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Westlands Water District  
MEMORANDUM

TO: SLDMWA BOARD OF DIRECTORS  
FROM: TOM BOARDMAN, WATER RESOURCES ENGINEER  
SUBJECT: OCTOBER OPERATIONS UPDATE  
DATE: OCTOBER 1, 2021

Project Operations

- Jones pumping averaged slightly more than 2,200 cfs during September as Reclamation began to release backed up transfer water in Shasta and Sac Valley depletions declined. Not since October 2020 has CVP exports exceeded the September monthly average. CVP pumping was reduced during the last two days of September to ensure compliance with the Delta outflow standard per D-1641 requirements. Pumping during October is projected to be about 2-3 units or 1,700-2,700 cfs as Reclamation releases the remainder of backed up transfer water stored in Shasta.
- The SWP pumping during September was the fifth consecutive month with pumping below 400 cfs. DWR's latest operation forecast shows SWP exports to increase to about 800 cfs to wheel backed up transfer water in Oroville. SWP pumping will return to near minimum levels of 300 cfs for the remainder of the calendar year.
- The current accounting balance under Coordinated Operations Agreement is estimated to be about 200 TAF in favor of the CVP. A more precise estimate of the COA balance is unavailable at this time due to pending accounting adjustments related to transfer pumping and CVP releases from New Melones to meet delta standards.
- Shasta storage ended the water year at 1,072 TAF with 1977 being the only year with lower storage during the past 60 years. Reclamation's most recent operations forecast is based on a 99% exceedance hydrology which shows Shasta refilling to only 1.55 MAF by May 2022. Operations forecasts under wetter hydrology are not yet available from Reclamation.
- Carry over storage in Folsom exceeded Reclamation's projection by 12 TAF at 230 TAF. The current release is 50 cfs more than the minimum allowable rate at 550 cfs. Reclamation is evaluating a potential power bypass in an effort to improve water temperatures for migrating salmon. The approximate 7-week power bypass operation is estimated to reduce power generation revenue by about \$400,000.
- CVP demands were about 110 TAF during September; about 60% of the 15-year average.

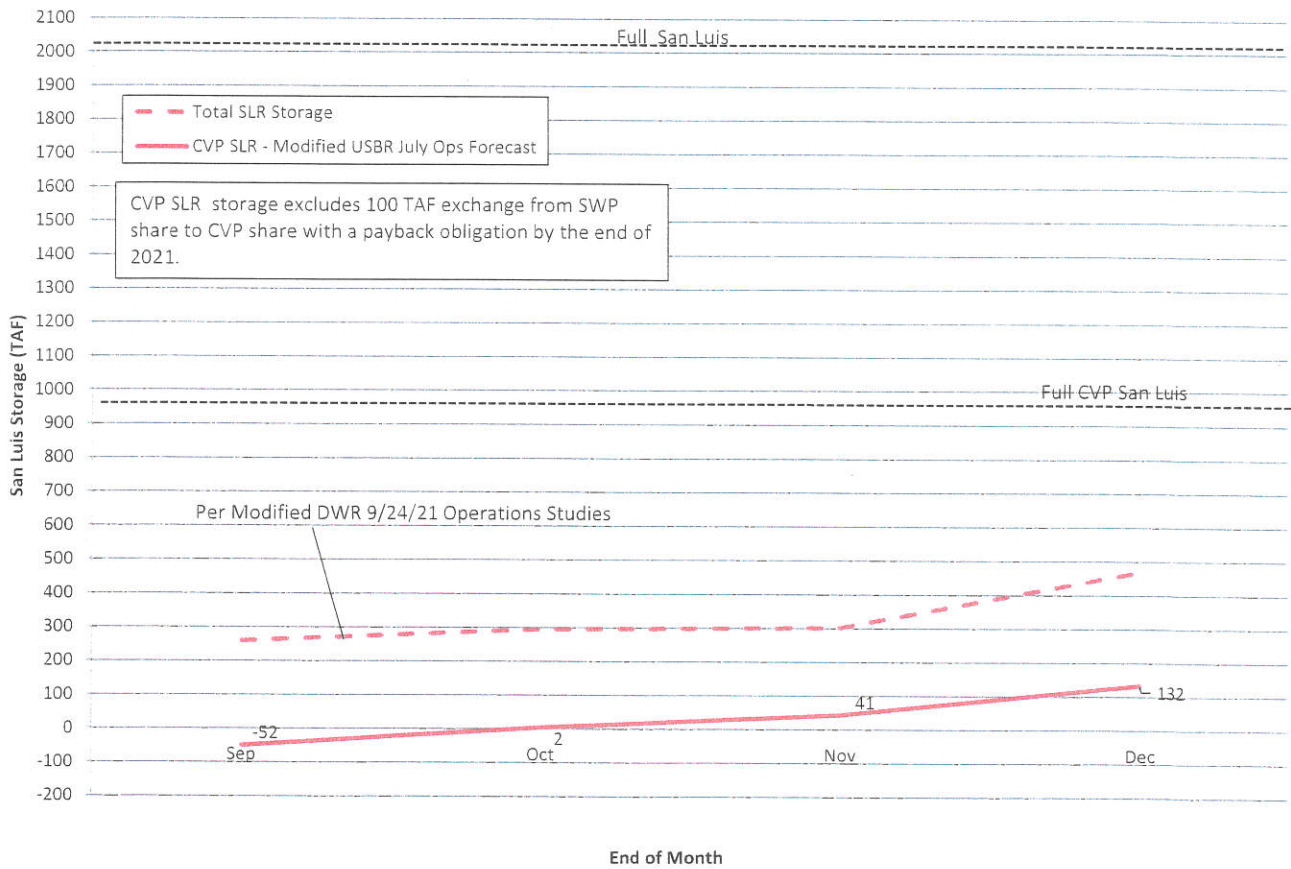
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## 2021 San Luis Reservoir Operations

