



Westlands Water District

MEMORANDUM

TO: SLDMWA BOARD OF DIRECTORS
FROM: TOM BOARDMAN, WATER RESOURCES ENGINEER
SUBJECT: SEPTEMBER OPERATIONS UPDATE
DATE: SEPTEMBER 9, 2022

Project Operations

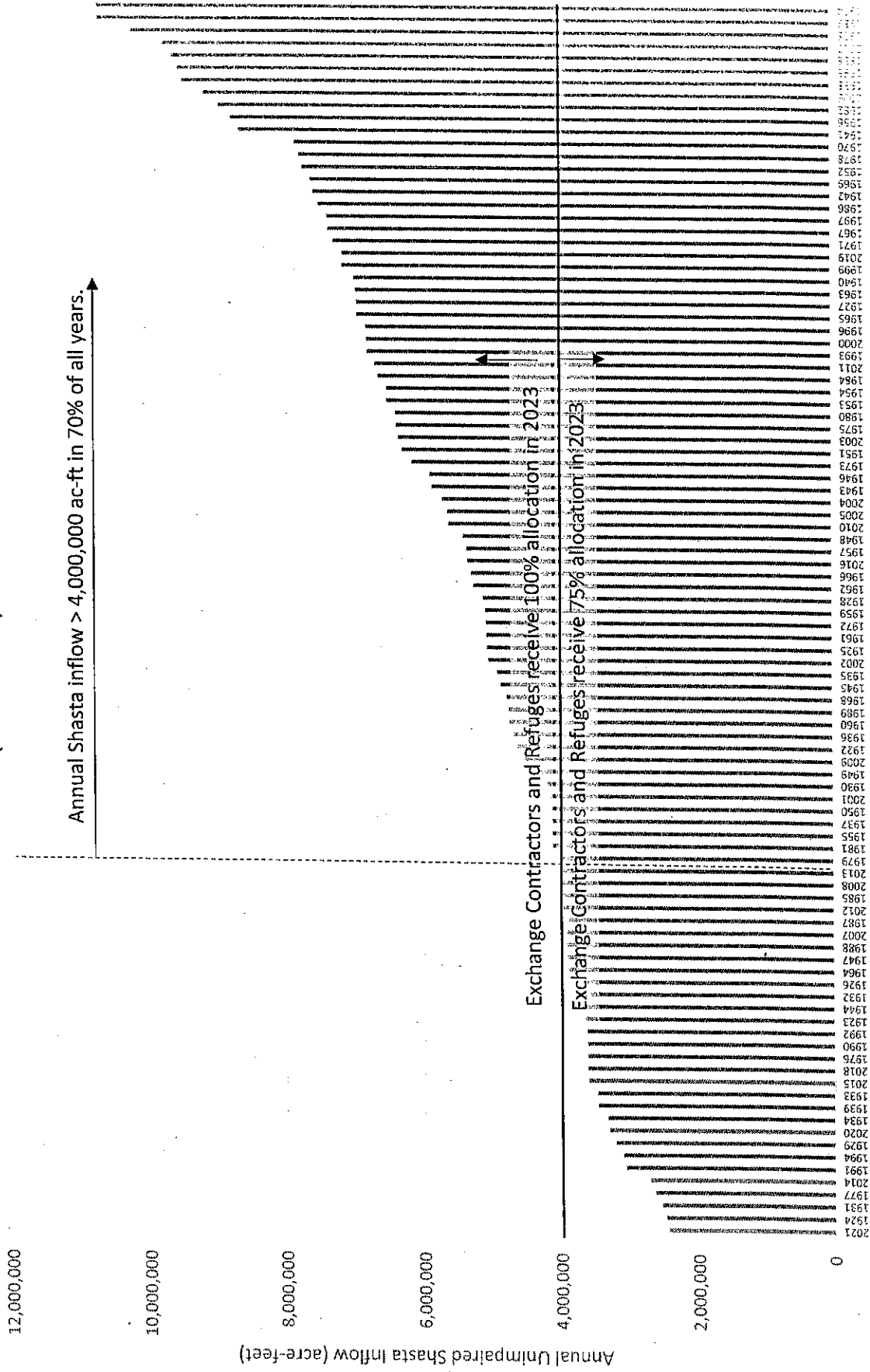
- The Jones pumping rate averaged about 2,700 cfs at a three-unit operation throughout August. Following a brief decline in Delta inflow that prompted a pumping reduction to two-units (1,800 cfs) this week, Jones is scheduled to resume a three-unit operation early next week. Absent early fall precipitation, Jones pumping will likely continue at or near its current rate through September and into October.
- Reclamation's latest forecast shows the accounting balance under the Coordinated Operations Agreement (COA) at about 10 TAF in favor of the CVP. The current balance excludes 59 TAF released from New Melones last year to meet part of the SWP's share of Delta requirements. Reclamation and DWR have yet to agree on the terms for payback of the New Melones water.
- Shasta storage is almost 400 TAF higher than this time last year at 1,566 TAF - 65% of average. Releases have reduced by 300 cfs to 4,200 cfs since late August to reach an expected carry storage of 1,480 TAF. The current draw down is trending about 50 TAF higher than Reclamation's projection.
- To avoid having a third successive Shasta critical year in 2023, the annual unimpaired Shasta inflow will need to exceed 4.0 MAF. Although the unimpaired inflow has been exceptionally low since 2021, the attached chart shows that 70 of the past 100 years have exceeded the 4.0 MAF inflow threshold for 2023.
- Trinity storage is 591 TAF, 44% of average. At the current draw down rate, carry over storage is estimated to be the second lowest on record at 521 TAF. A recent 30-day pulse flow release of 500 cfs to the Trinity River to control a parasitic outbreak on salmon in the lower Klamath River is contributing to the low storage.
- Folsom storage is 417 TAF - 88% of average. Reservoir releases have dropped from 3,250 cfs to 2,500 cfs so far this month to maximize the carryover storage which is trending almost 60 TAF higher than Reclamation latest estimate of 337 TAF.
- CVP demands for August were about 50% of the 15-year average. Deliveries to the refuges are expected to increase during the coming weeks as ag demands continue to taper off.

