

Standard	Core	Delta smelt, delta smelt critical habitat
<p><b>OMR Management</b> From the onset of OMR management to June, Reclamation and DWR will operate to an OMR index no more negative than a 14-day moving average of -5,000 cfs unless a storm event occurs (described below). OMR could be more positive than -5,000 cfs if additional real-time OMR restrictions are triggered as (described below) or constraints other than OMR control exports. Reclamation and DWR propose to operate to an OMR index computed using an equation. An OMR index allows for shorter-term operational planning and real-time adjustments. Reclamation and DWR will make a change to exports within 3 days of the trigger when monitoring, modeling, and criteria indicate protection for fish is necessary. The 3-day trigger allows for efficient power scheduling.</p> <p><b>Onset of OMR Management:</b> Reclamation and DWR shall start OMR management when one or more of the following conditions have occurred:</p> <ul style="list-style-type: none"> <li>• Integrated Early Winter Pulse Protection (“First Flush” Turbidity Event): To minimize project influence on migration (or dispersal) of delta smelt, Reclamation and DWR propose to reduce exports for 14 consecutive days so that the 14-day averaged OMR index for the period shall not be more negative than -2,000 cfs, in response to “First Flush” conditions in the Delta. The population-scale migration of delta smelt is believed to occur quickly in response to inflowing freshwater and turbidity (Grimaldo <i>et al.</i> 2009; Sommer <i>et al.</i> 2011). Thereafter, the best available scientific information suggests that fish make local movements, but there is no evidence for further population-scale migration (Polanksky <i>et al.</i> 2018). “First Flush” conditions may be triggered between December 1 and January 31 and include:             <ul style="list-style-type: none"> <li>○ running 3-day average of the daily flows at Freeport is greater than 25,000 cfs and</li> <li>○ running 3-day average of the daily turbidity at Freeport is 50 Nephelometric Turbidity Units (NTU) or greater, or</li> </ul> </li> </ul>		

<ul style="list-style-type: none"> <li>o real-time monitoring indicates a high risk of migration and dispersal into areas at high risk of future entrainment.</li> <li>• This "First Flush" may only be initiated once during the December through January period and will not be required if: <ul style="list-style-type: none"> <li>o spent female delta smelt are collected in monitoring surveys.</li> </ul> </li> <li>• Salmonids Presence: After January 1, if more than 5 percent of any one or more salmonid species (wild young-of-year Winter-Run, wild young-of-year Spring-Run, or wild Central Valley Steelhead) are estimated to be present in the Delta as determined by their appropriate monitoring working group based on available real-time data, historical information, and modeling.</li> </ul>		
<p><b><u>Additional Real-Time OMR Restrictions and Performance Objectives:</u></b></p> <p>Reclamation and DWR shall manage to a more positive OMR than -5,000 cfs based on the following conditions:</p> <ul style="list-style-type: none"> <li>• Turbidity Bridge Avoidance ("South Delta Turbidity"): After the Integrated Early Winter Pulse Protection (above) or February 1, whichever comes first, and until a ripe or spent female is detected or April 1 (whichever comes first), Reclamation and DWR propose to manage exports in order to maintain daily average turbidity in Old River at Bacon Island (OBI) at a level of less than 12 NTU. The purpose of this action is to minimize the risk to adult delta smelt in the Old and Middle River corridor, where they are subject to higher entrainment risks. This action seeks to avoid the formation of a turbidity bridge from the San Joaquin River shipping channel to the south Delta fish facilities, which historically has been associated with elevated salvage of pre-spawning adult delta smelt. If the daily average turbidity at Bacon Island cannot be maintained less than 12 NTU, Reclamation and DWR will manage exports to achieve an OMR no more negative than -</li> </ul>		

VII. A.

**Anthea Hansen**

---

**From:** Pablo Arroyave <pablo.arroyave@sldmwa.org>  
**Sent:** Monday, January 24, 2022 1:56 PM  
**To:** Bobby.Pierce@weststanislausid.org; Jacob Oxenrider; Yuan Liu; Danny@TrqID.com; Tom Boardman; Dana Jacobson; ckao@valleywater.org; J. Scott Petersen; ortega@gwdwater.org; sstadler@jamesid.org; Federico Barajas; White, Kristin N; Vincent Gin; KITECK, ELIZABETH G; Steve Stadler; JCattaneo@sbcwd.com; Frances Mizuno; Paul Stearns; Deanna Sereno; Lon Martin; Lucinda Shih; Adam Hoffman; rfreeman@westlandswater.org; Anthea Hansen; Chris White; azhderian@panochewd.org; jmartin@ccidwater.org; Rick Gilmore; dweisenberger@banta-carbona.org; 'Jose Gutierrez'; Chauncey Lee; Seth Harris  
**Cc:** KaHo Kong; Ian Buck-Macleod; Alma Antuna; Steve Chedester; Jose Rangel; Katarina Campbell; Janet Roy; Ara Azhderian; Andrew Garcia; Russ Freeman; Katrina Jessop  
**Subject:** January 90% and 50% exceedance forecasts.  
**Attachments:** Jan50\_WY2022.pdf; Jan90\_WY2022.pdf

