Appendix H1a7

Sacramento Water Allocation Model Results for 2025 Record of Decision and Incidental Take Permit Amendments

H1a7.1 Introduction

This appendix summarizes results from the Sacramento Water Allocation Model (SacWAM) for model scenarios that represent changes in hydrology and water supply that could occur as a result of the combination of the revised proposed Plan amendments described in Chapter 13, *Revised Proposed Plan Amendments*, and the 2025 Record of Decision on the Long-Term Operation of the Central Valley Project and State Water Project (2025 ROD) and the amendments to Incidental Take Permit No. 2081-2023-054-00 for operation of the State Water Project issued by the California Department Fish and Wildlife. The model updates and methods necessary to represent these scenarios are described in Appendix H1a6, *Sensitivity Analysis for 2025 Record of Decision and Incidental Take Permit Amendments*, and were produced using SacWAM 2026.05.29. As described in Appendix H1a6, results presented in this appendix are based directly upon the results simulated by SacWAM, including postprocessing of unspecified water purchases and Friant VA flow contributions, as described in Appendix G3a, *Sacramento Water Allocation Model Methods and Results for the Proposed Voluntary Agreements*. Results including additional postprocessing to account for the full effect of the 2025 ROD on Central Valley Project exports and Delta outflow are presented in section 13.4.6, *Sensitivity Analysis for 2025 Record of Decision and 2025 Incidental Take Permit*.

All results presented in this appendix were produced using the model version SacWAM 2026.05.29 using historical hydrology for the period of record of water years 1922 through 2021. Because the "Current Accounts" year of 1922 is identical for all scenarios within a given version of SacWAM, results are reported for water years 1923 through 2021.

H1a7.2 Streamflows

H1a7.2.1 American River below Folsom Reservoir (SWRCB Folsom)

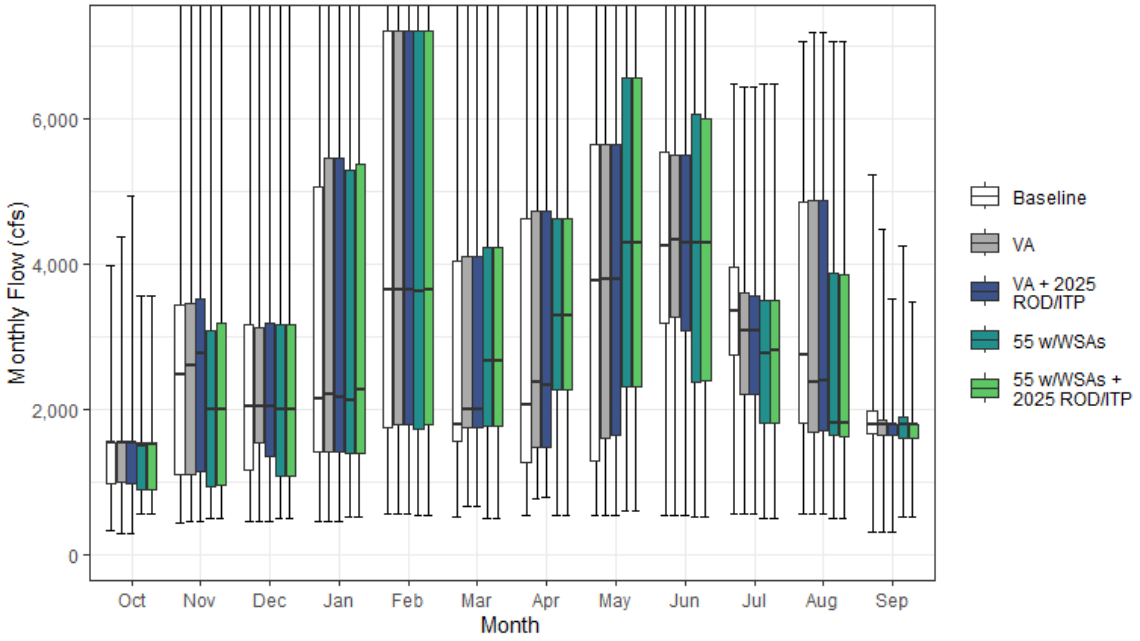

Figure H1a7-1. American River Streamflow below Folsom Reservoir Monthly Boxplot (cfs)

Table H1a7-1. Cumulative Distribution of Monthly Flow (cfs) — American River below Folsom Reservoir (SWRCB Folsom)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	317	426	461	461	563	524	534	538	544	559	549	312	477
10%	760	690	672	681	1,374	1,083	986	994	1,040	1,600	1,578	1,441	1,106
25%	983	1,100	1,161	1,401	1,755	1,563	1,257	1,294	3,185	2,747	1,798	1,654	1,468
50%	1,539	2,478	2,031	2,132	3,633	1,780	2,066	3,774	4,246	3,353	2,743	1,791	2,046
75%	1,541	3,424	3,169	5,058	7,203	4,030	4,617	5,640	5,533	3,948	4,843	1,983	3,296
90%	1,781	4,561	8,885	9,650	11,266	8,402	6,938	8,666	7,900	4,754	5,459	2,560	4,309
100%	3,970	16,784	20,556	26,148	31,620	14,563	15,497	13,635	14,215	6,487	7,058	5,235	6,998
Mean	1,419	2,734	3,480	4,099	5,182	3,424	3,282	4,140	4,555	3,253	3,159	1,952	2,448
VA													
0%	279	447	461	461	563	662	759	538	544	559	550	307	492
10%	747	690	691	715	1,397	1,247	1,208	996	1,186	1,560	1,548	1,425	1,137
25%	1,000	1,104	1,526	1,412	1,781	1,737	1,479	1,599	3,272	2,205	1,689	1,637	1,404
50%	1,539	2,601	2,031	2,205	3,634	1,994	2,365	3,778	4,332	3,082	2,374	1,791	2,026
75%	1,540	3,454	3,123	5,450	7,203	4,110	4,723	5,642	5,498	3,608	4,872	1,852	3,287
90%	1,757	4,580	8,809	9,650	11,266	8,402	6,939	8,666	7,902	4,180	5,522	2,463	4,281
100%	4,378	16,873	21,290	26,150	31,620	14,563	15,497	13,636	14,216	6,436	7,189	4,477	6,970
Mean	1,398	2,785	3,481	4,128	5,220	3,522	3,409	4,344	4,583	2,959	3,063	1,921	2,456
VA + 2025 ROD/ITP													
0%	279	447	461	461	563	663	786	538	544	559	549	302	491
10%	745	699	691	681	1,415	1,246	1,211	1,182	1,048	1,583	1,573	1,477	1,144
25%	983	1,148	1,339	1,421	1,794	1,740	1,479	1,647	3,080	2,204	1,711	1,638	1,436
50%	1,539	2,773	2,032	2,157	3,634	1,994	2,322	3,778	4,291	3,083	2,394	1,791	2,039
75%	1,540	3,525	3,176	5,452	7,206	4,110	4,724	5,642	5,498	3,569	4,872	1,793	3,274
90%	1,792	4,719	8,809	9,650	11,266	8,402	6,939	8,666	7,902	4,177	5,522	1,937	4,288
100%	4,932	16,876	21,529	26,150	31,621	14,563	15,497	13,637	14,217	6,438	7,189	3,510	6,985
Mean	1,414	2,910	3,489	4,146	5,228	3,520	3,409	4,354	4,553	2,959	3,086	1,745	2,456
55 w/WSAs													
0%	550	497	485	522	531	497	544	608	504	504	504	513	423
10%	675	660	744	744	1,391	1,331	1,492	1,304	1,087	1,533	1,241	1,464	1,107
25%	900	936	1,085	1,392	1,733	1,772	2,265	2,312	2,370	1,812	1,631	1,600	1,418
50%	1,503	2,001	1,999	2,111	3,629	2,664	3,288	4,283	4,282	2,774	1,800	1,791	2,089
75%	1,540	3,069	3,160	5,284	7,203	4,225	4,632	6,555	6,063	3,497	3,861	1,896	3,308
90%	1,792	4,093	8,695	9,646	11,266	8,402	6,925	8,987	8,379	4,255	5,389	2,794	4,282
100%	3,556	14,214	20,115	26,148	31,620	14,563	15,497	13,631	14,215	6,483	7,059	4,252	6,990
Mean	1,366	2,423	3,416	4,084	5,232	3,698	3,912	4,670	4,619	2,818	2,680	1,897	2,455
55 w/WSAs + 2025 ROD/ITP													
0%	550	497	485	522	531	497	544	608	504	504	504	513	423
10%	675	660	744	741	1,391	1,331	1,492	1,350	1,051	1,552	1,241	1,331	1,110
25%	885	945	1,085	1,394	1,778	1,772	2,265	2,310	2,390	1,812	1,627	1,600	1,455
50%	1,525	2,002	1,999	2,271	3,637	2,664	3,288	4,283	4,282	2,813	1,800	1,791	2,059
75%	1,541	3,175	3,160	5,379	7,203	4,225	4,614	6,556	6,006	3,497	3,854	1,793	3,237
90%	1,811	4,544	8,789	9,646	11,266	8,402	6,925	8,987	8,379	4,345	5,388	1,912	4,285
100%	3,556	15,013	21,480	26,148	31,620	14,563	15,497	13,631	14,215	6,483	7,059	3,470	6,990
Mean	1,373	2,534	3,443	4,141	5,247	3,697	3,917	4,667	4,602	2,817	2,672	1,688	2,455

Table H1a7-2. Water Year Average of Monthly Flows (cfs) — American River below Folsom Reservoir (SWRCB Folsom)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	1,261	1,648	1,386	1,106	1,295	1,043	1,397	1,223	1,910	1,251	1,471	1,317
D	1,285	2,213	1,883	1,421	2,490	1,922	1,624	1,995	3,482	3,054	2,376	1,667
BN	1,390	2,542	2,439	2,222	4,011	2,397	2,734	3,494	3,903	3,833	2,783	1,894
AN	1,296	3,601	3,259	4,976	6,339	4,779	3,162	4,627	4,360	3,639	3,316	2,844
W	1,670	3,470	6,516	8,498	9,508	5,904	5,898	7,484	7,244	3,947	4,811	2,179
All	1,419	2,734	3,480	4,099	5,182	3,424	3,282	4,140	4,555	3,253	3,159	1,952
VA												
C	1,285	1,687	1,414	1,064	1,452	1,205	1,655	1,270	1,840	1,245	1,305	1,314
D	1,287	2,262	1,905	1,391	2,477	2,136	1,895	2,596	3,557	2,418	2,031	1,637
BN	1,327	2,661	2,392	2,306	4,089	2,475	2,814	3,761	3,959	3,299	2,761	1,792
AN	1,282	3,640	3,229	5,059	6,339	4,855	3,240	4,719	4,380	3,419	3,238	2,949
W	1,632	3,492	6,530	8,551	9,509	5,905	5,899	7,484	7,275	3,870	4,879	2,122
All	1,398	2,785	3,481	4,128	5,220	3,522	3,409	4,344	4,583	2,959	3,063	1,921
VA + 2025 ROD/ITP												
C	1,284	1,839	1,352	1,122	1,399	1,212	1,675	1,292	1,836	1,297	1,311	1,319
D	1,281	2,329	1,944	1,432	2,549	2,123	1,883	2,649	3,388	2,425	2,052	1,637
BN	1,350	2,700	2,373	2,338	4,096	2,474	2,814	3,735	3,941	3,308	2,837	1,818
AN	1,254	3,597	3,229	5,047	6,339	4,854	3,240	4,718	4,442	3,377	3,243	1,828
W	1,686	3,764	6,571	8,535	9,509	5,905	5,899	7,484	7,290	3,850	4,886	1,972
All	1,414	2,910	3,489	4,146	5,228	3,520	3,409	4,354	4,553	2,959	3,086	1,745
55 w/WSAs												
C	1,230	1,513	1,243	982	1,482	1,219	1,479	1,768	1,975	1,394	1,079	1,162
D	1,224	1,876	1,883	1,480	2,531	2,232	2,489	2,929	2,828	2,168	1,964	1,613
BN	1,394	2,186	2,326	2,225	4,085	2,866	3,768	4,129	4,063	3,124	2,315	1,804
AN	1,252	2,837	3,175	5,034	6,327	4,861	3,895	5,046	5,095	3,291	2,964	2,371
W	1,572	3,294	6,484	8,447	9,501	6,156	6,351	7,688	7,504	3,671	4,175	2,366
All	1,366	2,423	3,416	4,084	5,232	3,698	3,912	4,670	4,619	2,818	2,680	1,897
55 w/WSAs + 2025 ROD/ITP												
C	1,201	1,431	1,293	979	1,482	1,213	1,506	1,774	1,956	1,402	1,069	1,109
D	1,236	2,026	1,891	1,572	2,570	2,233	2,489	2,867	2,756	2,328	1,964	1,615
BN	1,355	2,217	2,363	2,301	4,091	2,868	3,767	4,178	4,141	2,992	2,275	1,757
AN	1,245	3,167	3,177	5,073	6,342	4,861	3,895	5,045	5,021	3,150	2,989	1,783
W	1,628	3,443	6,519	8,503	9,511	6,156	6,355	7,688	7,491	3,687	4,172	1,970
All	1,373	2,534	3,443	4,141	5,247	3,697	3,917	4,667	4,602	2,817	2,672	1,688

H1a7.2.2 American River above Confluence with Sacramento River (SWRCB American River)

