

**Estimated CVP Operations 90% Exceedance**

**Storages**

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Trinity	890	1087	1233	1221	1172	1126	1112	1108	1129	1130	1147	1206	1254
Elevation		2265	2279	2278	2273	2269	2267	2267	2269	2269	2271	2277	2281
Whiskeytown	236	238	238	238	238	238	206	206	206	206	206	206	238
Elevation		1209	1209	1209	1209	1209	1199	1199	1199	1199	1199	1199	1209
Shasta	4430	4381	4174	3844	3470	3288	3154	3133	3175	3222	3369	3614	3718
Elevation		1061	1054	1042	1027	1020	1014	1014	1015	1017	1023	1033	1037
Folsom	805	917	835	708	611	601	518	442	382	337	357	452	584
Elevation		461	453	440	430	429	419	409	400	393	397	410	427
New Melones	1514	1722	1930	1958	1937	1939	1901	1914	1928	1931	1939	1966	1877
Elevation		1026	1046	1048	1047	1047	1043	1044	1046	1046	1047	1049	1041
Federal San Luis	958	879	684	337	85	51	106	166	304	440	398	343	170
Elevation		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	8833	9223	9094	8307	7514	7242	6997	6969	7124	7265	7416	7787	7841

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Oroville	3230	3340	3333	2994	2517	2130	1862	1746	1701	1762	1864	2034	2143
Elevation		888	887	864	828	795	769	757	753	759	769	786	796
State San Luis	1056	1078	945	860	761	759	726	648	568	604	592	552	286
Elevation		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total San Luis (TAF)</b>	2014	1957	1629	1198	846	810	831	813	872	1044	990	895	456
Elevation		537	510	472	437	433	435	433	440	457	452	442	391

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Trinity		111	38	28	53	52	23	18	18	18	17	18	32
cfs		1,805	639	456	857	870	373	300	300	300	300	300	540
Clear Creek		18	14	9	9	9	12	12	12	12	11	22	12
cfs		291	242	150	150	150	200	200	200	200	200	363	200
Sacramento		738	535	553	553	363	369	268	277	277	250	277	363
cfs		12000	9000	9000	9000	6100	6000	4500	4500	4500	4500	4500	6104
American		492	416	277	215	119	123	119	123	108	83	77	74
cfs		8000	7000	4500	3500	2000	2000	2007	2000	1750	1500	1250	1250
Stanislaus		96	56	18	18	18	48	12	12	14	13	12	83
cfs		1555	940	300	300	300	774	200	200	226	229	200	1400
Feather		553	238	326	455	470	295	104	108	108	97	108	104
cfs		9000	4000	5300	7400	7900	4800	1750	1750	1750	1750	1750	1750

**Trinity Diversions (TAF)**

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Carr PP		0	0	7	10	9	0	6	1	13	20	9	56
Spring Crk. PP		4	0	0	0	0	22	0	1	8	20	6	27

**Delta Summary (TAF)**

Facility/Location/Metric	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Tracy		223	250	265	265	255	234	172	220	225	92	105	60
USBR Banks		0	0	0	0	0	44	44	44	0	0	0	0
Contra Costa		9.5	9.5	7.4	8.3	9.5	14.0	14.0	14.0	13.7	13.7	10.5	9.5
<b>Total USBR</b>		233	260	272	273	265	292	230	278	239	106	116	69
State Export		307	293	401	402	396	308	222	200	160	108	198	30
<b>Total Export</b>		540	553	673	675	661	600	452	478	399	214	314	99
COA Balance		0	0	0	0	0	0	0	0	0	0	0	0
Vernalis TAF		1565	893	697	210	182	201	83	83	93	112	120	173
Vernalis cfs		25461	15010	11345	3423	3057	3263	1393	1355	1511	2012	1957	2901
Old/Middle R. calc. cfs		4,104	-987	-3,919	-7,508	-7,764	-6,637	-5,813	-5,968	-4,904	-2,648	-3,636	-563
Computed DOI cfs		49973	22844	13355	7402	7699	7109	4505	7288	9321	11400	11403	9733
<b>Excess Outflow</b>		23636	7665	5352	3400	605	0	0	2782	3319	0	0	235
% Export/Inflow		14%	25%	38%	49%	51%	52%	57%	49%	42%	24%	31%	12%
% Export/Inflow std.		35%	35%	65%	65%	65%	65%	65%	65%	65%	45%	35%	35%

**Hydrology**

	Trinity	Shasta	Folsom	New Melones
<b>Water Year Inflow (TAF)</b>	1348	5,703	4,383	2232
Year to Date + Forecasted	112%	103%	161%	211%
	% of mean			