2022-23 San Luis Reservoir Operations

The current CVP share of the San Luis Reservoir (SLR) is at 190 TAF which includes an estimated 80 TAF of 2022 Project water. The CVP share has dropped by about 1 TAF since Jones pumping reduced to two units late last week. The attached San Luis storage projection charts show that CVP storage may refill by next spring to 520 TAF and 810 TAF under dry and median conditions, respectively.

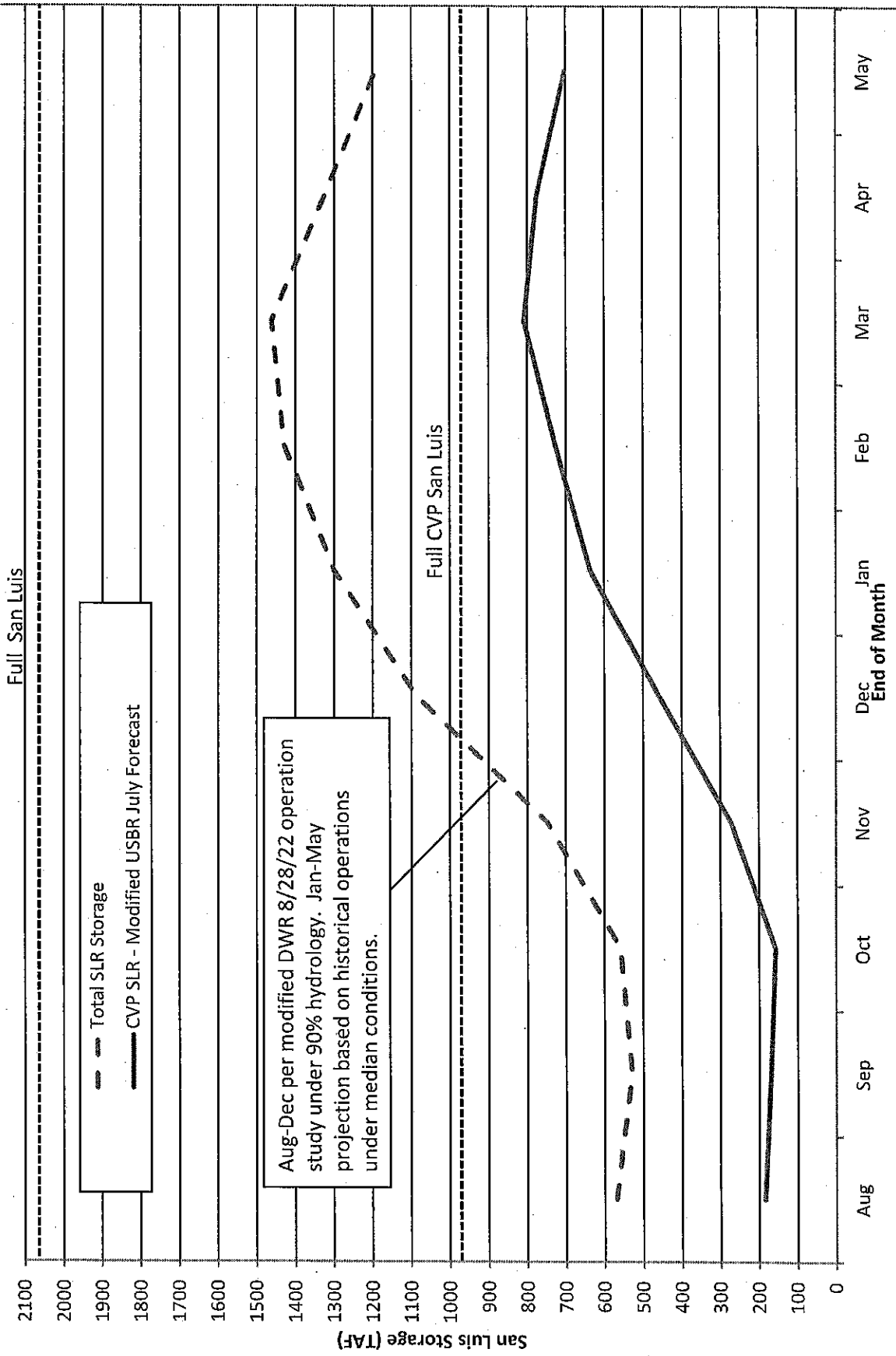
20

Annual Unimpaired Shasta Inflow (1922-2021)