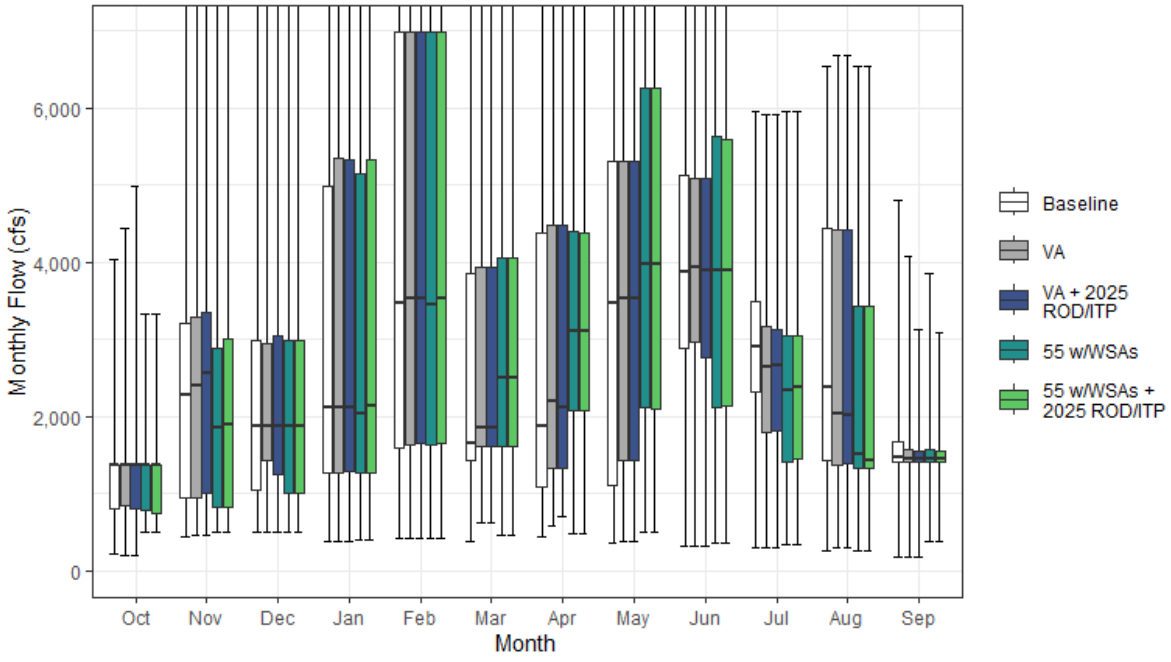

Figure H1a7-2. American River Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-3. Cumulative Distribution of Monthly Flow (cfs) — American River above Confluence with Sacramento River (SWRCB American River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	224	431	500	386	416	383	430	353	312	297	251	183	367
10%	584	567	596	573	1,277	934	812	806	808	1,257	1,275	1,197	962
25%	812	947	1,052	1,276	1,597	1,426	1,094	1,102	2,884	2,317	1,438	1,403	1,321
50%	1,365	2,276	1,865	2,111	3,469	1,651	1,872	3,469	3,870	2,907	2,376	1,470	1,879
75%	1,366	3,214	2,992	4,994	6,982	3,849	4,380	5,302	5,119	3,487	4,436	1,661	3,117
90%	1,608	4,367	8,775	9,418	11,171	8,214	6,670	8,275	7,446	4,272	4,992	2,204	4,111
100%	4,041	16,514	20,229	26,156	31,483	14,478	15,081	13,158	13,649	5,960	6,550	4,809	6,799
Mean	1,247	2,568	3,345	3,993	5,066	3,280	3,088	3,871	4,198	2,829	2,774	1,663	2,281
VA													
0%	187	452	500	386	416	611	577	382	312	298	292	179	388
10%	576	567	627	577	1,278	1,146	1,060	853	951	1,161	1,186	1,181	994
25%	843	938	1,425	1,276	1,624	1,618	1,321	1,421	2,974	1,789	1,359	1,403	1,261
50%	1,365	2,397	1,865	2,111	3,527	1,852	2,193	3,526	3,938	2,647	2,035	1,456	1,859
75%	1,366	3,284	2,947	5,354	6,982	3,929	4,487	5,304	5,085	3,157	4,420	1,570	3,108
90%	1,605	4,386	8,701	9,418	11,171	8,214	6,671	8,275	7,448	3,712	5,053	2,110	4,089
100%	4,442	16,602	20,951	26,158	31,483	14,478	15,081	13,159	13,650	5,911	6,677	4,071	6,772
Mean	1,226	2,619	3,346	4,022	5,104	3,383	3,220	4,081	4,226	2,543	2,681	1,633	2,290
VA + 2025 ROD/ITP													
0%	187	452	500	386	416	612	697	382	312	298	292	174	388
10%	576	575	627	577	1,280	1,146	1,061	1,001	813	1,165	1,235	1,230	999
25%	811	1,013	1,256	1,277	1,658	1,619	1,320	1,436	2,761	1,823	1,392	1,403	1,286
50%	1,365	2,566	1,865	2,111	3,527	1,852	2,125	3,526	3,898	2,655	2,016	1,455	1,881
75%	1,366	3,340	3,055	5,320	6,984	3,929	4,488	5,304	5,085	3,118	4,420	1,551	3,094
90%	1,626	4,514	8,704	9,418	11,171	8,214	6,671	8,275	7,448	3,710	5,053	1,627	4,096
100%	4,986	16,605	21,186	26,158	31,484	14,478	15,081	13,159	13,651	5,912	6,677	3,129	6,787
Mean	1,242	2,741	3,353	4,040	5,112	3,381	3,221	4,091	4,196	2,543	2,703	1,462	2,291
55 w/WSAs													
0%	500	500	500	388	416	449	469	502	363	347	250	375	338
10%	544	566	656	619	1,279	1,219	1,305	1,120	854	1,215	995	1,238	976
25%	773	814	1,011	1,276	1,623	1,620	2,069	2,108	2,107	1,412	1,326	1,398	1,269
50%	1,365	1,861	1,864	2,042	3,458	2,509	3,103	3,969	3,891	2,344	1,514	1,456	1,932
75%	1,366	2,888	2,984	5,149	6,982	4,051	4,394	6,258	5,640	3,047	3,435	1,571	3,114
90%	1,614	3,864	8,574	9,414	11,170	8,214	6,657	8,614	7,915	3,786	4,923	2,431	4,092
100%	3,322	13,989	19,796	26,156	31,483	14,478	15,081	13,153	13,649	5,956	6,550	3,852	6,791
Mean	1,213	2,277	3,298	3,986	5,121	3,553	3,710	4,399	4,270	2,417	2,319	1,624	2,297
55 w/WSAs + 2025 ROD/ITP													
0%	500	500	500	388	416	449	469	502	363	347	250	375	338
10%	544	566	656	621	1,279	1,219	1,351	1,166	818	1,218	995	1,127	979
25%	740	823	1,011	1,276	1,654	1,620	2,069	2,103	2,131	1,447	1,318	1,398	1,301
50%	1,365	1,891	1,864	2,134	3,527	2,509	3,103	3,969	3,891	2,381	1,429	1,456	1,888
75%	1,366	2,996	2,983	5,331	6,982	4,051	4,377	6,260	5,584	3,047	3,428	1,548	3,058
90%	1,632	4,350	8,604	9,414	11,170	8,214	6,657	8,614	7,915	3,874	4,923	1,574	4,093
100%	3,322	14,774	21,137	26,156	31,483	14,478	15,081	13,153	13,649	5,956	6,550	3,090	6,791
Mean	1,217	2,384	3,324	4,042	5,135	3,552	3,715	4,394	4,252	2,416	2,312	1,420	2,295

Table H1a7-4. Water Year Average of Monthly Flows (cfs) — American River above Confluence with Sacramento River (SWRCB American River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	1,082	1,492	1,266	984	1,196	919	1,218	1,022	1,630	936	1,157	1,085
D	1,117	2,049	1,772	1,300	2,365	1,781	1,451	1,781	3,169	2,633	2,027	1,427
BN	1,229	2,364	2,288	2,117	3,910	2,262	2,550	3,234	3,561	3,388	2,407	1,621
AN	1,130	3,434	3,119	4,931	6,243	4,620	2,961	4,340	4,001	3,186	2,913	2,500
W	1,490	3,306	6,366	8,387	9,372	5,746	5,677	7,138	6,804	3,487	4,361	1,837
All	1,247	2,568	3,345	3,993	5,066	3,280	3,088	3,871	4,198	2,829	2,774	1,663
VA												
C	1,105	1,531	1,293	943	1,352	1,090	1,481	1,086	1,562	931	1,002	1,082
D	1,118	2,097	1,795	1,271	2,353	2,011	1,744	2,403	3,243	2,014	1,691	1,398
BN	1,166	2,481	2,242	2,200	3,988	2,339	2,629	3,496	3,616	2,868	2,387	1,522
AN	1,116	3,472	3,089	5,013	6,243	4,695	3,037	4,431	4,021	2,971	2,837	2,602
W	1,452	3,328	6,379	8,439	9,373	5,747	5,678	7,138	6,834	3,412	4,427	1,781
All	1,226	2,619	3,346	4,022	5,104	3,383	3,220	4,081	4,226	2,543	2,681	1,633
VA + 2025 ROD/ITP												
C	1,104	1,681	1,232	1,000	1,299	1,097	1,501	1,106	1,558	979	1,007	1,087
D	1,112	2,163	1,833	1,312	2,423	1,998	1,732	2,456	3,077	2,020	1,712	1,398
BN	1,189	2,520	2,223	2,231	3,995	2,339	2,628	3,471	3,598	2,877	2,460	1,546
AN	1,088	3,430	3,090	5,000	6,243	4,694	3,037	4,429	4,081	2,931	2,842	1,510
W	1,506	3,596	6,420	8,423	9,373	5,747	5,677	7,138	6,849	3,393	4,433	1,635
All	1,242	2,741	3,353	4,040	5,112	3,381	3,221	4,091	4,196	2,543	2,703	1,462
55 w/WSAs												
C	1,076	1,380	1,152	879	1,399	1,105	1,314	1,579	1,728	1,122	825	970
D	1,082	1,735	1,797	1,372	2,416	2,091	2,305	2,713	2,543	1,789	1,646	1,397
BN	1,245	2,028	2,195	2,127	3,988	2,726	3,566	3,860	3,720	2,698	1,955	1,544
AN	1,098	2,693	3,051	4,990	6,232	4,701	3,681	4,752	4,722	2,847	2,571	2,051
W	1,409	3,145	6,342	8,337	9,365	5,995	6,122	7,339	7,059	3,219	3,741	2,019
All	1,213	2,277	3,298	3,986	5,121	3,553	3,710	4,399	4,270	2,417	2,319	1,624
55 w/WSAs + 2025 ROD/ITP												
C	1,047	1,299	1,201	876	1,397	1,098	1,340	1,586	1,708	1,130	816	920
D	1,087	1,879	1,801	1,461	2,453	2,091	2,305	2,649	2,470	1,943	1,644	1,397
BN	1,208	2,056	2,231	2,202	3,994	2,727	3,564	3,906	3,795	2,568	1,916	1,497
AN	1,088	3,014	3,054	5,029	6,246	4,701	3,681	4,751	4,650	2,710	2,595	1,476
W	1,461	3,289	6,375	8,392	9,375	5,995	6,126	7,339	7,047	3,234	3,739	1,633
All	1,217	2,384	3,324	4,042	5,135	3,552	3,715	4,394	4,252	2,416	2,312	1,420

H1a7.2.3 Antelope Creek above Confluence with Sacramento River (SWRCB Antelope Creek)