Reclamation's reported storage in the CVP share of San Luis Reservoir (SLR) storage is at 43 TAF. However, actual CVP storage is estimated to be about -57 TAF with the inclusion of a 100 TAF of storage exchanges from the State Water Project (SWP) share to the CVP share. By the end of the transfer period in November, an estimated 200 TAF will be stored in the CVP SLR. As such, Reclamation will be unable to pay back the SWP for exchanged water until CVP SLR exceeds the amount of stored non project water which may not occur until early next year with continued dry conditions.

The attached SLR projection chart under 90% exceedance conditions shows that, excluding the exchanged water owed to the SWP, refill of the CVP share of SLR will not exceed its share of Deadpool storage of 35 TAF until late November. Under 50% exceedance conditions, Reclamation may have sufficient storage to return most of the exchanged 100 TAF to the SWP share by late December.

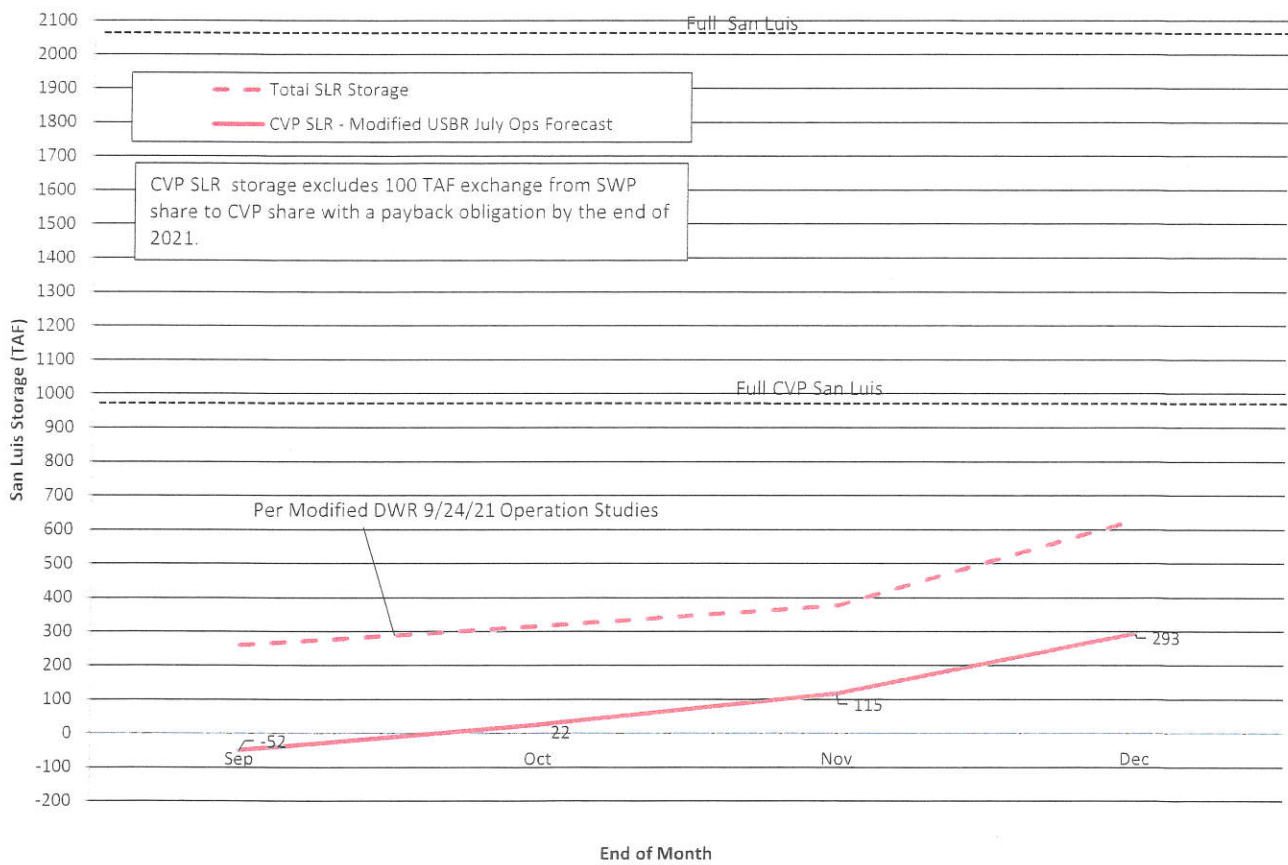
## 2020-21 San Luis Storage Projection 90% Exceedance Hydrology



T. Boardman, WWD  
9/29/2021

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## 2020-21 San Luis Storage Projection 50% Exceedance Hydrology



T. Boardman, WWD  
9/29/2021

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DEL PUERTO WATER DISTRICT 2021-22 SUPPLY/USE/COMPLETED TRANSACTIONS SUMMARY  
as of September 30, 2021

Supply Type	2021-22
2020-21 Rescheduled Contract Supply	14,021
2020-21 Rescheduled YCWA Supply	583