All: Please find attached the Jan 2022 CVP operations forecast at 90% and 50% exceedance levels. Though this study captures Dec 2021 precipitation, Jan 2022 continues to be dry, and we expect decreased runoff to be reflected in the Feb 2021 forecast. Therefore, absent the return to normal precip. levels in February, even the 90% forecast may be a bit optimistic. Thanks

Pablo R. Arroyave  
 Chief Operating Officer  
 209-832-6230



31

Estimated CVP Operations 50% Exceedance

Storages

Federal End of the Month Storage/Elevation (TAF/Feet)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Trinity	720	793	958	1155	1308	1285	1177	1093	985	869	820	812	843
	Elev.	2230	2250	2272	2286	2284	2274	2265	2253	2240	2233	2232	2236
Whiskeytown	206	206	206	206	238	238	238	238	238	238	206	206	206
	Elev.	1199	1199	1199	1209	1209	1209	1209	1209	1209	1199	1199	1199
Shasta	1331	1654	2312	3101	3524	3816	3799	3597	3372	3281	3205	3190	3241
	Elev.	936	975	1012	1030	1041	1040	1032	1024	1020	1017	1016	1018
Folsom	588	554	546	735	867	953	960	848	751	650	577	550	540
	Elev.	423	422	443	456	464	465	454	445	434	426	423	422
New Melones	941	988	1037	1108	1070	1100	1138	1075	1010	974	935	952	976
	Elev.	941	948	957	952	956	961	953	944	939	933	936	939
San Luis	102	325	508	664	584	396	249	86	15	56	181	349	555
	Elev.	436	467	488	475	449	423	414	423	448	470	499	525
<b>Total</b>		<b>4519</b>	<b>5567</b>	<b>6969</b>	<b>7591</b>	<b>7788</b>	<b>7561</b>	<b>6937</b>	<b>6370</b>	<b>6069</b>	<b>5924</b>	<b>6060</b>	<b>6362</b>

State End of the Month Reservoir Storage (TAF)

Oroville	1359	1665	2329	3002	3300	3522	3521	2961	2413	2138	2020	1954	1969
	Elev.	749	812	864	885	899	899	861	819	795	785	778	780
San Luis	514	512	634	710	650	563	465	553	704	893	994	1145	1247
<b>Total San Luis (TAF)</b>	<b>616</b>	<b>837</b>	<b>1142</b>	<b>1374</b>	<b>1234</b>	<b>959</b>	<b>714</b>	<b>639</b>	<b>719</b>	<b>949</b>	<b>1176</b>	<b>1494</b>	<b>1802</b>
	Elev.	436	467	488	475	449	423	414	423	448	470	499	525

Monthly River Releases (TAF/cfs)

Trinity	TAF	18	17	18	36	258	126	88	53	52	23	18	18
	cfs	300	300	300	600	4,189	2,120	1,102	857	870	373	300	300
Clear Creek	TAF	12	11	22	12	22	22	9	9	9	12	12	12
	cfs	200	200	362	200	362	368	150	150	150	200	200	200
Sacramento	TAF	200	180	200	193	200	357	492	492	357	369	327	338
	cfs	3250	3250	3250	3250	3250	6000	8000	8000	6000	6000	5500	5500
American	TAF	277	472	369	387	446	328	261	215	208	154	119	123
	cfs	4500	8500	6000	6500	7250	5508	4251	3500	3500	2500	2006	2000
Stanislaus	TAF	14	28	32	91	76	22	15	15	15	48	12	12
	cfs	226	497	523	1537	1242	363	250	250	250	774	200	200
Feather	TAF	58	53	127	253	99	164	579	595	379	146	104	108
	cfs	950	950	2070	4250	1610	2760	9420	9680	6370	2370	1750	1750

Trinity Diversions (TAF)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Carr PP	2	2	11	30	18	46	69	70	69	38	20	9
Spring Crk. PP	25	35	26	10	10	30	60	60	60	60	15	12

Delta Summary (TAF)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Tracy	237	228	250	48	49	200	260	260	250	260	250	258
USBR Banks	0	0	0	0	0	0	15	15	15	0	0	0
Contra Costa	14.0	14.0	12.7	12.7	12.7	9.8	11.1	12.7	14.0	16.8	18.4	18.3
<b>Total USBR</b>	<b>251</b>	<b>242</b>	<b>263</b>	<b>60</b>	<b>62</b>	<b>210</b>	<b>286</b>	<b>288</b>	<b>279</b>	<b>277</b>	<b>268</b>	<b>276</b>
State Export	110	143	170	42	44	110	362	414	397	312	313	250
<b>Total Export</b>	<b>361</b>	<b>385</b>	<b>433</b>	<b>102</b>	<b>106</b>	<b>320</b>	<b>648</b>	<b>702</b>	<b>676</b>	<b>589</b>	<b>581</b>	<b>526</b>
COA Balance	300	300	300	300	300	285	162	162	162	162	204	204

Vernalis	TAF	93	127	140	181	175	69	54	52	57	117	83	83
	cfs	1511	2280	2280	3038	2843	1153	884	852	956	1897	1393	1355

Old/Middle River Std.													
Old/Middle R. calc.	cfs	-4,432	-4,903	-4,984	-543	-638	-4,210	-8,310	-8,986	-8,910	-7,112	-7,488	-6,573

Computed DOI	25800	42684	34438	29736	18756	9531	6507	5645	4976	4506	4505	10232
Excess Outflow	19797	31284	23035	18339	7499	0	0	1643	1967	504	0	5728
% Export/Inflow	18%	14%	17%	5%	7%	29%	48%	53%	58%	58%	62%	44%
% Export/Inflow std.	65%	45%	35%	35%	35%	35%	65%	65%	65%	65%	65%	65%

Hydrology

Water Year Inflow (TAF)	Trinity	Shasta	Folsom	New Melones
Year to Date + Forecasted	1287	5,313	3,636	1144
% of mean	107%	96%	134%	108%

CVP actual operations do not follow any forecasted operation or outlook; actual operations are based on real-time conditions.