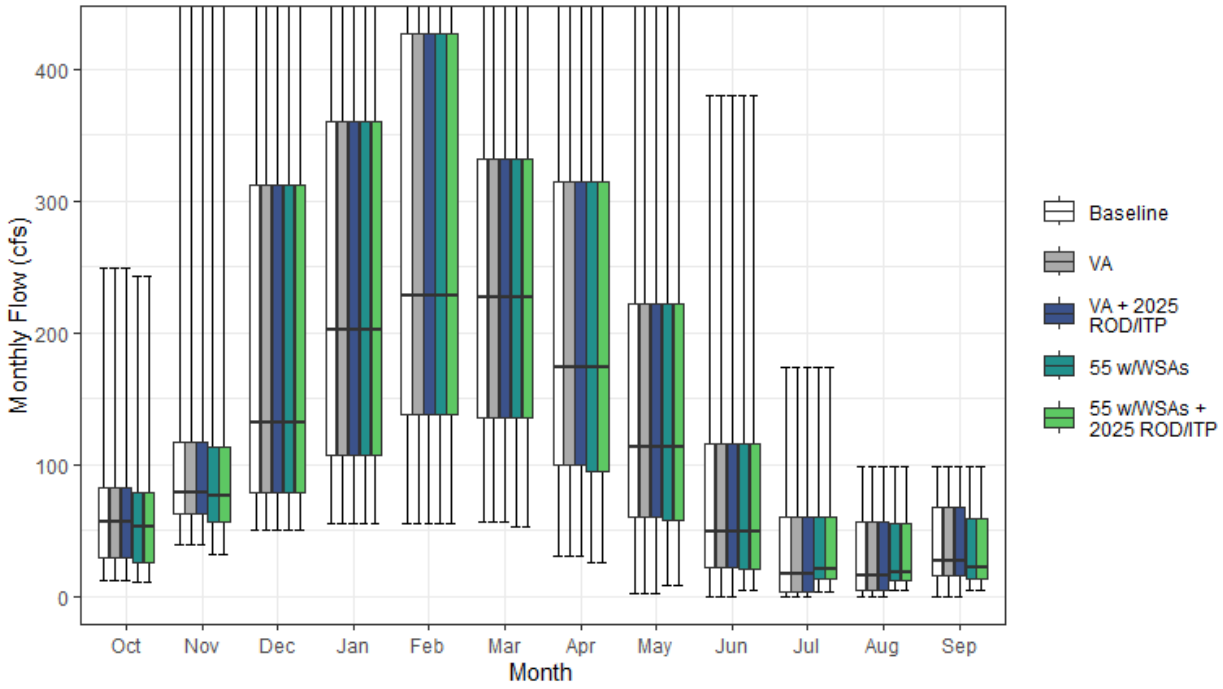

Figure H1a7-3. Antelope Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-5. Cumulative Distribution of Monthly Flow (cfs) — Antelope Creek above Confluence with Sacramento River (SWRCB Antelope Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	12	39	50	55	56	56	31	3	0	0	0	0	24
10%	20	51	64	71	97	101	68	36	10	0	0	6	41
25%	29	63	78	107	138	136	100	60	22	4	5	16	59
50%	57	78	131	202	229	227	174	113	49	17	16	27	88
75%	82	117	311	360	427	332	315	221	116	60	56	67	151
90%	91	184	506	579	625	532	435	296	173	78	69	74	200
100%	249	541	743	1,220	1,190	872	611	529	380	174	99	98	242
Mean	59	105	215	280	316	271	219	145	76	35	31	39	108
VA													
0%	12	39	50	55	56	56	31	3	0	0	0	0	24
10%	20	51	64	71	97	101	68	36	10	0	0	6	41
25%	29	63	78	107	138	136	100	60	22	4	5	16	59
50%	57	78	131	202	229	227	174	113	49	17	16	27	88
75%	82	117	311	360	427	332	315	221	116	60	56	67	151
90%	91	184	506	579	625	532	435	296	173	78	69	74	200
100%	249	541	743	1,220	1,190	872	611	529	380	174	99	98	242
Mean	59	105	215	280	316	271	219	145	76	35	31	39	108
VA + 2025 ROD/ITP													
0%	12	39	50	55	56	56	31	3	0	0	0	0	24
10%	20	51	64	71	97	101	68	36	10	0	0	6	41
25%	29	63	78	107	138	136	100	60	22	4	5	16	59
50%	57	78	131	202	229	227	174	113	49	17	16	27	88
75%	82	117	311	360	427	332	315	221	116	60	56	67	151
90%	91	184	506	579	625	532	435	296	173	78	69	74	200
100%	249	541	743	1,220	1,190	872	611	529	380	174	99	98	242
Mean	59	105	215	280	316	271	219	145	76	35	31	39	108
55 w/WSAs													
0%	11	31	50	55	56	52	25	9	5	4	4	5	25
10%	18	45	64	71	96	100	67	34	11	8	8	8	42
25%	26	57	78	107	138	136	94	58	21	13	12	14	59
50%	52	76	131	202	229	227	173	113	49	20	19	21	87
75%	78	113	311	360	427	332	315	221	116	60	56	58	151
90%	85	182	506	579	625	532	435	296	173	82	67	69	199
100%	243	540	743	1,220	1,190	872	611	529	380	174	98	98	241
Mean	54	101	215	280	316	271	218	145	76	39	32	36	107
55 w/WSAs + 2025 ROD/ITP													
0%	11	31	50	55	56	52	25	9	5	4	4	5	25
10%	18	45	64	71	96	100	67	34	11	8	8	8	42
25%	26	57	78	107	138	136	94	58	21	13	12	14	59
50%	52	76	131	202	229	227	173	113	49	20	19	21	87
75%	78	113	311	360	427	332	315	221	116	60	56	58	151
90%	85	182	506	579	625	532	435	296	173	82	67	69	199
100%	243	540	743	1,220	1,190	872	611	529	380	174	98	98	241
Mean	54	101	215	280	316	271	218	145	76	39	32	36	107

Table H1a7-6. Water Year Average of Monthly Flows (cfs) — Antelope Creek above Confluence with Sacramento River (SWRCB Antelope Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	35	56	99	99	116	114	64	35	9	0	1	6
D	51	85	142	127	188	202	123	69	23	6	7	18
BN	57	87	151	208	274	237	214	114	56	17	15	26
AN	58	105	180	361	416	355	262	185	97	51	49	59
W	78	156	384	502	504	395	359	262	156	81	67	73
All	59	105	215	280	316	271	219	145	76	35	31	39
VA												
C	35	56	99	99	116	114	64	35	9	0	1	6
D	51	85	142	127	188	202	123	69	23	6	7	18
BN	57	87	151	208	274	237	214	114	56	17	15	26
AN	58	105	180	361	416	355	262	185	97	51	49	59
W	78	156	384	502	504	395	359	262	156	81	67	73
All	59	105	215	280	316	271	219	145	76	35	31	39
VA + 2025 ROD/ITP												
C	35	56	99	99	116	114	64	35	9	0	1	6
D	51	85	142	127	188	202	123	69	23	6	7	18
BN	57	87	151	208	274	237	214	114	56	17	15	26
AN	58	105	180	361	416	355	262	185	97	51	49	59
W	78	156	384	502	504	395	359	262	156	81	67	73
All	59	105	215	280	316	271	219	145	76	35	31	39
55 w/WSAs												
C	31	53	99	99	116	113	61	34	12	7	7	9
D	47	81	142	127	187	202	122	69	23	13	12	15
BN	52	82	151	208	274	237	212	115	54	20	18	21
AN	52	100	180	361	416	355	262	185	96	50	46	54
W	73	154	384	502	504	395	359	262	156	81	64	67
All	54	101	215	280	316	271	218	145	76	39	32	36
55 w/WSAs + 2025 ROD/ITP												
C	31	53	99	99	116	113	61	34	12	7	7	9
D	47	81	142	127	187	202	122	69	23	13	12	15
BN	52	82	151	208	274	237	212	115	54	20	18	21
AN	52	100	180	361	416	355	262	185	96	50	46	54
W	73	154	384	502	504	395	359	262	156	81	64	67
All	54	101	215	280	316	271	218	145	76	39	32	36

H1a7.2.4 Battle Creek above Confluence with Sacramento River (SWRCB Battle Creek)

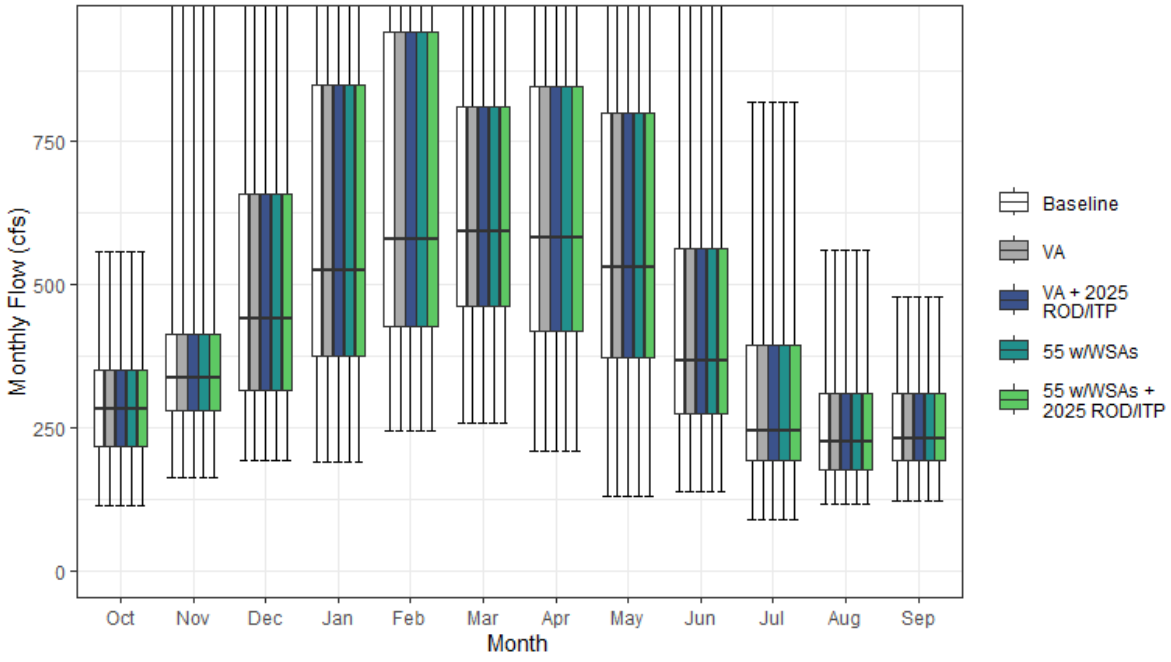

Figure H1a7-4. Battle Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-7. Cumulative Distribution of Monthly Flow (cfs) — Battle Creek above Confluence with Sacramento River (SWRCB Battle Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	113	162	192	191	246	259	209	131	139	89	116	122	161
10%	183	222	258	288	346	372	339	301	219	163	153	169	207
25%	217	279	314	376	427	462	418	373	273	194	176	192	253
50%	282	336	441	524	579	592	584	531	368	244	225	232	304
75%	350	414	658	848	942	811	846	800	563	395	311	309	431
90%	401	539	1,019	1,144	1,279	1,148	1,054	975	755	459	357	345	530
100%	559	1,041	1,561	2,384	1,886	1,772	1,707	1,590	1,462	819	562	480	678
Mean	286	372	542	664	723	685	652	587	445	294	244	250	346
VA													
0%	113	162	192	191	246	259	209	131	139	89	116	122	161
10%	183	222	258	288	346	372	339	301	219	163	153	169	207
25%	217	279	314	376	427	462	418	373	273	194	176	192	253
50%	282	336	441	524	579	592	584	531	368	244	225	232	304
75%	350	414	658	848	942	811	846	800	563	395	311	309	431
90%	401	539	1,019	1,144	1,279	1,148	1,054	975	755	459	357	345	530
100%	559	1,041	1,561	2,384	1,886	1,772	1,707	1,590	1,462	819	562	480	678
Mean	286	372	542	664	723	685	652	587	445	294	244	250	346
VA + 2025 ROD/ITP													
0%	113	162	192	191	246	259	209	131	139	89	116	122	161
10%	183	222	258	288	346	372	339	301	219	163	153	169	207
25%	217	279	314	376	427	462	418	373	273	194	176	192	253
50%	282	336	441	524	579	592	584	531	368	244	225	232	304
75%	350	414	658	848	942	811	846	800	563	395	311	309	431
90%	401	539	1,019	1,144	1,279	1,148	1,054	975	755	459	357	345	530
100%	559	1,041	1,561	2,384	1,886	1,772	1,707	1,590	1,462	819	562	480	678
Mean	286	372	542	664	723	685	652	587	445	294	244	250	346
55 w/WSAs													
0%	113	162	192	191	246	259	209	131	139	89	116	122	161
10%	183	222	258	288	346	372	339	301	219	163	153	169	207
25%	217	279	314	376	427	462	418	373	273	194	176	192	253
50%	282	336	441	524	579	592	584	531	368	244	225	232	304
75%	350	414	658	848	942	811	846	800	563	395	311	309	431
90%	401	539	1,019	1,144	1,279	1,148	1,054	975	755	459	357	345	530
100%	559	1,041	1,561	2,384	1,886	1,772	1,707	1,590	1,462	819	562	480	678
Mean	286	372	542	664	723	685	652	587	445	294	244	250	346
55 w/WSAs + 2025 ROD/ITP													
0%	113	162	192	191	246	259	209	131	139	89	116	122	161
10%	183	222	258	288	346	372	339	301	219	163	153	169	207
25%	217	279	314	376	427	462	418	373	273	194	176	192	253
50%	282	336	441	524	579	592	584	531	368	244	225	232	304
75%	350	414	658	848	942	811	846	800	563	395	311	309	431
90%	401	539	1,019	1,144	1,279	1,148	1,054	975	755	459	357	345	530
100%	559	1,041	1,561	2,384	1,886	1,772	1,707	1,590	1,462	819	562	480	678
Mean	286	372	542	664	723	685	652	587	445	294	244	250	346

Table H1a7-8. Water Year Average of Monthly Flows (cfs) — Battle Creek above Confluence with Sacramento River (SWRCB Battle Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	241	260	354	349	395	400	311	276	212	157	154	173
D	282	335	455	403	524	544	495	389	286	198	183	203
BN	269	323	421	541	620	591	639	521	385	243	206	215
AN	274	367	474	768	835	866	716	680	489	324	263	277
W	329	491	810	1,059	1,063	927	931	903	706	459	352	338
All	286	372	542	664	723	685	652	587	445	294	244	250
VA												
C	241	260	354	349	395	400	311	276	212	157	154	173
D	282	335	455	403	524	544	495	389	286	198	183	203
BN	269	323	421	541	620	591	639	521	385	243	206	215
AN	274	367	474	768	835	866	716	680	489	324	263	277
W	329	491	810	1,059	1,063	927	931	903	706	459	352	338
All	286	372	542	664	723	685	652	587	445	294	244	250
VA + 2025 ROD/ITP												
C	241	260	354	349	395	400	311	276	212	157	154	173
D	282	335	455	403	524	544	495	389	286	198	183	203
BN	269	323	421	541	620	591	639	521	385	243	206	215
AN	274	367	474	768	835	866	716	680	489	324	263	277
W	329	491	810	1,059	1,063	927	931	903	706	459	352	338
All	286	372	542	664	723	685	652	587	445	294	244	250
55 w/WSAs												
C	241	260	354	349	395	400	311	276	212	157	155	173
D	282	335	455	403	524	544	495	389	286	198	183	203
BN	269	323	421	541	620	591	639	521	385	243	206	215
AN	274	367	474	768	835	866	716	680	489	324	263	277
W	329	491	810	1,059	1,063	927	931	903	706	459	352	338
All	286	372	542	664	723	685	652	587	445	294	244	250
55 w/WSAs + 2025 ROD/ITP												
C	241	260	354	349	395	400	311	276	212	157	155	173
D	282	335	455	403	524	544	495	389	286	198	183	203
BN	269	323	421	541	620	591	639	521	385	243	206	215
AN	274	367	474	768	835	866	716	680	489	324	263	277
W	329	491	810	1,059	1,063	927	931	903	706	459	352	338
All	286	372	542	664	723	685	652	587	445	294	244	250

H1a7.2.5 Bear River below Camp Far West Reservoir (SWRCB Camp Far West)

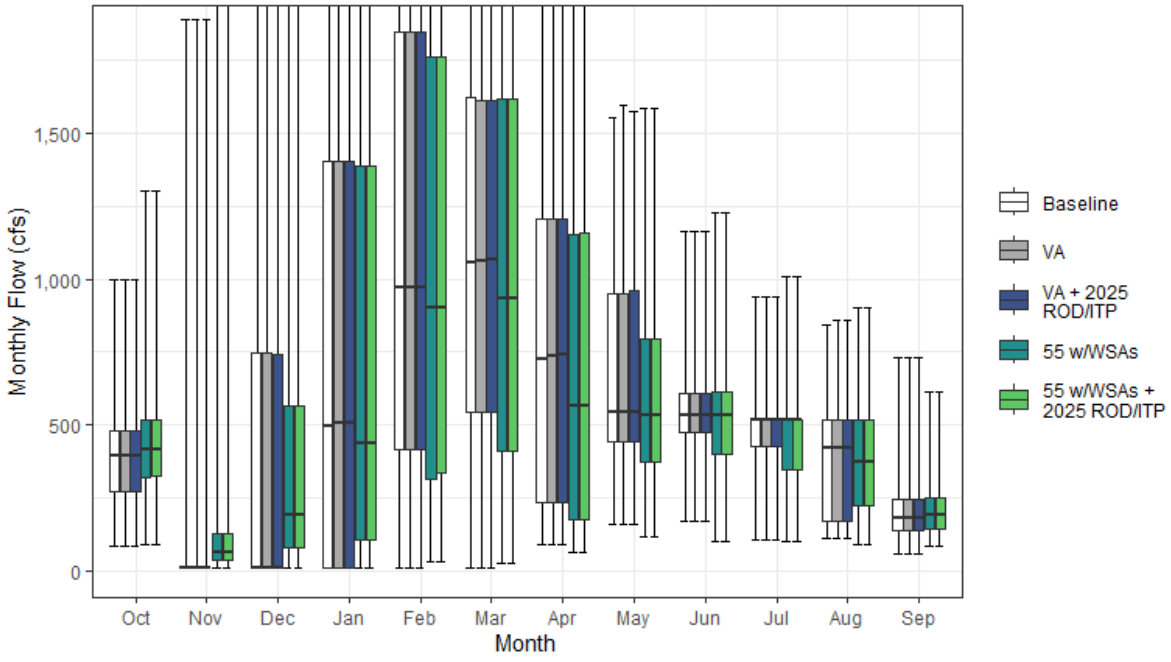

Figure H1a7-5. Bear River Streamflow below Camp Far West Reservoir Monthly Boxplot (cfs)