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 50% Exceedance**

**Storages**

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Trinity	890	1122	1248	1244	1195	1148	1136	1144	1182	1246	1358	1486	1592
Elevation		2268	2281	2280	2276	2271	2270	2271	2274	2281	2291	2302	2311
Whiskeytown	236	238	238	238	238	238	206	206	206	206	206	206	238
Elevation		1209	1209	1209	1209	1209	1199	1199	1199	1199	1199	1199	1209
Shasta	4430	4412	4221	3921	3576	3365	3162	3191	3296	3475	3680	3948	4200
Elevation		1062	1056	1045	1032	1023	1015	1016	1020	1028	1036	1046	1055
Folsom	805	901	958	879	757	661	532	475	435	434	558	716	844
Elevation		459	464	457	445	435	420	413	408	408	424	441	454
New Melones	1514	1756	1981	2065	2014	1978	1937	1958	1963	1958	1950	1954	1948
Elevation		1029	1051	1058	1054	1050	1046	1048	1049	1048	1048	1048	1048
Federal San Luis	958	890	699	352	85	50	128	266	412	581	682	760	569
Elevation		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	8833	9319	9345	8699	7865	7440	7101	7240	7494	7900	8433	9069	9391

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Oroville	3230	3464	3537	3362	2907	2619	2265	2118	2133	2344	2515	2409	2683
Elevation		896	900	889	858	836	807	794	795	813	828	819	841
State San Luis	1056	1064	1026	975	908	931	964	1007	928	967	1093	1185	935
Elevation		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Total San Luis (TAF)</b>	2014	1954	1725	1327	994	981	1092	1273	1340	1548	1775	1944	1505
Elevation		537	518	484	452	451	462	479	485	504	523	536	500

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

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Trinity		111	38	28	53	52	23	18	18	18	17	18	80
cfs		1,805	639	456	857	870	373	300	300	300	300	300	1,347
Clear Creek		17	17	9	9	9	12	12	12	12	11	22	12
cfs		281	284	150	150	150	200	200	200	200	200	363	200
Sacramento		738	595	553	553	416	307	268	277	430	555	553	357
cfs		12000	10000	9000	9000	7000	5000	4500	4500	7000	10000	9000	6000
American		584	357	246	246	208	154	149	154	154	139	154	297
cfs		9500	6000	4000	4000	3500	2504	2506	2500	2500	2500	2500	5000
Stanislaus		96	89	61	61	59	49	12	31	49	83	93	83
cfs		1555	1500	1000	1000	1000	797	200	500	800	1500	1521	1400
Feather		615	333	252	492	399	381	184	108	108	278	553	178
cfs		10000	5600	4100	8000	6700	6200	3100	1750	1750	5000	9000	3000

**Trinity Diversions (TAF)**

Facility	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Carr PP		5	11	9	10	9	0	5	1	1	1	1	20
Spring Crk. PP		0	0	0	0	0	22	0	4	23	34	16	0

**Delta Summary (TAF)**

Facility/Location/Metric	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Tracy		223	255	265	260	255	260	252	230	258	235	238	60
USBR Banks		0	0	0	0	0	44	44	44	0	0	0	0
Contra Costa		12.7	9.8	11.1	12.7	14.0	14.0	16.0	18.0	14.0	14.0	12.7	12.7
<b>Total USBR</b>		236	265	276	273	269	318	312	292	272	249	251	72
State Export		308	393	440	440	425	370	336	194	170	232	238	30
<b>Total Export</b>		544	658	716	713	694	688	648	486	442	481	489	102
COA Balance		0	0	0	0	0	23	0	0	0	0	0	0
Vernalis TAF		1581	1276	850	278	248	202	99	122	154	307	330	243
Vernalis cfs		25727	21453	13835	4530	4177	3286	1662	1980	2508	5534	5376	4089
Old/Middle R. calc. cfs		4,171	550	-3,334	-7,479	-7,693	-7,729	-8,229	-5,786	-4,998	-4,770	-4,292	-70
Computed DOI cfs		57066	33434	14136	9240	9649	7109	4505	11013	21375	33967	37024	22609
Excess Outflow		30729	11632	6133	5238	2555	0	0	6507	15373	22567	25621	13111
% Export/Inflow		13%	23%	38%	46%	47%	54%	65%	40%	25%	20%	17%	6%
% Export/Inflow std.		35%	35%	65%	65%	65%	65%	65%	65%	65%	45%	35%	35%

**Hydrology**

	Trinity	Shasta	Folsom	New Melones
<b>Water Year Inflow (TAF)</b>	1388	5,898	4,566	2417
Year to Date + Forecasted	115%	107%	168%	229%
	% of mean			

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