CVP operational forecasts or outlooks represent general system-wide dynamics and do not necessarily address specific watershed/tributary details.

CVP releases or export values represent monthly averages.

CVP Operations are updated monthly as new hydrology information is made available December through May.

**Estimated CVP Operations 90% Exceedance**

**Storages**

**Federal End of the Month Storage/Elevation (TAF/Feet)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Trinity		720	738	805	934	1039	948	859	777	666	563	529	484	476
	Elev.	2223	2232	2248	2259	2249	2238	2228	2212	2196	2190	2184	2180	
Whiskeytown		206	206	206	206	238	238	238	238	238	206	206	206	
	Elev.	1199	1199	1199	1199	1209	1209	1209	1209	1209	1199	1199	1199	
Shasta		1331	1590	1937	2398	2628	2664	2500	2210	1979	1869	1766	1776	1846
	Elev.	932	954	979	991	992	984	969	956	950	943	944	948	
Folsom		588	554	565	741	869	955	946	802	777	745	662	568	497
	Elev.	423	424	444	456	464	483	450	447	444	435	425	416	
New Melones		941	990	973	961	940	907	839	786	739	722	687	694	701
	Elev.	941	939	937	934	929	919	910	903	900	894	895	896	
San Luis		102	325	515	677	836	469	221	91	46	122	274	435	618
	Elev.	435	468	493	466	423	364	349	359	391	422	449	481	
<b>Total</b>		4403	5000	5917	6350	6181	5604	4903	4445	4259	4123	4172	4345	

**State End of the Month Reservoir Storage (TAF)**

Oroville		1611	1999	2489	2583	2700	2646	2149	1700	1591	1450	1292	1186
	Elev.	743	783	825	833	842	838	796	753	741	725	705	691
State San Luis		502	646	756	497	247	47	89	190	329	439	527	675
Total San Luis (TAF)		616	827	1161	1433	1133	717	268	179	236	451	713	1293

**Monthly River Releases (TAF/cfs)**

Trinity	TAF	18	17	18	36	180	47	28	53	52	23	18	18
	cfs	300	300	300	600	2,924	783	450	857	870	373	300	300
Clear Creek	TAF	12	11	22	12	22	19	9	9	9	12	12	12
	cfs	200	200	360	200	360	320	150	150	150	200	200	200
Sacramento	TAF	200	180	200	208	324	446	535	461	345	338	238	200
	cfs	3250	3250	3250	3500	5264	7500	8700	7500	5800	5500	4000	3250
American	TAF	277	278	246	238	307	238	246	123	119	123	137	123
	cfs	4500	5000	4000	4000	5000	4000	4000	2004	2007	2004	2300	2006
Stanislaus	TAF	13	57	54	61	62	54	12	12	12	39	12	12
	cfs	219	1021	880	1026	1001	900	200	200	200	635	200	200
Feather	TAF	59	53	50	265	66	96	420	420	186	129	106	109
	cfs	960	960	810	4450	1075	1620	6835	6835	3125	2100	1775	1775

**Trinity Diversions (TAF)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Carr PP	14	10	13	44	31	67	60	61	60	19	30	21
Spring Crk. PP	10	10	10	15	15	50	50	50	50	40	20	12

**Delta Summary (TAF)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Tracy	237	225	250	71	49	73	260	259	250	260	225	227
USBR Banks	0	0	0	0	0	0	15	15	15	0	0	0
Contra Costa	0.5	0.5	10.5	9.5	9.5	9.5	7.4	8.3	9.5	3.0	4.0	2.0
<b>Total USBR</b>	<b>238</b>	<b>226</b>	<b>261</b>	<b>81</b>	<b>59</b>	<b>83</b>	<b>282</b>	<b>282</b>	<b>275</b>	<b>263</b>	<b>229</b>	<b>229</b>
State Export	100	145	156	18	37	44	177	213	200	169	125	167
<b>Total Export</b>	<b>338</b>	<b>371</b>	<b>417</b>	<b>99</b>	<b>96</b>	<b>127</b>	<b>459</b>	<b>495</b>	<b>475</b>	<b>432</b>	<b>354</b>	<b>396</b>
COA Balance	300	300	300	300	300	346	209	65	77	78	78	17
Vernalis	76	127	140	118	121	85	45	40	46	98	74	75
Vernalis	1244	2282	2279	1985	1976	1421	737	655	772	1595	1242	1225
Old/Middle River Std.												
Old/Middle R. calc.	-4,258	-4,701	-4,781	-976	-898	-1,588	-6,012	-6,499	-6,385	-5,283	-4,613	-4,999
Computed DOI	18870	25773	20838	16557	11387	7245	4994	3497	3009	4002	4808	4506
Excess Outflow	12867	14372	9435	5295	3319	0	0	0	0	0	303	0
% Export/Inflow	23%	21%	24%	8%	9%	15%	44%	52%	58%	56%	51%	56%
% Export/Inflow std.	65%	45%	35%	35%	35%	35%	65%	65%	65%	65%	65%	65%