Table H1a7-9. Cumulative Distribution of Monthly Flow (cfs) — Bear River below Camp Far West Reservoir (SWRCB Camp Far West)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	85	10	10	10	10	10	88	158	172	106	109	56	69
10%	217	10	10	10	10	117	126	310	314	291	124	106	144
25%	272	10	10	10	417	541	236	441	472	426	171	135	223
50%	394	10	10	494	972	1,059	727	542	530	515	418	178	401
75%	477	10	745	1,402	1,846	1,623	1,204	947	609	523	515	242	681
90%	515	449	2,198	2,675	3,028	2,604	1,698	1,228	885	694	554	304	867
100%	997	1,891	3,993	4,735	6,332	4,154	3,723	1,551	1,162	939	841	733	1,229
Mean	379	158	589	986	1,303	1,194	869	685	564	493	376	199	469
VA													
0%	85	10	10	10	10	10	88	158	172	106	109	56	69
10%	217	10	10	10	10	118	126	310	314	291	124	106	143
25%	272	10	10	10	417	541	236	441	472	426	171	135	225
50%	394	10	10	506	972	1,064	734	542	530	515	418	178	399
75%	477	10	745	1,402	1,846	1,612	1,204	948	609	523	515	242	680
90%	515	452	2,198	2,680	3,029	2,604	1,699	1,205	885	694	554	304	868
100%	997	1,891	3,993	4,745	6,332	4,154	3,723	1,593	1,162	939	856	733	1,229
Mean	380	158	590	986	1,302	1,194	868	685	564	493	376	199	469
VA + 2025 ROD/ITP													
0%	85	10	10	10	10	10	88	158	172	106	109	56	69
10%	217	10	10	10	10	118	126	310	314	291	124	106	142
25%	272	10	10	10	417	541	236	441	472	426	171	135	225
50%	394	10	10	506	971	1,067	740	542	530	515	418	178	401
75%	477	10	738	1,402	1,846	1,612	1,204	957	609	524	515	242	679
90%	515	452	2,196	2,680	3,029	2,592	1,693	1,205	885	694	554	304	868
100%	997	1,891	3,993	4,748	6,332	4,139	3,723	1,573	1,162	939	856	733	1,230
Mean	380	158	589	987	1,301	1,194	869	685	564	493	376	199	469
55 w/WSAs													
0%	91	10	10	10	33	25	60	117	102	102	90	81	78
10%	253	16	31	51	124	134	112	248	280	255	152	111	146
25%	321	33	80	106	315	412	176	372	400	345	222	144	213
50%	413	65	189	436	904	931	565	530	530	515	370	189	372
75%	515	128	564	1,388	1,760	1,619	1,154	795	611	515	515	251	655
90%	549	521	2,086	2,670	3,024	2,604	1,676	1,085	906	655	527	304	844
100%	1,304	2,813	3,869	4,643	6,332	4,154	3,764	1,586	1,226	1,008	901	613	1,231
Mean	417	215	573	954	1,272	1,154	806	598	542	478	359	207	455
55 w/WSAs + 2025 ROD/ITP													
0%	91	10	10	10	33	25	60	117	102	102	90	82	78
10%	252	16	31	50	124	134	112	248	280	255	152	111	146
25%	323	33	80	106	337	412	176	372	400	345	222	144	214
50%	413	65	189	436	904	931	565	530	530	515	370	189	372
75%	515	128	563	1,388	1,760	1,619	1,156	795	611	515	515	251	655
90%	549	521	2,086	2,670	3,024	2,594	1,676	1,085	906	654	527	300	844
100%	1,302	2,815	3,869	4,643	6,332	4,154	3,723	1,586	1,226	1,008	901	613	1,229
Mean	418	215	573	954	1,272	1,153	807	599	542	478	360	206	455

Table H1a7-10. Water Year Average of Monthly Flows (cfs) — Bear River below Camp Far West Reservoir (SWRCB Camp Far West)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	362	45	50	62	246	258	165	314	332	329	174	120
D	326	55	180	267	515	733	406	492	463	436	249	151
BN	357	42	328	498	1,112	1,099	800	600	542	475	389	180
AN	370	214	522	1,414	1,712	1,526	942	929	691	575	440	255
W	445	344	1,370	2,145	2,401	1,960	1,599	980	725	602	542	265
All	379	158	589	986	1,303	1,194	869	685	564	493	376	199
VA												
C	362	46	51	61	246	260	165	314	332	329	174	120
D	326	55	181	268	515	734	407	492	463	436	249	151
BN	356	43	329	499	1,111	1,099	801	600	542	475	389	180
AN	376	214	523	1,413	1,711	1,517	944	922	691	575	440	255
W	445	344	1,370	2,145	2,400	1,959	1,593	983	725	602	543	266
All	380	158	590	986	1,302	1,194	868	685	564	493	376	199
VA + 2025 ROD/ITP												
C	362	46	51	62	243	258	165	314	332	329	174	120
D	326	55	180	268	514	734	408	494	463	436	249	151
BN	356	43	328	499	1,111	1,099	803	600	542	475	389	180
AN	376	214	521	1,413	1,707	1,519	945	925	690	575	440	255
W	445	343	1,370	2,146	2,401	1,960	1,595	981	725	602	542	266
All	380	158	589	987	1,301	1,194	869	685	564	493	376	199
55 w/WSAs												
C	403	70	111	110	261	227	146	246	294	300	193	127
D	355	90	242	282	465	663	323	415	416	392	286	166
BN	386	80	319	471	1,037	1,054	694	510	518	471	385	199
AN	416	240	532	1,295	1,665	1,477	865	761	683	573	370	245
W	492	459	1,239	2,066	2,393	1,942	1,561	911	725	601	480	270
All	417	215	573	954	1,272	1,154	806	598	542	478	359	207
55 w/WSAs + 2025 ROD/ITP												
C	403	70	112	110	261	226	146	246	294	300	193	127
D	355	90	242	282	468	662	323	415	416	392	286	166
BN	389	79	318	471	1,037	1,052	691	510	518	472	385	199
AN	416	240	532	1,295	1,665	1,477	865	763	683	572	376	240
W	492	459	1,240	2,066	2,393	1,943	1,563	912	725	601	480	270
All	418	215	573	954	1,272	1,153	807	599	542	478	360	206

H1a7.2.6 Bear River above Confluence with Feather River (SWRCB Bear River)

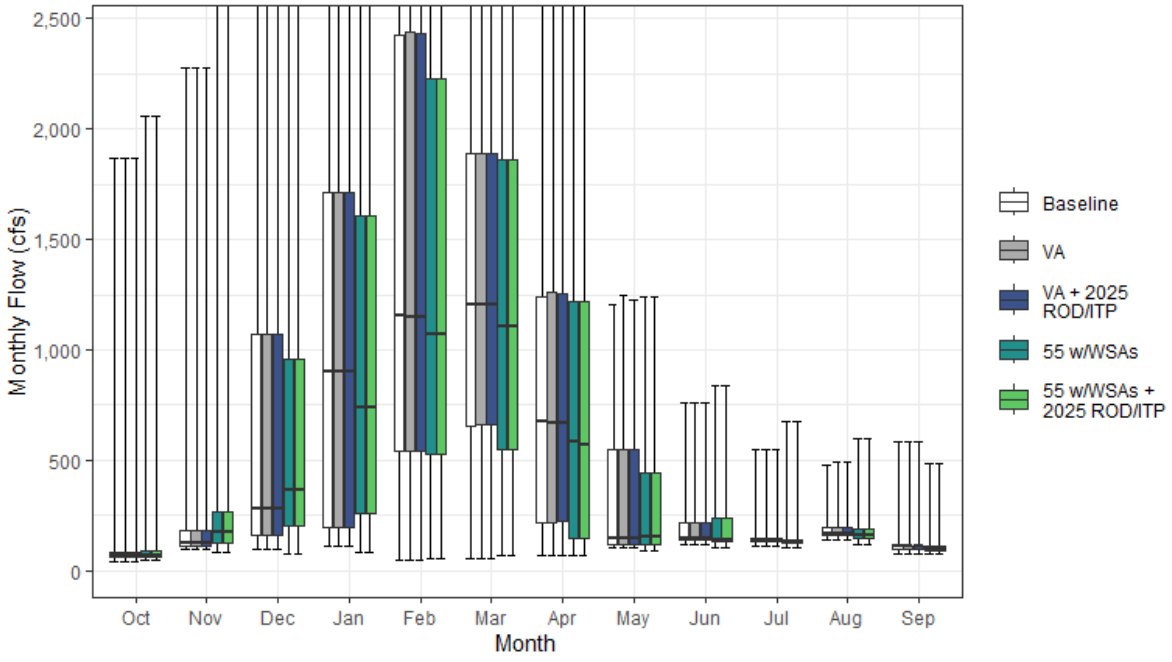

Figure H1a7-6. Bear River Streamflow above Confluence with Feather River Monthly Boxplot (cfs)

Table H1a7-11. Cumulative Distribution of Monthly Flow (cfs) — Bear River above Confluence with Feather River (SWRCB Bear River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	42	94	99	108	45	57	70	102	121	111	142	79	77
10%	52	104	117	145	140	199	93	108	128	125	150	93	141
25%	59	110	159	193	539	653	219	118	137	132	157	96	202
50%	67	126	281	903	1,156	1,203	673	148	147	136	166	107	360
75%	83	182	1,069	1,714	2,428	1,892	1,239	546	215	145	193	112	692
90%	112	595	2,716	3,385	3,821	3,033	1,802	814	474	299	203	128	863
100%	1,867	2,277	4,471	6,013	7,651	5,444	4,272	1,204	757	546	475	584	1,305
Mean	96	288	868	1,342	1,714	1,456	873	338	224	172	188	121	460
VA													
0%	42	94	99	108	45	57	70	102	121	111	142	79	77
10%	52	104	117	145	140	199	93	108	128	125	150	93	141
25%	59	110	159	193	543	660	219	118	137	132	157	96	202
50%	67	126	281	903	1,145	1,203	668	148	147	136	166	107	359
75%	83	182	1,069	1,714	2,439	1,891	1,258	547	215	145	193	112	693
90%	112	598	2,716	3,390	3,821	3,033	1,805	802	474	299	203	128	863
100%	1,867	2,277	4,471	6,013	7,651	5,444	4,272	1,244	757	546	490	584	1,305
Mean	96	288	869	1,342	1,714	1,455	872	338	224	172	188	121	460
VA + 2025 ROD/ITP													
0%	42	94	99	108	45	57	70	102	121	111	142	79	77
10%	52	104	117	145	140	199	93	108	128	125	150	93	141
25%	59	110	159	193	539	660	224	118	137	132	157	96	202
50%	67	126	281	903	1,145	1,203	668	148	147	136	166	107	360
75%	83	182	1,069	1,714	2,434	1,891	1,253	550	215	145	193	112	692
90%	112	598	2,716	3,390	3,812	3,021	1,797	808	474	299	203	128	864
100%	1,867	2,277	4,471	6,013	7,651	5,430	4,272	1,225	757	546	490	584	1,307
Mean	96	288	868	1,342	1,713	1,455	873	338	224	172	188	121	460
55 w/WSAs													
0%	44	79	76	84	53	70	67	92	101	107	120	78	73
10%	56	99	148	200	246	201	91	104	121	118	138	84	139
25%	63	124	203	257	529	545	145	117	132	125	148	91	186
50%	69	172	365	735	1,073	1,105	581	151	142	132	160	99	346
75%	90	269	959	1,607	2,230	1,858	1,219	446	237	142	185	109	681
90%	118	613	2,639	3,252	3,805	3,032	1,848	748	508	325	266	149	843
100%	2,061	3,143	4,338	6,022	7,651	5,444	4,370	1,237	835	676	597	484	1,308
Mean	102	332	839	1,299	1,672	1,415	834	317	234	181	183	114	450
55 w/WSAs + 2025 ROD/ITP													
0%	44	79	76	84	53	70	67	92	101	107	120	78	73
10%	56	99	148	200	246	201	91	104	121	118	138	84	139
25%	63	124	203	257	529	545	145	117	132	125	148	91	186
50%	69	172	365	735	1,073	1,106	569	151	142	132	160	98	346
75%	90	269	959	1,607	2,230	1,858	1,219	446	238	142	185	109	681
90%	118	613	2,639	3,252	3,805	3,024	1,848	748	508	325	266	149	844
100%	2,060	3,145	4,338	6,022	7,651	5,444	4,331	1,237	835	676	597	484	1,306
Mean	102	333	839	1,299	1,673	1,415	834	317	234	181	184	114	451