12

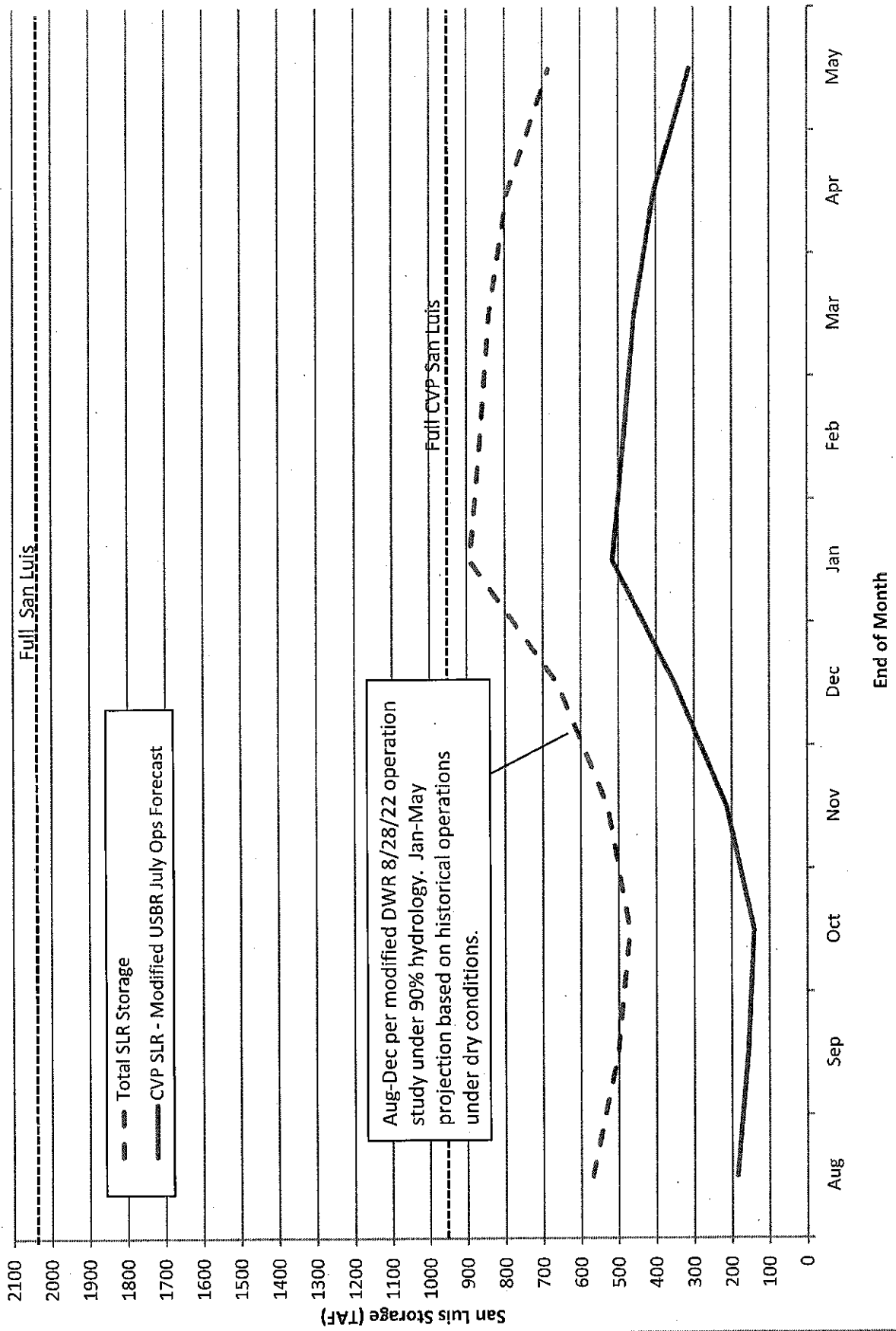
2022-23 San Luis Storage Projection 50% Exceedance Hydrology



23

2022-23 San Luis Storage Projection

90% Exceedance Hydrology



24

**DEPARTMENT OF WATER RESOURCES**

P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

8/29/2022

TO: State Water Project Contractors

SUBJECT: Water Conservation Actions for 2023

California is in its third consecutive year of extreme drought. With next year's conditions uncertain, the Department of Water Resources (DWR) is taking actions to prepare for the possibility of a fourth dry year. While these actions will benefit the State's drought response, all Californians must do their part to reduce water use.

DWR has sought and received temporary modifications to Delta water quality standards to conserve water supplies in upstream reservoirs for needs later in the year. DWR has also installed a salinity barrier in the Delta, which will keep saltwater from infiltrating the limited freshwater supply in the system. DWR is also coordinating with the U.S. Bureau of Reclamation on planning and operations of the State Water Project (SWP) and Central Valley Project. To preserve water for critical purposes next year DWR also made the difficult decision of reducing SWP and Feather River water allocations for 2022.

While these actions have helped preserve the State's water supply, Water Year 2023 will still begin with substantially reduced storage in Lake Oroville. Local supplies within many of your service areas are stressed after successive years of drought and low SWP allocations. Supplies from the Colorado River are scarcer due to dry conditions throughout the West. The continued uncertainties of climate change, extreme weather, and a third consecutive winter with La Niña conditions impacting the winter storm track lead to the strong possibility that we will see continued reductions to water supplies into 2023.

The most effective way for California to navigate this drought is to increase our water conservation. While we all have far more work to do in this area, several of your members have made significant strides towards meeting the goals in their Water Shortage Contingency Plans. DWR is available to assist with conservation efforts, especially to those agencies under mandatory water restrictions.