**Hydrology**

	Trinity	Shasta	Folsom	New Melones
Water Year Inflow (TAF)	820	4,163	2,840	788
Year to Date + Forecasted % of mean	68%	75%	104%	75%

CVP actual operations do not follow any forecasted operation or outlook; actual operations are based on real-time conditions.  
 CVP operational forecasts or outlooks represent general system-wide dynamics and do not necessarily address specific watershed/tributary details.  
 CVP releases or export values represent monthly averages.  
 CVP Operations are updated monthly as new hydrology information is made available December through May.

33 20/2022

blank

**NOTICE TO STATE WATER PROJECT CONTRACTORS**VW  
A.**Date:** January 20, 2022**Number:** 22-01**Subject:** 2022 State Water Project Table A Allocation Increase from 0 to 15 Percent**From:** Original signed by  
**Ted Craddock**  
**Deputy Director, State Water Project**  
Department of Water Resources

Based on the recent precipitation, runoff, and current water supply conditions, the Department of Water Resources (DWR) is increasing the State Water Project (SWP) Table A Allocation to 15 percent of most SWP long-term contractors' 2022 requested Table A amounts. Attached is the revised 2022 SWP allocation table.

Please note that this Table A Allocation will reduce, on a 1:1 basis, any unmet human health and safety need volumes that were previously identified in the SWP contractors' submittals to DWR.

The Table A Allocation increase is made consistent with the long-term water supply contracts, legal requirements, and public policy. In determining available SWP supplies, DWR has considered several factors including existing storage in SWP conservation reservoirs, estimates of future runoff under very dry conditions, SWP operational and regulatory constraints such as, federal Endangered Species Act and California Endangered Species Act requirements, and the 2022 demands of SWP Contractors. DWR may revise this and any subsequent allocations if warranted by the year's developing hydrologic and water supply conditions.

To develop the 15 percent water delivery schedule, DWR will scale up the SWP Contractors' current 5 percent schedules that were submitted in October 2021 (as part of initial requests), unless SWP Contractors submit updated schedules. DWR will provide approved monthly water delivery schedules to the SWP Contractors.

If you have any questions or need additional information, please contact John Leahigh, Water Operations Executive Manager, at (916) 902-9876.

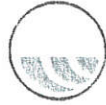
Attachment

34

2022 STATE WATER PROJECT ALLOCATION  
(ACRE-FEET)

SWP CONTRACTORS	TABLE A  (1)	INITIAL REQUEST  (2)	APPROVED ALLOCATION  (3)	PERCENT INITIAL REQUEST APPROVED  (3)/(2) (4)
<b><u>FEATHER RIVER</u></b>				
County of Butte	27,500	27,500	5,000	18%
Plumas County FC&WCD	2,700	2,700	405	15%
City of Yuba City	9,600	9,600	2,400	25%
<b>Subtotal</b>	<b>39,800</b>	<b>39,800</b>	<b>7,805</b>	
<b><u>NORTH BAY</u></b>				
Napa County FC&WCD	29,025	29,025	7,256	25%
Solano County WA	47,756	47,756	11,939	25%
<b>Subtotal</b>	<b>76,781</b>	<b>76,781</b>	<b>19,195</b>	
<b><u>SOUTH BAY</u></b>				
Alameda County FC&WCD, Zone 7	80,619	80,619	12,093	15%
Alameda County WD	42,000	42,000	6,300	15%
Santa Clara Valley WD	100,000	100,000	15,000	15%
<b>Subtotal</b>	<b>222,619</b>	<b>222,619</b>	<b>33,393</b>	
<b><u>SAN JOAQUIN VALLEY</u></b>				
Oak Flat WD	5,700	5,700	855	15%
County of Kings	9,305	9,305	1,396	15%
Dudley Ridge WD	41,350	41,350	6,203	15%
Empire West Side ID	3,000	3,000	450	15%
Kern County WA	982,730	982,730	147,410	15%
Tulare Lake Basin WSD	87,471	87,471	13,121	15%
<b>Subtotal</b>	<b>1,129,556</b>	<b>1,129,556</b>	<b>169,435</b>	
<b><u>CENTRAL COASTAL</u></b>				
San Luis Obispo County FC&WCD	25,000	25,000	3,750	15%
Santa Barbara County FC&WCD	45,486	45,486	6,823	15%
<b>Subtotal</b>	<b>70,486</b>	<b>70,486</b>	<b>10,573</b>	
<b><u>SOUTHERN CALIFORNIA</u></b>				
Antelope Valley-East Kern WA	144,844	144,844	21,727	15%
Santa Clarita Valley WA	95,200	95,200	14,280	15%
Coachella Valley WD	138,350	138,350	20,753	15%
Crestline-Lake Arrowhead WA	5,800	5,800	870	15%
Desert WA	55,750	55,750	8,363	15%
Littlerock Creek ID	2,300	2,300	345	15%
Metropolitan WDSC	1,911,500	1,911,500	286,725	15%
Mojave WA	89,800	89,800	13,470	15%
Palmdale WD	21,300	21,300	3,195	15%
San Bernardino Valley MWD	102,600	102,600	15,390	15%
San Gabriel Valley MWD	28,800	28,800	4,320	15%
San Geronio Pass WA	17,300	17,300	2,595	15%
Ventura County WPD	20,000	20,000	3,000	15%
<b>Subtotal</b>	<b>2,633,544</b>	<b>2,633,544</b>	<b>395,033</b>	
<b>TOTAL</b>	<b>4,172,786</b>	<b>4,172,786</b>	<b>635,434</b>	<b>15%</b>