Table H1a7-12. Water Year Average of Monthly Flows (cfs) — Bear River above Confluence with Feather River (SWRCB Bear River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	74	146	230	237	425	380	144	111	136	141	188	110
D	70	173	406	453	746	920	387	168	141	154	193	117
BN	70	158	518	755	1,495	1,322	785	214	166	138	157	100
AN	72	356	767	1,923	2,287	1,840	926	532	295	195	189	154
W	152	505	1,808	2,721	3,022	2,353	1,653	584	341	213	204	130
All	96	288	868	1,342	1,714	1,456	873	338	224	172	188	121
VA												
C	74	147	230	237	425	382	144	111	136	141	188	110
D	70	173	407	454	746	921	388	168	141	154	193	117
BN	70	159	520	755	1,494	1,322	785	214	166	138	157	100
AN	72	356	767	1,922	2,287	1,831	928	526	295	195	189	154
W	152	504	1,809	2,721	3,021	2,352	1,647	587	341	213	205	131
All	96	288	869	1,342	1,714	1,455	872	338	224	172	188	121
VA + 2025 ROD/ITP												
C	74	147	230	237	422	381	144	111	136	141	188	110
D	70	173	406	454	745	921	389	170	141	154	193	117
BN	70	158	518	755	1,494	1,322	788	214	166	138	157	100
AN	72	356	766	1,922	2,283	1,833	929	529	295	195	189	154
W	152	504	1,809	2,722	3,021	2,353	1,650	585	341	213	205	131
All	96	288	868	1,342	1,713	1,455	873	338	224	172	188	121
55 w/WSAs												
C	75	159	273	270	426	347	124	108	127	131	168	98
D	71	196	451	457	681	851	319	165	133	143	180	109
BN	78	185	500	717	1,408	1,277	715	195	175	155	167	99
AN	76	369	761	1,789	2,231	1,792	892	448	326	218	185	125
W	164	604	1,672	2,638	3,008	2,336	1,644	564	366	237	204	132
All	102	332	839	1,299	1,672	1,415	834	317	234	181	183	114
55 w/WSAs + 2025 ROD/ITP												
C	75	159	274	270	426	346	124	108	127	131	168	98
D	71	196	451	457	683	849	319	165	133	143	180	109
BN	78	185	499	718	1,409	1,276	712	195	175	155	167	99
AN	76	369	761	1,789	2,231	1,792	893	449	326	218	190	120
W	164	605	1,672	2,639	3,008	2,336	1,646	565	365	237	204	132
All	102	333	839	1,299	1,673	1,415	834	317	234	181	184	114

H1a7.2.7 Big Chico Creek above Confluence with Sacramento River (SWRCB Big Chico)

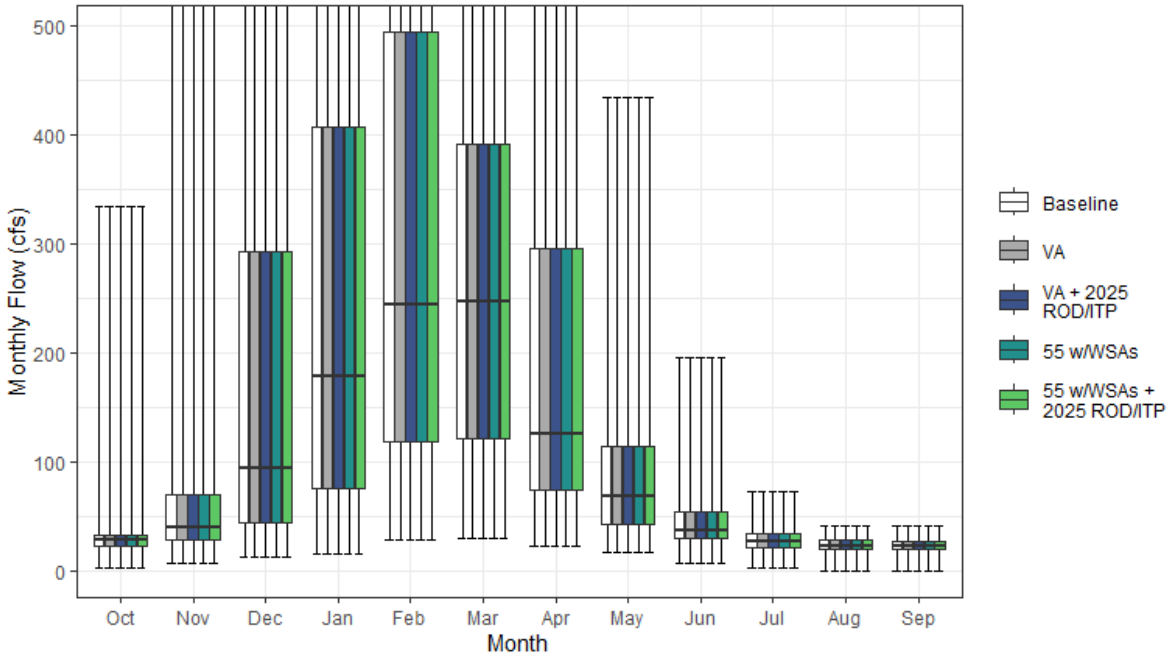

Figure H1a7-7. Big Chico Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-13. Cumulative Distribution of Monthly Flow (cfs) — Big Chico Creek above Confluence with Sacramento River (SWRCB Big Chico)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3	7	12	16	27	29	22	17	7	2	0	0	18
10%	18	23	28	42	70	79	51	31	23	16	14	14	37
25%	23	28	44	76	118	120	74	43	29	21	19	20	53
50%	28	40	94	178	244	247	125	68	37	27	23	23	83
75%	32	69	293	407	494	391	296	114	54	35	28	27	134
90%	42	137	483	718	789	646	414	185	74	42	33	31	198
100%	334	651	1,006	1,503	1,421	1,332	892	434	196	72	41	40	246
Mean	32	68	185	292	357	311	201	92	45	28	23	23	99
VA													
0%	3	7	12	16	27	29	22	17	7	2	0	0	18
10%	18	23	28	42	70	79	51	31	23	16	14	14	37
25%	23	28	44	76	118	120	74	43	29	21	19	20	53
50%	28	40	94	178	244	247	125	68	37	27	23	23	83
75%	32	69	293	407	494	391	296	114	54	35	28	27	134
90%	42	137	483	718	789	646	414	185	74	42	33	31	198
100%	334	651	1,006	1,503	1,421	1,332	892	434	196	72	41	40	246
Mean	32	68	185	292	357	311	201	92	45	28	23	23	99
VA + 2025 ROD/ITP													
0%	3	7	12	16	27	29	22	17	7	2	0	0	18
10%	18	23	28	42	70	79	51	31	23	16	14	14	37
25%	23	28	44	76	118	120	74	43	29	21	19	20	53
50%	28	40	94	178	244	247	125	68	37	27	23	23	83
75%	32	69	293	407	494	391	296	114	54	35	28	27	134
90%	42	137	483	718	789	646	414	185	74	42	33	31	198
100%	334	651	1,006	1,503	1,421	1,332	892	434	196	72	41	40	246
Mean	32	68	185	292	357	311	201	92	45	28	23	23	99
55 w/WSAs													
0%	3	7	12	16	27	29	22	17	7	2	0	0	18
10%	18	23	28	42	70	79	51	31	23	16	14	14	37
25%	23	28	44	76	118	120	74	43	29	21	19	20	53
50%	28	40	94	178	244	247	125	68	37	27	23	23	83
75%	32	69	293	407	494	391	296	114	54	35	28	27	134
90%	42	137	483	718	789	646	414	185	74	42	33	31	198
100%	334	651	1,006	1,503	1,421	1,332	892	434	196	72	41	40	246
Mean	32	68	185	292	357	311	201	92	45	28	23	23	99
55 w/WSAs + 2025 ROD/ITP													
0%	3	7	12	16	27	29	22	17	7	2	0	0	18
10%	18	23	28	42	70	79	51	31	23	16	14	14	37
25%	23	28	44	76	118	120	74	43	29	21	19	20	53
50%	28	40	94	178	244	247	125	68	37	27	23	23	83
75%	32	69	293	407	494	391	296	114	54	35	28	27	134
90%	42	137	483	718	789	646	414	185	74	42	33	31	198
100%	334	651	1,006	1,503	1,421	1,332	892	434	196	72	41	40	246
Mean	32	68	185	292	357	311	201	92	45	28	23	23	99

Table H1a7-14. Water Year Average of Monthly Flows (cfs) — Big Chico Creek above Confluence with Sacramento River (SWRCB Big Chico)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	22	25	68	80	129	116	57	36	26	14	12	12
D	27	51	114	101	181	203	107	56	31	22	19	21
BN	29	51	114	198	293	251	193	73	39	25	22	23
AN	32	68	135	417	490	373	218	122	53	33	26	25
W	42	116	365	555	596	507	343	147	67	40	30	28
All	32	68	185	292	357	311	201	92	45	28	23	23
VA												
C	22	25	68	80	129	116	57	36	26	14	12	12
D	27	51	114	101	181	203	107	56	31	22	19	21
BN	29	51	114	198	293	251	193	73	39	25	22	23
AN	32	68	135	417	490	373	218	122	53	33	26	25
W	42	116	365	555	596	507	343	147	67	40	30	28
All	32	68	185	292	357	311	201	92	45	28	23	23
VA + 2025 ROD/ITP												
C	22	25	68	80	129	116	57	36	26	14	12	12
D	27	51	114	101	181	203	107	56	31	22	19	21
BN	29	51	114	198	293	251	193	73	39	25	22	23
AN	32	68	135	417	490	373	218	122	53	33	26	25
W	42	116	365	555	596	507	343	147	67	40	30	28
All	32	68	185	292	357	311	201	92	45	28	23	23
55 w/WSAs												
C	22	25	68	80	129	116	57	36	26	14	12	12
D	27	51	114	101	181	203	107	56	31	22	19	21
BN	29	51	114	198	293	251	193	73	39	25	22	23
AN	32	68	135	417	490	373	218	122	53	33	26	25
W	42	116	365	555	596	507	343	147	67	40	30	28
All	32	68	185	292	357	311	201	92	45	28	23	23
55 w/WSAs + 2025 ROD/ITP												
C	22	25	68	80	129	116	57	36	26	14	12	12
D	27	51	114	101	181	203	107	56	31	22	19	21
BN	29	51	114	198	293	251	193	73	39	25	22	23
AN	32	68	135	417	490	373	218	122	53	33	26	25
W	42	116	365	555	596	507	343	147	67	40	30	28
All	32	68	185	292	357	311	201	92	45	28	23	23

H1a7.2.8 Butte Creek above Butte Slough (SWRCB Butte Creek)

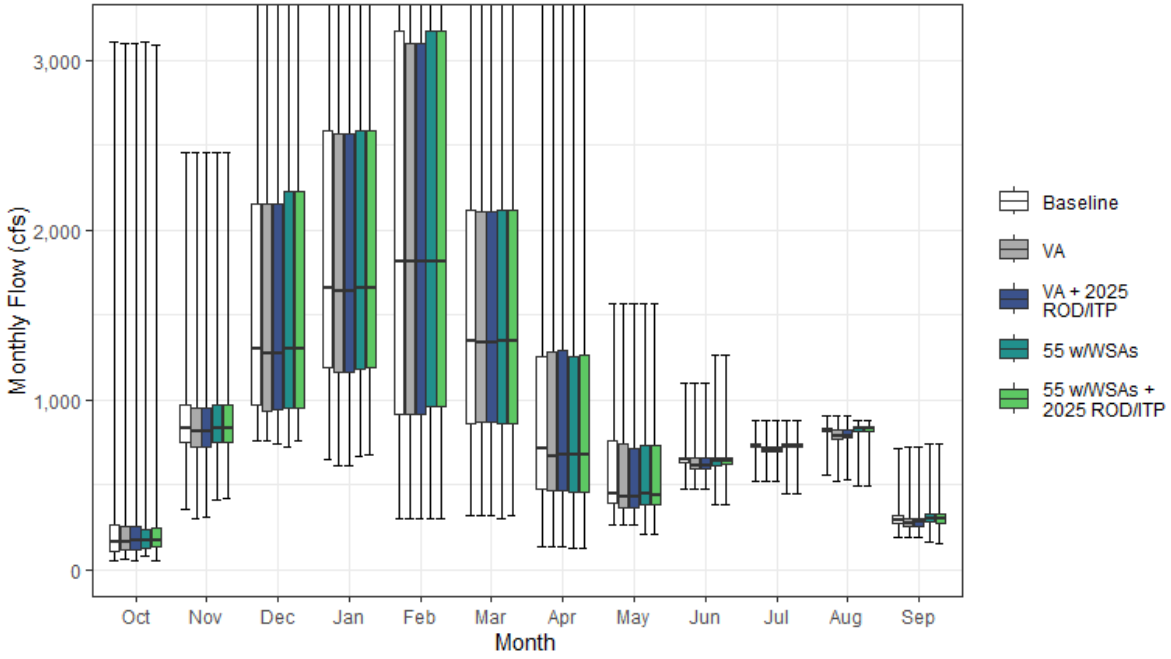

Figure H1a7-8. Butte Creek Streamflow above Butte Slough Monthly Boxplot (cfs)

Table H1a7-15. Cumulative Distribution of Monthly Flow (cfs) — Butte Creek above Butte Slough (SWRCB Butte Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	56	355	758	648	304	314	132	261	471	520	557	186	329
10%	100	692	841	940	533	532	327	361	593	655	744	247	493
25%	112	753	966	1,188	919	857	472	389	627	723	815	273	581
50%	159	833	1,302	1,656	1,810	1,341	713	448	645	728	825	293	709
75%	260	972	2,153	2,582	3,169	2,114	1,249	757	661	738	834	319	957
90%	368	1,244	3,234	3,865	4,680	3,015	1,757	1,107	758	753	842	361	1,123
100%	3,103	2,457	5,346	7,889	8,501	6,622	3,482	1,568	1,096	879	909	716	1,525
Mean	227	918	1,712	2,110	2,324	1,614	923	599	667	720	809	303	776
VA													
0%	65	303	754	615	304	314	132	261	471	519	518	185	328
10%	101	660	814	892	534	532	321	351	584	654	744	244	483
25%	120	725	932	1,163	916	872	463	367	594	690	772	258	565
50%	162	811	1,274	1,641	1,810	1,334	666	430	611	699	784	276	682
75%	256	949	2,153	2,567	3,093	2,107	1,278	737	657	725	820	301	949
90%	367	1,205	3,223	3,865	4,641	3,017	1,697	1,099	755	752	833	337	1,127
100%	3,099	2,457	5,343	7,888	8,462	6,622	3,481	1,568	1,096	878	909	719	1,523
Mean	231	897	1,693	2,090	2,306	1,612	902	581	642	702	783	289	765
VA + 2025 ROD/ITP													
0%	56	307	742	615	304	314	132	261	471	520	528	186	328
10%	101	660	814	905	534	532	321	351	584	655	745	240	484
25%	121	726	945	1,162	911	872	464	367	594	690	772	256	566
50%	168	814	1,274	1,637	1,812	1,334	678	425	611	699	786	278	685
75%	258	950	2,154	2,569	3,093	2,107	1,294	713	657	725	821	302	953
90%	367	1,205	3,233	3,866	4,649	3,010	1,696	1,100	756	752	837	348	1,125
100%	3,099	2,457	5,343	7,888	8,462	6,659	3,481	1,568	1,096	879	909	719	1,522
Mean	234	899	1,697	2,093	2,310	1,612	903	574	643	702	785	292	765
55 w/WSAs													
0%	76	413	724	669	304	299	130	205	381	444	490	159	306
10%	110	697	841	893	528	531	325	282	457	541	616	229	481
25%	126	753	955	1,184	963	857	460	385	615	720	815	278	576
50%	169	836	1,300	1,656	1,811	1,341	680	444	641	730	830	301	701
75%	238	972	2,227	2,582	3,169	2,114	1,249	729	661	738	838	329	963
90%	360	1,293	3,236	3,866	4,672	3,015	1,703	1,108	759	753	845	352	1,125
100%	3,109	2,457	5,343	7,883	8,462	6,623	3,482	1,568	1,261	879	881	738	1,517
Mean	233	924	1,714	2,101	2,314	1,614	904	580	645	700	793	308	771
55 w/WSAs + 2025 ROD/ITP													
0%	56	418	760	674	304	314	130	205	382	444	489	157	306
10%	112	698	841	911	528	532	325	283	459	561	665	251	489
25%	131	753	955	1,187	964	856	460	385	624	720	815	276	570
50%	172	833	1,300	1,656	1,811	1,341	680	440	641	729	829	298	704
75%	245	972	2,227	2,582	3,169	2,114	1,264	729	661	738	839	328	963
90%	345	1,293	3,236	3,865	4,672	3,026	1,703	1,108	759	753	845	352	1,125
100%	3,083	2,457	5,343	7,889	8,462	6,622	3,482	1,568	1,261	879	881	738	1,518
Mean	234	926	1,716	2,103	2,317	1,614	904	581	646	701	796	308	772

