

CONFIDENTIAL INFORMATION – SUBJECT TO REVISION

Table 37-3. Stanislaus River Flow below Goodwin, Monthly Flow

Current Operations 011319

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	837	290	306	358	897	1,648	1,633	1,929	1,100	429	392	390
20%	797	200	218	232	405	1,521	1,553	1,555	1,089	318	300	300
30%	774	200	200	232	282	440	1,553	1,294	940	300	283	250
40%	774	200	200	226	236	200	1,400	1,242	853	300	283	250
50%	774	200	200	226	236	200	1,400	1,242	363	275	283	250
60%	636	200	200	219	229	200	812	918	363	265	283	249
70%	636	200	200	219	229	200	767	705	294	265	283	249
80%	578	200	200	214	221	200	767	631	262	265	283	249
90%	577	200	200	213	215	200	504	547	255	265	283	249
Long Term												
Full Simulation Period ^a	723	278	367	519	593	754	1,159	1,124	680	395	362	351
Water Year Types ^{b,c}												
Wet (23%)	859	532	863	999	1,193	2,014	1,536	1,691	1,140	716	639	692
Above Normal (24%)	728	205	212	664	676	645	1,224	1,146	959	353	292	267
Below Normal (10%)	752	200	202	282	346	365	1,454	1,201	475	269	285	256
Dry (16%)	677	200	200	234	313	200	1,030	930	375	276	277	245
Critical (27%)	614	200	236	227	255	234	742	700	282	272	264	231

Proposed Action 011519

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	797	200	306	552	2,259	1,528	1,572	1,555	940	300	300	300
20%	797	200	200	232	294	1,521	1,553	1,555	940	300	300	300
30%	774	200	200	230	236	675	1,553	1,242	363	265	283	250
40%	774	200	200	226	229	200	1,400	1,242	363	265	283	250
50%	774	200	200	226	229	200	1,400	1,242	363	265	283	250
60%	636	200	200	226	229	200	972	819	255	265	283	249
70%	636	200	200	219	221	200	767	631	255	265	283	249
80%	577	200	200	213	214	200	466	400	200	200	200	200
90%	577	200	200	213	214	200	460	400	200	200	200	200
Long Term												
Full Simulation Period ^a	718	272	341	549	722	762	1,147	1,036	566	378	338	339
Water Year Types ^{b,c}												
Wet (23%)	854	508	735	1,003	1,750	2,189	1,475	1,665	1,499	834	625	691
Above Normal (24%)	774	202	223	694	695	577	1,571	1,255	363	265	283	258
Below Normal (10%)	774	200	202	546	528	247	1,610	1,242	363	265	283	250
Dry (16%)	626	200	209	224	228	200	825	655	256	255	270	241
Critical (27%)	578	200	236	220	222	218	501	445	200	200	200	198

Proposed Action 011519 minus Current Operations 011319

Statistic	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-41	-90	0	194	1,362	-121	-62	-375	-160	-129	-92	-90
20%	0	0	-18	0	-111	0	0	0	-149	-18	0	0
30%	0	0	0	-2	-46	236	0	-52	-577	-35	0	0
40%	0	0	0	0	-7	0	0	0	-490	-35	0	0
50%	0	0	0	0	-7	0	0	0	0	-10	0	0
60%	0	0	0	6	0	0	160	-99	-108	0	0	0
70%	0	0	0	0	-7	0	0	-75	-38	0	0	0
80%	-1	0	0	-1	-7	0	-300	-231	-62	-65	-83	-49
90%	0	0	0	0	-1	0	-44	-147	-55	-65	-83	-49
Long Term												
Full Simulation Period ^a	-4	-6	-26	31	129	8	-11	-87	-114	-17	-24	-13
Water Year Types ^{b,c}												
Wet (23%)	-5	-24	-128	4	557	175	-61	-26	359	118	-14	-1
Above Normal (24%)	46	-3	11	31	20	-68	347	109	-596	-88	-9	-9
Below Normal (10%)	22	0	0	264	183	-118	156	41	-111	-4	-2	-6
Dry (16%)	-51	0	9	-10	-86	0	-205	-274	-119	-21	-6	-4
Critical (27%)	-36	0	0	-7	-33	-15	-241	-255	-82	-72	-64	-33

a Based on the 82-year simulation period.

b As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

c These results are displayed with calendar year - year type sorting.

d All scenarios are simulated at ELT (Early Long-Term) Q5 with 2025 climate change and 15 cm sea level rise.

e These are draft results meant for qualitative analysis and are subject to revision.

f New Melones forecasts are used as the basis of water operations.