## Westlands Water District

## MEMORANDUM

**TO:** SLDMWA BOARD OF DIRECTORS  
**FROM:** TOM BOARDMAN, WATER RESOURCES ENGINEER  
**SUBJECT:** JANUARY OPERATIONS UPDATE  
**DATE:** JANUARY 7, 2022

---

**Project Operations**

- Jones pumping increased to 5 units or 4,200 cfs during this week following a 14-day delta smelt BiOp action that limited CVP exports to a daily average 1,670 cfs. The export curtailment reduced CVP exports by an estimated 70 TAF. CVP pumping is now controlled by a separate delta smelt BiOp action that limits the reverse flow in Old and Middle Rivers (OMR) to -5,000 cfs.
- Banks pumping was limited to about 830 cfs during the recent delta smelt BiOp action which reduced SWP exports by at least 140 TAF. The current -5,000 cfs OMR limit will likely hold SWP exports to about 3,000 cfs absent additional precipitation in the San Joaquin Valley.
- Reclamation continues to estimate the accounting balance under the Coordinated Operations Agreement (COA) at about 350-400 TAF in favor of the CVP. The COA is expected to be balanced during the next several months through Oroville releases made in lieu of CVP reservoir releases and Jones pumping a slightly higher share of the allowable export capacity.
- Accumulated precipitation in the Sacramento Valley finished December at 144% of average. Precipitation so far this month is at about 1 inch compared to a monthly average of 9.1 inches.
- Shasta storage is about 1.41 MAF – an increase of almost 300 TAF from a month ago. Although precipitation in the Shasta basin is about 140% of average, reservoir inflows have been less than expected, possibly because the precipitation has come more as snow rather than rain or because of drought-related dry soil conditions. As such, the current storage is about 100 TAF less than projected in Reclamation's latest operations forecast under a 50% exceedance hydrology.
- Folsom storage recently refilled to 587 TAF and has since decreased to 572 TAF due to flood control requirements. With snowpack in the basin at 140% of average, it appears certain that the reservoir will fill by May when the peak snow melt occurs. The current storage is trending higher than Reclamation's latest forecast under a 50% exceedance hydrology.
- CVP demands for December were 26 TAF which was 50% of the 15-year average.

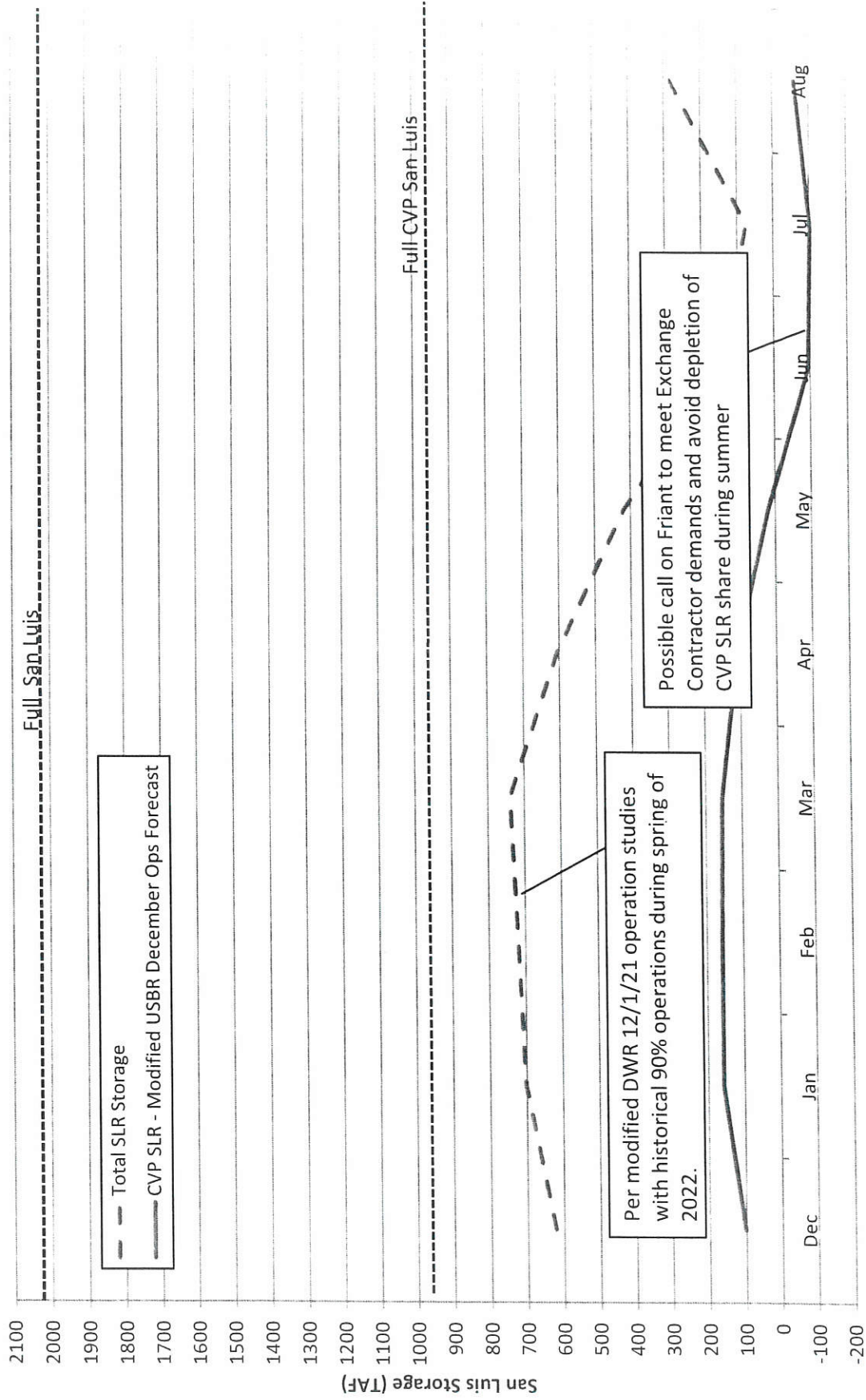
## 2021-22 San Luis Reservoir Operations