Table H1a7-16. Water Year Average of Monthly Flows (cfs) — Butte Creek above Butte Slough (SWRCB Butte Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	145	737	1,213	1,214	1,141	888	313	348	565	627	705	235
D	168	843	1,429	1,240	1,412	1,214	614	423	639	729	827	342
BN	186	833	1,285	1,736	2,122	1,417	951	530	661	726	821	299
AN	207	880	1,559	2,717	3,111	1,884	1,043	695	678	729	824	328
W	349	1,137	2,516	3,219	3,437	2,313	1,408	867	741	756	836	303
All	227	918	1,712	2,110	2,324	1,614	923	599	667	720	809	303
VA												
C	150	737	1,201	1,204	1,128	893	315	348	564	626	702	237
D	168	805	1,391	1,193	1,379	1,207	578	397	600	696	781	322
BN	189	800	1,253	1,712	2,101	1,413	913	495	614	693	776	275
AN	218	835	1,533	2,691	3,078	1,884	995	635	620	696	777	297
W	351	1,135	2,518	3,219	3,436	2,312	1,409	873	741	754	835	299
All	231	897	1,693	2,090	2,306	1,612	902	581	642	702	783	289
VA + 2025 ROD/ITP												
C	146	737	1,214	1,222	1,149	893	313	348	564	627	703	236
D	174	813	1,392	1,193	1,380	1,207	578	397	600	695	782	322
BN	192	804	1,253	1,712	2,100	1,409	912	495	618	693	776	277
AN	226	835	1,554	2,696	3,079	1,880	995	635	620	696	780	300
W	354	1,136	2,516	3,219	3,437	2,313	1,412	852	741	753	837	305
All	234	899	1,697	2,093	2,310	1,612	903	574	643	702	785	292
55 w/WSAs												
C	160	741	1,198	1,191	1,120	883	311	292	466	531	604	221
D	174	865	1,444	1,223	1,398	1,211	589	411	605	714	816	338
BN	195	843	1,275	1,735	2,118	1,420	932	533	661	729	829	319
AN	211	889	1,599	2,722	3,106	1,884	1,014	680	678	736	834	347
W	346	1,130	2,511	3,213	3,432	2,313	1,390	847	747	748	837	310
All	233	924	1,714	2,101	2,314	1,614	904	580	645	700	793	308
55 w/WSAs + 2025 ROD/ITP												
C	151	751	1,206	1,197	1,126	883	314	294	471	539	625	224
D	180	865	1,445	1,224	1,400	1,210	589	413	611	713	816	339
BN	197	844	1,276	1,738	2,121	1,421	926	533	657	729	827	322
AN	212	892	1,601	2,724	3,106	1,887	1,014	680	678	736	835	347
W	350	1,128	2,512	3,214	3,432	2,313	1,392	847	746	748	837	304
All	234	926	1,716	2,103	2,317	1,614	904	581	646	701	796	308

H1a7.2.9 Cache Creek below Clear Lake (SWRCB Clear Lake)

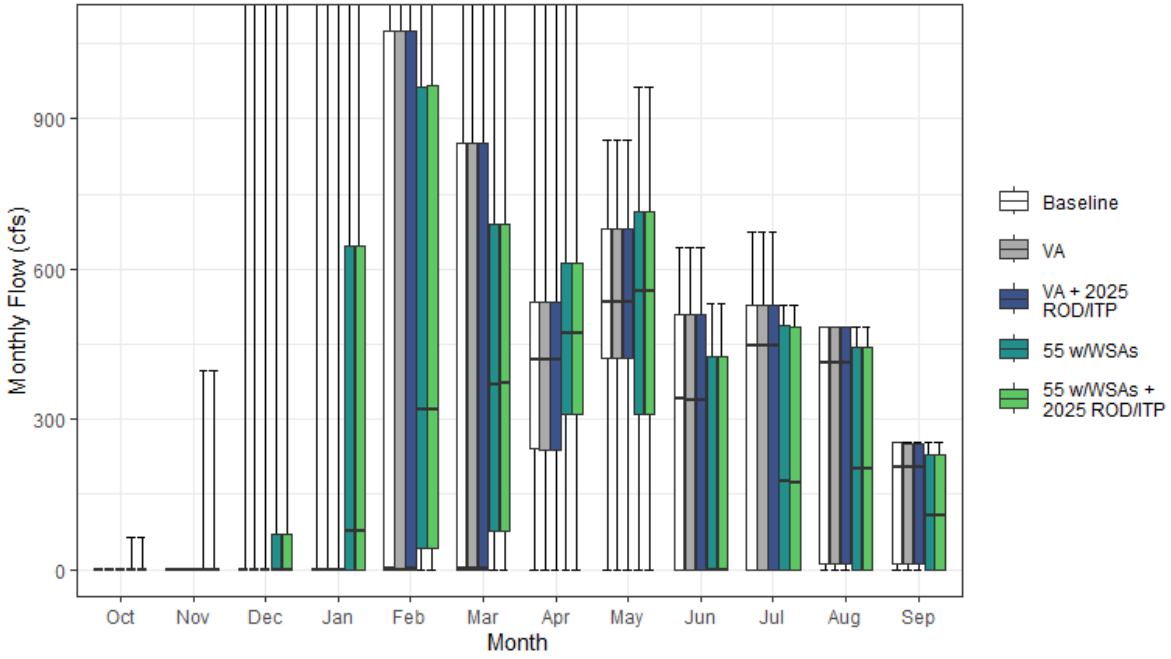

Figure H1a7-9. Cache Creek Streamflow below Clear Lake Monthly Boxplot (cfs)

Table H1a7-17. Cumulative Distribution of Monthly Flow (cfs) — Cache Creek below Clear Lake (SWRCB Clear Lake)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	0	0	0	0	0	0	83	132	0	0	0	0	17
25%	0	0	0	0	0	0	240	423	0	0	11	11	61
50%	0	0	0	0	1	1	418	534	340	448	413	206	165
75%	0	0	0	1	1,075	851	536	681	510	529	485	253	368
90%	1	0	1	1,644	3,365	2,150	1,288	795	510	529	485	253	563
100%	1	1	3,076	5,209	7,686	6,042	3,128	858	642	674	485	253	970
Mean	0	0	55	432	806	641	537	515	267	309	290	150	240
VA													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	0	0	0	0	0	0	82	132	0	0	0	0	17
25%	0	0	0	0	0	0	240	423	0	0	11	11	61
50%	0	0	0	0	1	1	418	534	340	448	413	205	165
75%	0	0	0	1	1,075	852	536	681	510	529	485	253	368
90%	1	1	1	1,644	3,365	2,150	1,288	795	510	529	485	253	563
100%	1	1	3,076	5,209	7,686	6,042	3,128	858	642	674	485	254	970
Mean	0	0	55	432	806	641	537	515	267	309	290	150	240
VA + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	0	0	0	0	0	0	82	132	0	0	0	0	17
25%	0	0	0	0	0	0	240	423	0	0	12	11	61
50%	0	0	0	0	1	1	418	534	339	448	412	206	165
75%	0	0	0	1	1,075	851	536	681	510	529	485	253	368
90%	1	1	1	1,644	3,365	2,150	1,288	795	510	529	485	253	563
100%	1	1	3,076	5,209	7,686	6,042	3,128	857	642	674	485	254	970
Mean	0	0	55	432	806	641	537	515	267	309	290	150	240
55 w/WSAs													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	0	0	0	0	0	1	104	103	0	0	0	0	17
25%	0	0	0	0	42	78	310	310	0	0	0	0	66
50%	0	0	0	77	321	370	472	555	0	175	202	109	149
75%	0	0	70	647	965	689	613	715	426	487	445	229	365
90%	1	1	387	1,331	2,640	2,059	1,138	849	510	529	485	253	572
100%	64	396	2,358	5,209	7,331	6,042	3,128	963	531	530	485	253	999
Mean	1	8	131	499	828	698	586	517	190	231	219	117	241
55 w/WSAs + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	0	0	0	0	0	1	104	103	0	0	0	0	17
25%	0	0	0	0	42	78	310	310	0	0	0	0	66
50%	0	0	0	77	321	371	472	555	0	175	202	109	149
75%	0	1	70	647	966	689	613	715	426	486	445	229	365
90%	1	1	387	1,330	2,640	2,059	1,138	849	510	529	485	253	572
100%	64	396	2,358	5,209	7,331	6,042	3,128	963	531	529	485	253	999
Mean	1	8	131	499	828	698	586	517	190	231	219	117	241

Table H1a7-18. Water Year Average of Monthly Flows (cfs) — Cache Creek below Clear Lake (SWRCB Clear Lake)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	0	0	0	0	1	0	146	216	1	17	16	8
D	0	0	0	0	0	6	386	523	74	117	139	77
BN	0	0	11	58	276	121	360	595	228	309	291	153
AN	0	0	0	71	912	701	596	537	453	496	455	237
W	0	0	173	1,359	2,119	1,754	944	607	502	530	479	241
All	0	0	55	432	806	641	537	515	267	309	290	150
VA												
C	0	0	0	0	0	0	147	217	1	17	16	8
D	0	0	0	0	0	6	385	523	74	117	139	77
BN	0	0	10	57	276	121	360	595	228	309	291	153
AN	0	0	0	72	912	701	596	537	453	496	455	237
W	0	0	173	1,359	2,119	1,753	944	607	502	530	479	241
All	0	0	55	432	806	641	537	515	267	309	290	150
VA + 2025 ROD/ITP												
C	0	0	0	0	0	0	147	216	1	17	16	8
D	0	0	0	0	0	6	385	523	74	117	139	77
BN	0	0	10	57	276	121	360	595	228	309	291	153
AN	0	0	0	71	912	701	596	537	453	495	455	237
W	0	0	173	1,359	2,119	1,753	944	607	502	530	479	241
All	0	0	55	432	806	641	537	515	267	309	290	150
55 w/WSAs												
C	0	0	0	48	65	36	132	172	0	0	0	0
D	0	1	21	40	162	229	392	465	25	47	53	34
BN	0	0	52	178	440	283	487	526	76	142	150	88
AN	0	1	62	339	939	670	678	604	266	361	342	182
W	3	25	359	1,343	1,926	1,668	996	700	455	494	452	232
All	1	8	131	499	828	698	586	517	190	231	219	117
55 w/WSAs + 2025 ROD/ITP												
C	0	0	0	48	65	36	132	172	0	0	0	0
D	0	1	21	40	162	229	393	465	25	47	53	33
BN	0	0	52	178	440	283	487	526	76	142	150	88
AN	0	1	62	339	939	669	678	604	266	361	342	182
W	3	25	359	1,343	1,926	1,668	996	700	455	494	452	232
All	1	8	131	499	828	698	586	517	190	231	219	117

H1a7.2.10 Cache Creek above Yolo Bypass (SWRCB Cache Creek)

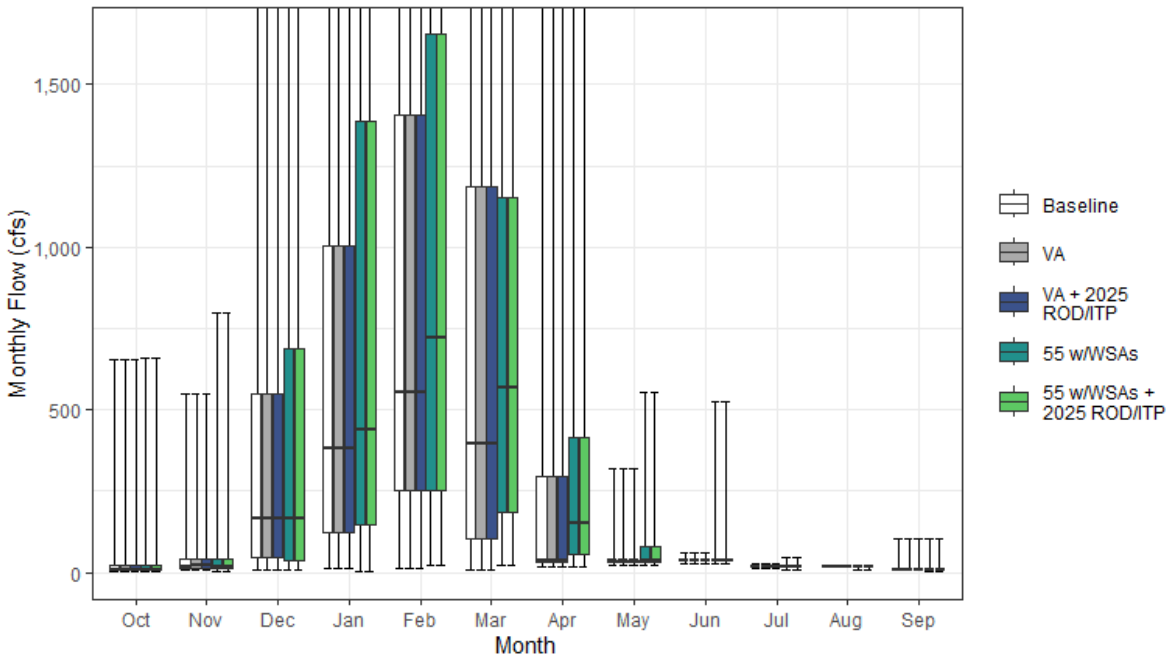

Figure H1a7-10. Cache Creek Streamflow above Yolo Bypass Monthly Boxplot (cfs)