2020-21 Rescheduled Warren Act Supply	49
2020-21 Rescheduled NVRWP Supply	1,288
Lees: Monthly 1% Storage Loss Est.	(288)
Sub-Total: Rescheduled Supplies	15,653
2021 CVP Allocation (0%)	0
2021 Ground Water Pump-Ins	1,687
2021 NVRWP	19,208
2021 CCID Exchange	3,787
Sub-Total: Current Year Customer Supplies	24,682
2021 YCWA (Net of SLWD/WWD 2022 Pre-delivery)	2,020
2021 GWD Transfer	300
2021 Volta Wells Transfer	167
2021 CCWD Transfer	2,000
2021 PID Transfer	1,000
2021 Mapes Transfer	6,118
2021 SEWD Transfer	6,051
Subtotal: Outside Purchases	17,656
<b>Total Gross Projected Supply Available</b>	<b>57,991</b>

Sep 2021 Quantity	Completed to Date
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53	832
2175	15411
623	3787

18	1552
35	196
48	91
0	2000
0	1000
0	0
2343	5241

2020-21 IN DISTRICT USE		2021-22 IN DISTRICT USE	2021-22 OCRP USE	2021-22 TRANSFERS OUT	2021-22 MONTHLY USE
2,704	MAR	1,930			1,930
4,123	APR	4,307			4,307
7,286	MAY	5,716		500	6,216
8,931	JUN	6,976			6,976
9,443	JUL	7,551			7,551
6,967	AUG	4,654			4,654
4,545	SEP	2,984			2,984
3,743	OCT				
2,183	NOV				
681	DEC				
234	JAN				
1,088	FEB				
51,928		34,118	0	500	
<b>TOTAL USED &amp; TRANSFERRED OUT</b>					<b>34,618</b>
<b>TOTAL SCHEDULED</b>					<b>3,958</b>
<b>TOTAL ESTIMATED FOR RESCHEDULING INTO 2022-23</b>					<b>19,415</b>
<b>TOTAL GROSS PROJECTED SUPPLY AVAILABLE</b>					<b>57,991</b>

NOTE: The District has 3,425 AF in storage at AEWS and 2,000 AF in storage at LTRID as of 9/30/20.