The CVP's share of the San Luis Reservoir (SLR) is about 128 TAF – an increase of only 40 TAF since mid-December due to the recent export curtailment mandated by the delta smelt BiOp. The daily refill rate has recently increased to about 8 TAF due to the recent pumping increase.

The attached SLR projection chart under 90% exceedance conditions shows CVP SLR refilling to 200-300 TAF by late February before drawing down. The projected low storage with dry conditions will result in insufficient Project water by late spring to meet Exchange Contractor demands under a 75% allocation. The attached SLR projection chart under 50% exceedance conditions shows CVP SLR refilling to about 500-600 TAF by the end of March.

Although Shasta storage is trending lower than the 50% exceedance forecast, Folsom storage is well above its median projection. So, Folsom may have storage available to help compensate for storage shortfalls in Shasta needed to meet delta requirements this summer. Assuming reservoir storage track close to Reclamation's 50% exceedance forecast, allocations would be 100% for Exchange Contractors and refuges, 55-60% for urban contractors, 5-10% for Ag Service contractors. The upper end of the urban and Ag allocation projections will depend on how strongly Reclamation chooses to factor in the effects of an estimated 200 TAF of rescheduled water for all Districts stored in its San Luis.

# 2021-22 San Luis Storage Projection 90% Exceedance Hydrology

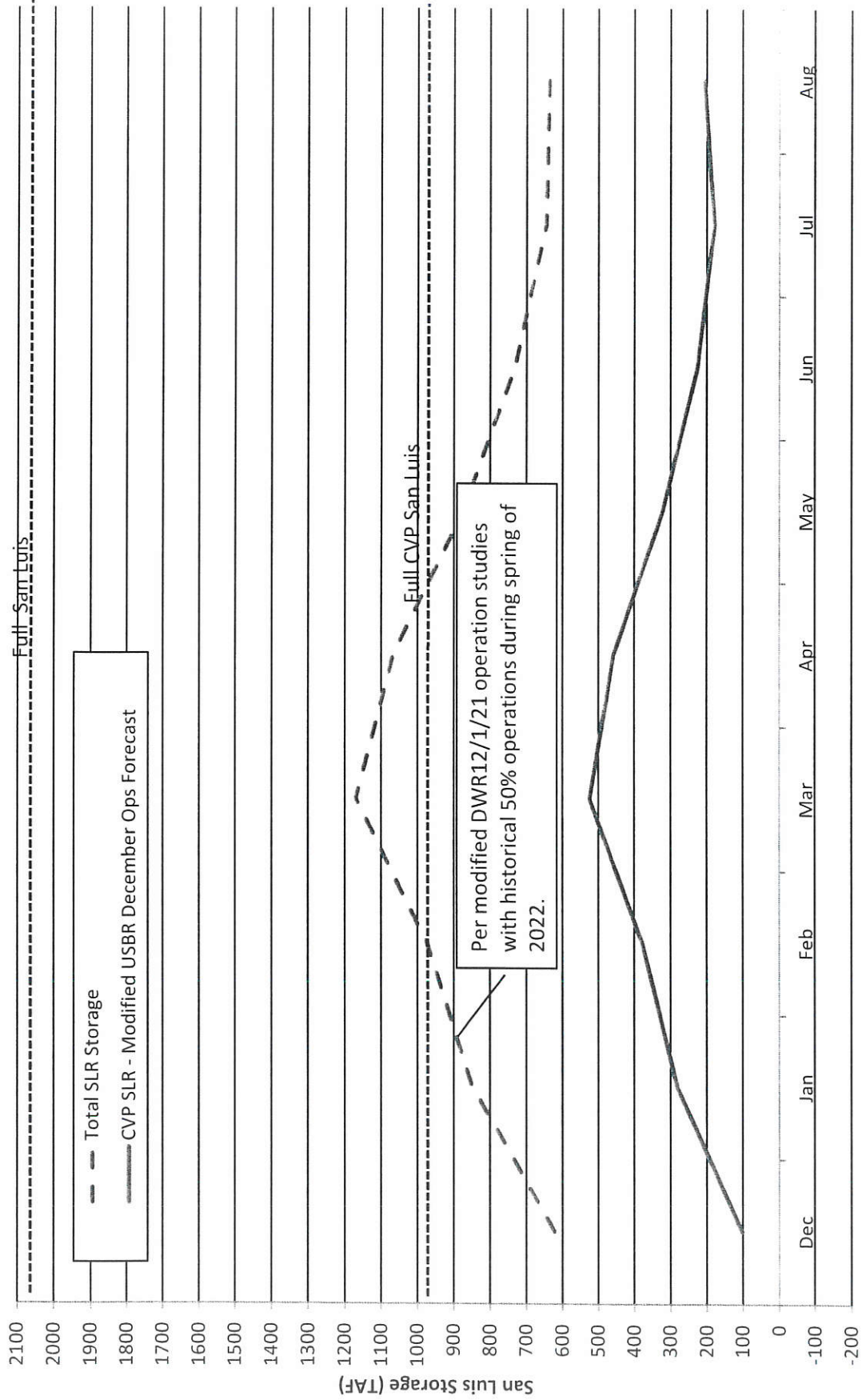


End of Month

35C

# 2021-22 San Luis Storage Projection

## 50% Exceedance Hydrology



35 D

V11 B.

DEL PUERTO WATER DISTRICT 2021-22 SUPPLY/USE/COMPLETED TRANSACTIONS SUMMARY  
as of December 31, 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	1,975
2021 NVRWP	19,053
2021 CCID Exchange	3,787
Sub-Total: Current Year Customer Supplies	24,815
as of 1.22.22 2021 YCWA (Net of SLWD/WWD 2022 Pre-delivery)	2,406
2021 GWD Transfer	281