Table H1a7-19. Cumulative Distribution of Monthly Flow (cfs) — Cache Creek above Yolo Bypass (SWRCB Cache Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3	8	9	11	12	10	20	24	27	15	16	7	16
10%	5	10	18	42	45	39	23	28	30	16	17	9	39
25%	6	12	46	123	251	105	31	33	36	17	18	9	65
50%	10	20	165	380	554	395	36	35	37	18	19	9	123
75%	23	40	550	1,004	1,404	1,184	293	37	39	19	19	10	366
90%	35	123	896	2,445	4,344	2,510	1,385	51	40	19	20	11	630
100%	656	548	4,635	6,823	11,644	8,616	3,815	320	60	26	23	103	1,247
Mean	26	47	381	947	1,389	946	367	47	37	18	18	11	252
VA													
0%	4	8	9	11	12	10	20	24	27	15	16	7	16
10%	5	10	18	42	45	38	23	28	30	16	17	9	39
25%	6	12	46	123	250	106	30	33	36	17	18	9	65
50%	10	20	165	380	554	395	36	35	37	18	18	9	123
75%	23	40	550	1,005	1,404	1,184	293	37	39	19	19	10	366
90%	35	123	896	2,446	4,345	2,510	1,385	51	40	19	20	11	630
100%	656	549	4,636	6,823	11,644	8,616	3,815	320	60	26	23	103	1,247
Mean	26	47	381	947	1,389	946	367	47	37	18	18	11	252
VA + 2025 ROD/ITP													
0%	3	8	9	11	12	10	20	24	27	15	16	6	16
10%	5	10	18	42	46	38	23	28	30	16	17	9	39
25%	6	12	46	123	250	106	30	33	36	17	18	9	65
50%	10	20	165	380	554	395	36	35	37	18	19	9	124
75%	23	40	550	1,004	1,405	1,184	293	37	39	19	19	10	366
90%	35	123	896	2,446	4,344	2,510	1,385	51	40	19	20	11	630
100%	656	549	4,636	6,824	11,644	8,616	3,815	320	60	26	23	103	1,247
Mean	26	47	381	947	1,389	946	367	47	37	18	18	11	252
55 w/WSAs													
0%	2	4	7	5	23	21	19	23	26	10	9	3	17
10%	4	7	18	53	66	64	31	29	29	15	13	7	47
25%	6	11	39	147	253	186	56	34	35	17	16	8	91
50%	9	19	168	440	722	567	152	38	37	18	18	9	167
75%	24	39	689	1,385	1,654	1,153	416	78	39	19	19	9	385
90%	35	118	1,258	2,513	3,868	2,417	1,138	217	57	26	20	10	622
100%	661	799	4,080	6,677	10,446	8,616	3,815	552	526	46	21	103	1,288
Mean	27	48	452	1,014	1,368	957	417	87	47	19	17	11	266
55 w/WSAs + 2025 ROD/ITP													
0%	2	4	7	5	23	21	19	23	25	10	9	3	17
10%	4	7	18	53	66	65	31	29	29	15	13	7	47
25%	6	11	39	148	253	186	56	34	35	17	16	8	91
50%	9	19	168	440	722	567	152	38	37	18	18	9	167
75%	24	39	689	1,385	1,654	1,153	416	78	39	19	19	9	385
90%	35	118	1,257	2,513	3,868	2,417	1,138	216	57	26	20	10	622
100%	661	799	4,080	6,677	10,447	8,616	3,815	552	526	46	21	103	1,288
Mean	27	48	452	1,014	1,368	957	417	87	47	19	17	11	266

Table H1a7-20. Water Year Average of Monthly Flows (cfs) — Cache Creek above Yolo Bypass (SWRCB Cache Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	13	13	151	217	242	130	26	30	29	18	19	9
D	10	32	248	187	335	194	98	39	38	18	18	12
BN	28	23	185	407	737	377	103	36	38	18	18	14
AN	26	57	350	920	1,718	1,003	300	57	38	17	19	10
W	44	89	738	2,246	3,056	2,270	939	64	38	18	19	9
All	26	47	381	947	1,389	946	367	47	37	18	18	11
VA												
C	13	13	151	217	242	130	26	30	29	18	19	9
D	10	32	248	187	335	194	98	39	38	18	18	12
BN	28	23	185	407	738	377	103	36	38	18	18	14
AN	26	57	350	920	1,717	1,003	300	57	38	17	19	9
W	44	89	738	2,246	3,056	2,270	939	64	38	18	19	9
All	26	47	381	947	1,389	946	367	47	37	18	18	11
VA + 2025 ROD/ITP												
C	13	13	151	217	242	130	26	30	29	18	19	9
D	10	32	248	187	335	194	98	39	38	18	18	12
BN	28	23	185	407	738	377	103	36	38	18	18	14
AN	26	57	350	920	1,718	1,003	300	57	38	17	19	9
W	44	89	738	2,246	3,056	2,270	939	64	38	18	19	9
All	26	47	381	947	1,389	946	367	47	37	18	18	11
55 w/WSAs												
C	12	12	146	250	288	156	33	31	29	17	17	9
D	10	30	258	214	457	376	124	51	37	17	15	11
BN	28	21	223	498	861	498	242	49	64	17	15	13
AN	24	53	390	1,180	1,698	964	363	116	43	22	19	9
W	47	96	927	2,269	2,801	2,096	968	156	54	21	18	10
All	27	48	452	1,014	1,368	957	417	87	47	19	17	11
55 w/WSAs + 2025 ROD/ITP												
C	12	12	146	250	288	156	33	31	29	17	17	9
D	10	30	258	214	457	376	124	51	37	17	15	11
BN	28	21	223	498	861	499	242	49	64	17	15	13
AN	24	53	389	1,180	1,698	964	363	116	43	22	19	9
W	48	96	927	2,268	2,802	2,096	968	156	54	21	18	10
All	27	48	452	1,014	1,368	957	417	87	47	19	17	11

H1a7.2.11 Calaveras River below New Hogan Reservoir (SWRCB New Hogan)

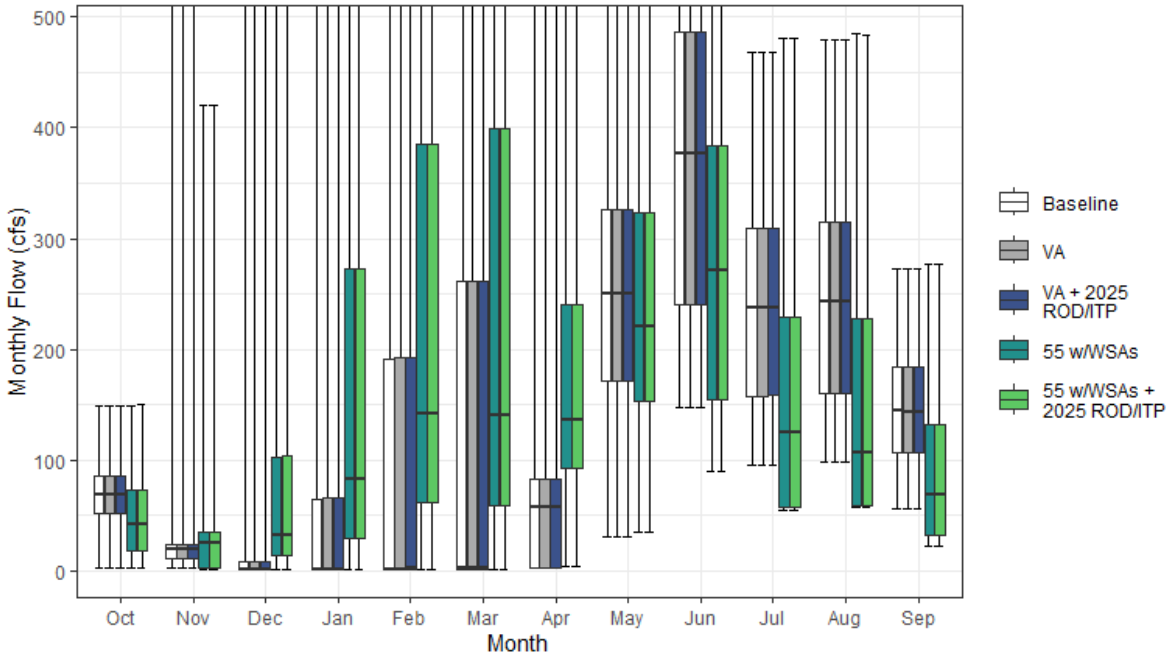

Figure H1a7-11. Calaveras River Streamflow below New Hogan Reservoir Monthly Boxplot (cfs)

Table H1a7-21. Cumulative Distribution of Monthly Flow (cfs) — Calaveras River below New Hogan Reservoir (SWRCB New Hogan)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3	2	1	1	1	2	2	30	147	95	98	56	36
10%	35	2	1	1	1	2	2	121	175	115	116	78	48
25%	51	11	1	1	1	2	3	171	240	158	160	107	63
50%	68	19	2	1	2	2	58	250	377	237	243	144	94
75%	85	24	8	65	191	262	83	326	486	309	315	184	207
90%	113	31	141	787	1,267	1,116	104	384	561	362	361	234	294
100%	149	861	1,411	3,005	3,679	2,697	1,370	542	749	467	479	273	539
Mean	71	36	83	209	327	278	85	250	379	242	245	149	142
VA													
0%	3	2	1	1	1	2	2	30	147	95	98	56	36
10%	36	2	1	1	1	2	2	121	175	115	116	78	48
25%	51	11	1	1	1	2	3	171	240	158	160	107	63
50%	68	19	1	1	2	2	58	250	377	237	243	144	94
75%	86	24	8	65	192	262	83	326	486	309	315	184	207
90%	113	31	141	787	1,266	1,116	104	384	560	362	361	234	294
100%	149	862	1,413	3,005	3,679	2,697	1,370	542	749	468	479	273	539
Mean	71	36	83	209	327	278	85	251	379	242	245	149	142
VA + 2025 ROD/ITP													
0%	3	2	1	1	1	2	2	30	147	95	98	56	36
10%	36	2	1	1	1	2	2	121	175	115	116	78	48
25%	51	11	1	1	1	2	3	171	240	158	160	107	63
50%	68	19	1	1	2	2	58	250	377	237	243	143	94
75%	85	24	8	65	192	261	83	326	486	309	315	184	207
90%	113	31	141	786	1,266	1,116	104	384	560	362	361	233	294
100%	149	862	1,413	3,005	3,679	2,697	1,370	542	749	468	479	273	539
Mean	71	36	83	209	327	278	85	251	379	242	245	149	142
55 w/WSAs													
0%	2	1	1	1	1	1	4	35	89	54	57	22	21
10%	14	2	5	14	21	29	69	89	91	57	58	32	36
25%	17	3	14	29	61	59	93	152	154	57	59	32	55
50%	41	24	32	82	141	141	135	221	271	125	107	69	92
75%	73	34	103	273	385	399	240	324	384	229	227	132	208
90%	89	52	279	681	1,101	1,004	393	386	506	312	295	172	304
100%	149	420	1,348	3,005	3,679	2,697	1,505	636	798	480	485	277	547
Mean	47	31	126	275	392	344	211	244	288	163	154	88	142
55 w/WSAs + 2025 ROD/ITP													
0%	2	1	1	1	1	1	4	35	89	54	57	22	21
10%	14	2	5	14	21	29	69	90	91	57	58	32	36
25%	17	3	14	29	61	59	93	152	154	57	59	32	55
50%	41	24	32	82	141	141	135	221	271	125	107	68	92
75%	73	34	103	273	385	399	240	324	384	229	227	132	209
90%	89	52	280	681	1,101	1,005	393	386	506	312	295	171	304
100%	150	420	1,348	3,005	3,679	2,697	1,505	636	798	480	484	277	547
Mean	46	31	126	275	392	344	211	244	288	163	154	88	142

Table H1a7-22. Water Year Average of Monthly Flows (cfs) — Calaveras River below New Hogan Reservoir (SWRCB New Hogan)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	61	19	7	2	2	7	62	134	184	121	122	84
D	71	20	13	1	9	15	71	209	285	183	186	117
BN	76	17	33	28	171	102	42	264	376	238	243	143
AN	71	16	87	157	383	253	40	307	443	279	285	167
W	74	77	206	606	811	736	152	312	528	337	337	204
All	71	36	83	209	327	278	85	250	379	242	245	149
VA												
C	61	19	7	2	2	7	62	134	183	121	122	84
D	71	20	13	1	8	15	71	209	285	184	187	117
BN	76	17	33	28	171	102	41	264	376	238	243	143
AN	71	16	87	157	383	253	40	307	443	279	285	166
W	74	77	206	606	810	736	152	312	528	337	337	204
All	71	36	83	209	327	278	85	251	379	242	245	149
VA + 2025 ROD/ITP												
C	61	19	7	2	2	7	62	134	184	121	122	84
D	71	20	13	1	9	15	71	209	285	183	186	117
BN	76	17	33	28	171	102	41	264	376	238	243	143
AN	71	16	87	157	383	253	40	307	443	279	285	166
W	74	77	206	606	811	736	152	312	528	337	337	204
All	71	36	83	209	327	278	85	251	379	242	245	149
55 w/WSAs												
C	27	8	15	32	63	32	62	102	97	57	58	32
D	47	22	40	57	134	114	128	235	269	94	60	32
BN	53	24	67	117	303	211	151	183	223	141	134	78
AN	38	46	139	286	451	354	181	267	323	201	198	116
W	56	48	279	662	791	759	401	355	431	269	267	155
All	47	31	126	275	392	344	211	244	288	163	154	88
55 w/WSAs + 2025 ROD/ITP												
C	27	8	15	32	63	32	62	102	97	57	58	32
D	47	22	40	57	134	114	128	235	269	94	60	32
BN	53	24	67	117	303	211	151	183	223	141	134	78
AN	38	46	139	286	451	354	181	267	323	201	198	116
W	56	48	279	662	791	759	401	355	431	269	267	155
All	46	31	126	275	392	344	211	244	288	163	154	88