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10.15.21  
Based on 0% Allocation

Customers	14547
Late Cust.	500
WWD	500
SLWD	2000
	17,547

YEAR 2021-22	THIS SCENARIO ASSUMES ALL TRANSACTIONS PERFECTED														10,000 Gross
	150	395	303	326	179	1157	2000	119	1000	9500	3772	300	167	6051	25419
	District C/O	Pacheco Return	SLCC	FCWD	Prior Yr NVRWP	NVRWP Turnback	CCWD	HOMER	PID	Mapes Trxfr	YCWA	GWD L2 Exch	Volta Well Exch	SEWD	
SLDMWA	\$29.00	\$29.00	\$29.00	\$29.00	\$13.00	\$13.00	\$29.00	\$29.00	\$29.00	\$13.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00
BOR Rate	\$40.00	\$40.00								\$68.00	\$40.00				
Other										\$150.00					
To Seller		-\$575.00	\$950.00	\$725.00	\$200.00	\$175.00	\$200.00	\$1,250.00	\$360.00	\$425.00	\$620.00	\$400.00	\$400.00	\$444.00	
Est Cost	\$69.00	-\$506.00	\$979.00	\$754.00	\$213.00	\$188.00	\$229.00	\$1,279.00	\$389.00	\$675.53	\$689.00	\$429.00	\$429.00	\$473.00	
	<u>150</u>	<u>395</u>	<u>303</u>	<u>326</u>	<u>179</u>	<u>1,157</u>	<u>2,000</u>	<u>119</u>	<u>1,000</u>	<u>9,500</u>	<u>3,772</u>	<u>300</u>	<u>167</u>	<u>6,051</u>	25,419
	\$10,350.00	-\$199,870.00	\$296,637.00	\$245,804.00	\$38,127.00	\$217,516.00	\$458,000.00	\$152,201.00	\$389,000.00	\$6,417,500.00	\$2,598,908.00	\$128,700.00	\$71,643.00	\$2,862,123.00	\$13,016,548.97
															\$512.08

YEAR 2021-22	THIS SCENARIO ASSUMES ALL TRANSACTIONS PERFECTED WITH MAPES TRANSFER AT 50%														5,000 Gross
	150	395	303	326	179	1157	2000	119	1000	4750	3772	300	167	6051	20669
	District C/O	Pacheco Return	SLCC	FCWD	Prior Yr NVRWP	NVRWP Turnback	CCWD	HOMER	PID	Mapes Trxfr	YCWA	GWD L2 Exch	Volta Well Exch	SEWD	
SLDMWA	\$29.00	\$29.00	\$29.00	\$29.00	\$13.00	\$13.00	\$29.00	\$29.00	\$29.00	\$13.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00
BOR Rate	\$40.00	\$40.00								\$68.00	\$40.00				
Other										\$150.00					
To Seller		-\$575.00	\$950.00	\$725.00	\$200.00	\$155.00	\$200.00	\$1,250.00	\$360.00	\$626.00	\$620.00	\$400.00	\$400.00	\$444.00	
Est Cost	\$69.00	-\$506.00	\$979.00	\$754.00	\$213.00	\$168.00	\$229.00	\$1,279.00	\$389.00	\$887.11	\$689.00	\$429.00	\$429.00	\$473.00	
	<u>150</u>	<u>395</u>	<u>303</u>	<u>326</u>	<u>179</u>	<u>1,157</u>	<u>2,000</u>	<u>119</u>	<u>1,000</u>	<u>4,750</u>	<u>3,772</u>	<u>300</u>	<u>167</u>	<u>6,051</u>	20,669
	\$10,350.00	-\$199,870.00	\$296,637.00	\$245,804.00	\$38,127.00	\$194,376.00	\$458,000.00	\$152,201.00	\$389,000.00	\$4,213,750.00	\$2,598,908.00	\$128,700.00	\$71,643.00	\$2,862,123.00	\$10,789,658.97
															\$522.02

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