2021 Volta Wells Transfer	177
2021 CCWD Transfer	2,000
2021 PID Transfer	1,747
2021 Mapes Transfer	4,781
2021 SEWD Transfer	6,051
Subtotal: Outside Purchases	17,443
<b>Total Gross Projected Supply Available</b>	<b>57,911</b>

Dec 2021 Quantity	Completed to Date
-------------------	-------------------

267	1633
0	17679
0	3787

0	2406
13	281
4	177
0	2000
0	1747
983	3051
0	6051

2020-21 IN DISTRICT USE		2021-22 IN DISTRICT USE	2021-22 OCRRP 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	1,625			1,625
2,183	NOV	188			188
681	DEC	255			255
234	JAN				
1,088	FEB				
51,928		36,186	0	500	
<b>TOTAL USED &amp; TRANSFERRED OUT</b>					<b>36,686</b>
<b>TOTAL SCHEDULED</b>					<b>1,950</b>
<b>TOTAL ESTIMATED FOR RESCHEDULING INTO 2022-23</b>					<b>19,275</b>
<b>TOTAL GROSS PROJECTED SUPPLY AVAILABLE</b>					<b>57,911</b>

NOTE: The District has 3,425 AF in storage at AEWS and 2,000 AF in storage at LTRID.

34

blank

12.08.21  
Based on 0% Allocation

Customers	14547
Late Cust.	500
WWD	500
SLWD	2000
Solar Trans	260
NVRRWP Short	342
	18,149

SCENARIO ASSUMES ALL TRANSACTIONS PERFECTED

10,000 Gross  
9,500 Net

YEAR 2021-22	150 District C/O	395 Pacheco Return	303 SLCC	326 FCWD	2000 CCWD	119 HOMER	1747 PID	9500 Mapes Trxfr	4158 YCWA	281 GWD L2 Exch	177 Volta Well Exch	6051 SEWD	25207
SLDMWA	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$13.00	\$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	\$1,250.00	\$360.00	\$425.00	\$569.00	\$400.00	\$533.00	\$444.00	
Est Cost	\$69.00	-\$506.00	\$979.00	\$754.00	\$229.00	\$1,279.00	\$389.00	\$675.53	\$638.00	\$429.00	\$562.00	\$473.00	
	<u>150</u>	<u>395</u>	<u>303</u>	<u>326</u>	<u>2,000</u>	<u>119</u>	<u>1,747</u>	<u>9,500</u>	<u>4,158</u>	<u>281</u>	<u>177</u>	<u>6,051</u>	
	\$10,350.00	-\$199,870.00	\$296,637.00	\$245,804.00	\$458,000.00	\$152,201.00	\$679,583.00	\$6,417,500.00	\$2,652,804.00	\$120,549.00	\$99,474.00	\$2,862,123.00	\$13,125,064.97
													\$520.69

