x			1128	4567	7234	2000	787	787	0	2000	4.0
6/7/2022	x			1121	4936	7269	2000	771	771	0	2000	4.0
6/8/2022	x			1112	5205	7205	2000	686	686	0	2000	4.0
6/9/2022	x			1101	5356	7273	1750	654	654	0	1750	3.5
6/10/2022	x			1101	5428	7261	1750	656	656	0	1750	3.5
6/11/2022	x			1115	5281	7281	2500	639	639	0	2500	5.0
6/12/2022	x			1097	4963	7213	2500	679	679	0	2500	5.0
6/13/2022	x			1125	4697	7280	2750	729	729	0	2750	5.5
6/14/2022	x			1122	4938	7271	1750	712	712	0	1750	3.5
6/15/2022	x			1115	5071	7321	2250	641	641	0	2250	4.5
6/16/2022	x			1111	5080	7247	2500	648	648	0	2500	5.0
6/17/2022	x			1101	4897	7314	2500	642	642	0	2500	5.0
6/18/2022	x			1130	4833	7333	2500	604	604	0	2500	5.0
6/19/2022	x			1124	4848	7265	2250	676	676	0	2250	4.5
6/20/2022	x			1089	4777	7194	2500	756	756	0	2500	5.0
6/21/2022	x			1113	4655	7155	2750	753	753	0	2750	5.5
6/22/2022	x			1116	4418	7251	3250	658	658	0	3250	6.4
6/23/2022	x			1110	4175	7258	3250	649	649	0	3250	6.4
6/24/2022	x			1126	4059	7309	3250	722	722	0	3250	6.4
6/25/2022	x			1228	4090	7256	3000	743	743	0	3000	5.9
6/26/2022	x			1231	4386	7302	2500	734	734	0	2500	5.0
6/27/2022	x			1243	4683	7266	2250	823	823	0	2250	4.5
6/28/2022	x			829	5212	7295	1500	855	855	0	1500	3.0
6/29/2022	x			830	5917	7250	250	764	764	0	250	0.5
6/30/2022	x			1160	6515	7265	500	717	717	0	500	1.0

Total (TAF)\* 138.3  
Total SJR (TAF)\* 0.0  
Total SR (TAF)\* 138.3

**D-1641 Standards**  
0 days: NDOI 11,400 cfs 3-day or CHP daily/14-day EC below 2.64 mmos/cm  
30 days: NDOI 7,100 cfs 3-day or CLL daily/14-day EC below 2.64 mmos/cm  
Vernalis Monthly Avg 710 cfs ( 7-Day Avg 568 cfs)  
DRAFT Subject to Revision