I encourage all SWP contracting agencies to continue to promote water conservation measures to your constituents to maintain precious water supplies. These proactive measures are a necessary step for all our agencies to take in the face of continued extreme drought conditions and dwindling local supplies.

Thank you for your continued efforts to conserve water for our future.

Sincerely,

Karla Nemeth
Karla A. Nemeth
Director

(See attached distribution list)

25

blank

VII.B.

DEL PUERTO WATER DISTRICT 2022-23 SUPPLY/USE/COMPLETED TRANSACTIONS SUMMARY
as of August 31, 2022

Supply Type	2022-23
2021-22 Rescheduled Warren Act Supply	1,453
2021-22 Rescheduled Warren Act Supply	4,291
2021-22 Rescheduled NVRWRP Supply	13,452
Less: Monthly 1% Storage Loss Est.	(423)
Sub-Total: Rescheduled Supplies	18,773
2022 CVP Allocation (0%)	0
2022 Ground Water Pump-Ins	1,254
2022 NVRWRP	19,168
2022 CCID Exchange	358
Sub-Total: Current Year Customer Supplies	20,780
2022 YCWA	2,367
2022 AEWSO	106
2022 GWD Transfer	250
2022 Volta Wells Transfer	175
2022 PID Transfer	716
2021 Mapes Transfer (Continued into 2022)	5,210
Subtotal: Outside Purchases	8,824
Total Gross Projected Supply Available	48,377

August 2022 Quantity	Completed to Date
----------------------	-------------------

124	768
2235	13326
111	316

1263	2367
0	106
17	80
24	42
716	0
0	3076

2021-22 IN DISTRICT USE		2022-23 IN DISTRICT USE	2022-23 OCRRP USE	2022-23 TRANSFERS OUT	2022-23 MONTHLY USE
1,930	MAR	1,824			1,824
4,307	APR	3,064			3,064
5,716	MAY	5,529			5,529
6,976	JUN	6,387			6,387
7,551	JUL	7,133			7,133
4,654	AUG	4,361			4,361
2,984	SEP				0
1,625	OCT				0
188	NOV				0
255	DEC				0
45	JAN				0
1,591	FEB				0
37,822		28,298	0	0	
TOTAL USED & TRANSFERRED OUT					28,298
TOTAL SCHEDULED					6,450
TOTAL ESTIMATED FOR RESCHEDULING INTO 2023-24					13,629
TOTAL GROSS PROJECTED SUPPLY AVAILABLE					48,377

NOTE: The District has 3,259 AF in storage at AEWSO and 2,000 AF in storage at LTRID.

26

blank

Del Puerto Water District
Active Permits and Licenses
As of August 31, 2022

Active Permits		<u>Issued Date</u>	<u>Expires</u>	<u>Project</u>	<u>Landowner/Entity</u>	<u>Location</u>
P2202026		3/3/2022	9/30/2022	Temporary Drafting of Construction Water - NextEra Solar Project	Ford Construction & Dacon Corp.	45.78R/Davis Road
P2302003		4/8/2022	5/31/2023	Monthly Water Samples for Trihalomethanes (THM's)	City of Turlock/NVRRWP	37.24 to 45.77
P2302018		8/3/2022	10/1/2022	Remove & Replace Pump and Motor (Extended to 10/1)	Gemperle	58.90L
P2302017		8/3/2022	12/1/2022	Temporary Storage of Commodities (Almonds & Gypsum)	Multiple	32.61 to 65.89
P2302020		8/16/2022	9/30/2022	Temporary Drafting of Drilling Water - DPCR Project	DPWD	39.21/Rogers Road
P2302021		8/26/2022	9/30/2022	Remove Abandoned Turnout	Baldwin Ranch Development	40.45L
Active Licenses		<u>Issued Date</u>	<u>Expires</u>	<u>Project</u>		<u>Location</u>
Contract No.		7/14/2015	Not Const.	Installation of Non-Project Warren Act Pump-In	Shiraz Ranch	51.00R

VII. D

27

blank