-\$1,000,000.00 SLWD Rev 2000 AF @ \$500  
\$17,008.04  
\$312,901.93 582 AF YCWA C/O

THIS SCENARIO ASSUMES ALL TRANSACTIONS PERFECTED WITH MAPES TRANSFER AT 50%

5,000 Gross  
4,750 Net

YEAR 2021-22	150 District C/O	395 Pacheco Return	303 SLCC	326 FCWD	2000 CCWD	119 HOMER	1747 PID	4750 Mapes Trxfr	4158 YCWA	281 GWD L2 Exch	177 Volta Well Exch	6051 SEWD	20457
SLDMWA	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00	\$13.00	\$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	\$1,250.00	\$360.00	\$626.00	\$569.00	\$400.00	\$533.00	\$444.00	
Est Cost	\$69.00	-\$506.00	\$979.00	\$754.00	\$229.00	\$1,279.00	\$389.00	\$887.11	\$638.00	\$429.00	\$562.00	\$473.00	
	<u>150</u>	<u>395</u>	<u>303</u>	<u>326</u>	<u>2,000</u>	<u>119</u>	<u>1,747</u>	<u>4,750</u>	<u>4,158</u>	<u>281</u>	<u>177</u>	<u>6,051</u>	
	\$10,350.00	-\$199,870.00	\$296,637.00	\$245,804.00	\$458,000.00	\$152,201.00	\$679,583.00	\$4,213,750.00	\$2,652,804.00	\$120,549.00	\$99,474.00	\$2,862,123.00	\$10,921,314.97
													\$533.87

-\$1,000,000.00 SLWD Rev 2000 AF @ \$500  
\$17,008.04 @ \$500  
\$312,901.93

blank



VII.D.

Name	2021 Acreage	2021 Acreage Combined	Pre-Purchase Requested	Pre-Purchase Requested Combined	Participating Acreage	Initial Percentage	Allocation
5G Ag Management Inc.	20	20	30	30	20	0.11%	1
<b>Adobe Orchards, Inc</b>	<b>223</b>	<b>253</b>	<b>100</b>	<b>120</b>	<b>253</b>	<b>1.40%</b>	<b>14</b>
John W. Hansen Farms	30		20	400	0	0.00%	0
Amaravati Farms, LLC	416	416	400	400	416	2.30%	23
Apna Farms	45	45	20	20	45	0.25%	2
Basra & Dhillon Farms, Inc.	77	77	200	200	77	0.43%	4
<b>Bays Ranch, Inc.</b>	<b>732</b>	<b>1,934</b>	<b>200</b>	<b>200</b>	<b>1934</b>	<b>10.69%</b>	<b>107</b>
Bays, Daniel & Rebecca	50		0		0	0.00%	0
Bays Farming	665		0		0	0.00%	0
Bays, Ken & Michelle	106		0		0	0.00%	0
Schuler & Bays JV	381		0		0	0.00%	0
California Soils, Inc.	38	38	8	8	38	0.21%	2
California Transplants	101	101	100	100	101	0.56%	6
Calvin Inc.	314	314	300	300	314	1.74%	17
Corral Hollow Cattle Co., LLC	425	425	200	200	425	2.35%	24
CSC Westley, LLC / 5 Star Vineyard, LLC TIC	292	292	100	100	292	1.61%	16
Hooper Ranch Property, LLC	275	275	100	100	275	1.52%	15
Inguanzo, Jose H. & Inguanzo, Adolfo	13	13	7	7	13	0.07%	1
<b>22AA Farms Inc. (Iyer Farms)</b>	<b>481</b>	<b>966</b>	<b>200</b>	<b>500</b>	<b>966</b>	<b>5.34%</b>	<b>54</b>
Balam Farms	101	101	50		0	0.00%	0
Lax Iyer Farms	72		50		0	0.00%	0
URL Farms (Meena Farms, Ptp)	133		100		0	0.00%	0
URL Farms (SATYAM Farms)	179		100		0	0.00%	0
Jag Family Farms, L.P.	92	92	42	42	92	0.51%	5
KDR Farms	314	314	400	400	314	1.74%	17
L & L Investments, LLC	226	226	150	150	226	1.25%	12
<b>Lara, Michael</b>	<b>439</b>	<b>612</b>	<b>50</b>	<b>175</b>	<b>612</b>	<b>3.38%</b>	<b>35</b>
J&J California Farms	70		25		0	0.00%	0
L2 Farms, LLC	71		50		0	0.00%	0
Lara Brothers Farms, GP	32		50		0	0.00%	0
Longhorn Enterprises	19	19	30	30	19	0.11%	1
Perez Farms	3766	3,766	1,000	1000	3766	20.83%	208
Pimentel Farms	290	290	160	160	290	1.60%	16
Sabatino, Murphy Jr.	160	160	115	115	160	0.88%	9
Stewart & Jasper Farming Co.	2297	2,297	1,000	1000	2297	12.70%	127
T & M Farms	1829	1,829	400	400	1829	10.11%	101
<b>Van Elderen Bros.</b>	<b>604</b>	<b>1,069</b>	<b>400</b>	<b>700</b>	<b>1069</b>	<b>5.91%</b>	<b>59</b>
Dutch Nuts, Inc.	149		100		0	0.00%	0
Backhill Farms L.P.	316		200		0	0.00%	0
<b>WMD Farming</b>	<b>2088</b>	<b>2,241</b>	<b>300</b>	<b>500</b>	<b>2241</b>	<b>12.39%</b>	<b>124</b>
LAT Farming Trust	153		200		0	0.00%	0
<b>Totals</b>	<b>18,084</b>	<b>18,185</b>	<b>6,957</b>	<b>6,957</b>	<b>18,084</b>	<b>100.00%</b>	<b>1000</b>

38

blank