H1a7.2.12 Calaveras River above Delta (SWRCB Calaveras River)

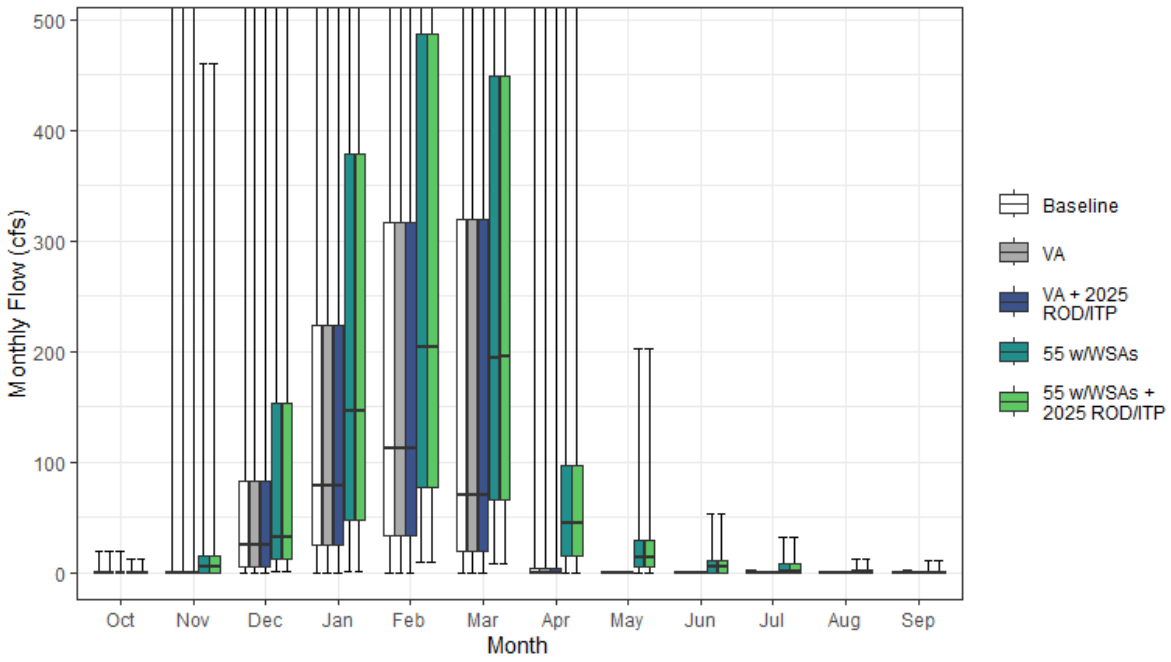

Figure H1a7-12. Calaveras River Streamflow above Delta Monthly Boxplot (cfs)

Table H1a7-23. Cumulative Distribution of Monthly Flow (cfs) — Calaveras River above Delta (SWRCB Calaveras River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	0	0	0	0	0	0	0	0	0	0	0	1
10%	0	0	0	12	9	0	0	0	0	0	0	0	6
25%	0	0	6	25	33	19	0	0	0	0	0	0	12
50%	0	0	24	78	112	70	0	0	0	0	0	0	22
75%	0	0	83	223	317	320	4	0	0	0	0	0	121
90%	0	14	236	862	1,303	1,185	35	0	0	0	0	0	191
100%	19	653	1,371	2,882	3,533	2,620	884	0	0	1	1	0	416
Mean	0	21	117	284	400	314	31	0	0	0	0	0	70
VA													
0%	0	0	0	0	0	0	0	0	0	0	0	0	1
10%	0	0	0	12	9	0	0	0	0	0	0	0	6
25%	0	0	6	25	33	19	0	0	0	0	0	0	12
50%	0	0	24	78	112	71	0	0	0	0	0	0	22
75%	0	0	83	223	316	320	4	0	0	0	0	0	121
90%	0	14	236	862	1,303	1,185	36	0	0	0	0	0	191
100%	19	654	1,372	2,882	3,533	2,620	884	0	0	1	1	1	416
Mean	0	21	117	284	400	314	31	0	0	0	0	0	70
VA + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	0	0	1
10%	0	0	0	12	9	0	0	0	0	0	0	0	6
25%	0	0	6	25	33	19	0	0	0	0	0	0	12
50%	0	0	24	78	112	70	0	0	0	0	0	0	22
75%	0	0	83	223	316	320	4	0	0	0	0	0	121
90%	0	14	236	862	1,302	1,185	35	0	0	0	0	0	191
100%	19	653	1,372	2,882	3,533	2,620	884	0	0	1	1	0	416
Mean	0	21	117	285	400	314	31	0	0	0	0	0	70
55 w/WSAs													
0%	0	0	1	1	9	7	0	0	0	0	0	0	2
10%	0	0	6	27	31	26	9	0	0	0	0	0	13
25%	0	0	12	47	77	65	14	5	0	0	0	0	25
50%	0	5	32	146	203	195	44	14	5	0	0	0	49
75%	0	15	153	379	487	449	97	29	11	8	2	0	128
90%	0	35	352	893	1,168	1,040	221	56	15	14	6	0	204
100%	12	460	1,269	2,876	3,528	2,620	949	202	53	33	13	11	437
Mean	0	21	145	335	450	366	94	24	7	5	2	1	86
55 w/WSAs + 2025 ROD/ITP													
0%	0	0	1	1	9	7	0	0	0	0	0	0	2
10%	0	0	6	27	31	26	9	0	0	0	0	0	13
25%	0	0	12	47	77	66	14	5	0	0	0	0	25
50%	0	5	32	146	203	195	44	14	5	0	0	0	49
75%	0	15	153	379	487	449	97	29	11	8	2	0	128
90%	0	35	352	893	1,169	1,041	221	56	15	14	6	1	204
100%	12	460	1,269	2,876	3,528	2,620	949	202	53	33	13	11	437
Mean	0	21	145	335	450	366	94	24	7	5	2	1	86

Table H1a7-24. Water Year Average of Monthly Flows (cfs) — Calaveras River above Delta (SWRCB Calaveras River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	1	1	22	41	58	27	0	0	0	0	0	0
D	0	2	42	50	81	62	1	0	0	0	0	0
BN	0	2	63	106	278	160	9	0	0	0	0	0
AN	0	14	125	302	476	324	7	0	0	0	0	0
W	0	62	255	693	864	745	93	0	0	0	0	0
All	0	21	117	284	400	314	31	0	0	0	0	0
VA												
C	1	1	22	41	58	27	0	0	0	0	0	0
D	0	2	42	50	81	62	1	0	0	0	0	0
BN	0	2	63	106	277	160	9	0	0	0	0	0
AN	0	14	125	302	476	324	7	0	0	0	0	0
W	0	62	255	693	863	745	93	0	0	0	0	0
All	0	21	117	284	400	314	31	0	0	0	0	0
VA + 2025 ROD/ITP												
C	1	1	22	41	58	27	0	0	0	0	0	0
D	0	2	42	50	81	62	1	0	0	0	0	0
BN	0	2	63	106	278	160	9	0	0	0	0	0
AN	0	14	125	302	476	324	7	0	0	0	0	0
W	0	62	255	693	864	745	93	0	0	0	0	0
All	0	21	117	285	400	314	31	0	0	0	0	0
55 w/WSAs												
C	1	2	29	63	105	49	8	1	0	0	0	0
D	0	8	57	91	180	140	26	7	1	0	0	0
BN	0	10	86	174	381	245	64	14	5	3	0	0
AN	0	42	160	401	529	403	80	26	8	5	3	0
W	1	39	304	734	845	761	214	53	16	11	5	2
All	0	21	145	335	450	366	94	24	7	5	2	1
55 w/WSAs + 2025 ROD/ITP												
C	1	2	29	63	105	49	8	1	0	0	0	0
D	0	8	57	91	180	140	26	7	1	0	0	0
BN	0	10	86	174	381	245	64	14	5	3	0	0
AN	0	42	160	401	529	403	80	26	8	5	3	0
W	1	39	304	734	845	762	214	53	16	11	5	2
All	0	21	145	335	450	366	94	24	7	5	2	1

H1a7.2.13 Clear Creek above Confluence with Sacramento River (SWRCB Clear Creek)

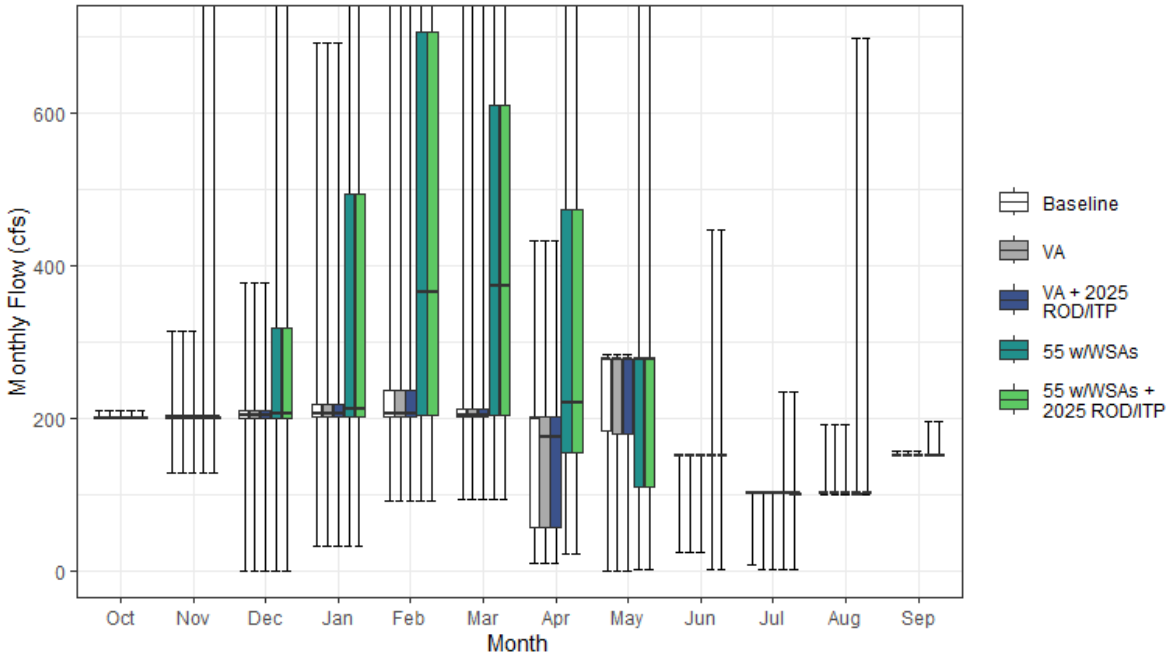

Figure H1a7-13. Clear Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-25. Cumulative Distribution of Monthly Flow (cfs) — Clear Creek above Confluence with Sacramento River (SWRCB Clear Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	200	129	0	32	92	93	9	0	24	7	100	150	86
10%	200	197	97	200	200	200	30	20	77	100	100	150	101
25%	200	200	200	202	201	201	57	183	150	101	101	150	116
50%	201	201	204	206	206	203	200	278	151	101	101	151	128
75%	202	202	210	219	236	212	202	278	151	101	101	151	142
90%	203	204	227	305	386	314	217	278	151	101	101	151	152
100%	210	314	378	693	1,572	1,341	432	284	152	102	191	156	232
Mean	201	199	192	228	262	238	143	219	136	98	102	151	131
VA													
0%	200	129	0	32	92	93	9	0	24	1	100	150	86
10%	200	197	96	200	200	200	30	20	77	100	100	150	101
25%	200	200	200	202	201	201	57	179	150	101	101	150	116
50%	201	201	204	207	206	203	175	278	151	101	101	151	128
75%	202	202	210	219	236	213	202	278	151	101	101	151	142
90%	203	204	227	305	386	314	217	278	151	101	101	151	151
100%	210	314	378	693	1,572	1,341	432	284	152	102	191	156	232
Mean	201	199	192	228	262	238	142	217	136	97	102	151	130
VA + 2025 ROD/ITP													
0%	200	129	0	32	92	93	9	0	24	1	100	150	86
10%	200	197	96	200	200	200	30	20	77	100	100	150	101
25%	200	200	200	202	201	201	57	179	150	101	101	150	116
50%	201	201	204	207	207	203	175	278	151	101	101	151	128
75%	202	202	210	219	236	213	202	278	151	101	101	151	142
90%	203	204	227	305	386	314	217	278	151	101	101	151	151
100%	210	314	378	693	1,572	1,341	432	284	152	102	191	156	232
Mean	201	199	192	228	262	238	142	217	136	97	102	151	130
55 w/WSAs													
0%	200	129	0	32	92	93	21	0	1	1	100	150	87
10%	200	197	96	200	200	201	69	44	67	100	100	150	109
25%	200	200	200	202	203	204	154	109	150	101	100	150	133
50%	201	201	206	213	366	374	220	278	150	101	101	151	171
75%	202	203	319	495	706	610	473	279	152	101	101	151	236
90%	203	295	664	1,021	1,020	938	724	360	190	101	101	152	296
100%	209	931	1,310	1,834	2,601	3,080	1,562	788	446	234	697	196	576
Mean	201	227	302	430	537	495	349	232	147	102	110	151	197
55 w/WSAs + 2025 ROD/ITP													
0%	200	129	0	32	92	93	21	0	1	1	100	150	87
10%	200	197	96	200	200	201	69	44	67	100	100	150	109
25%	200	200	200	203	203	204	154	109	150	100	101	150	133
50%	201	201	206	213	366	374	220	278	151	101	101	151	171
75%	202	203	319	495	706	610	473	279	152	101	101	151	236
90%	203	295	664	1,021	1,020	938	724	360	190	101	101	151	296
100%	209	931	1,310	1,834	2,601	3,080	1,562	788	446	234	697	196	576
Mean	201	227	302	430	537	495	349	232	147	102	110	151	197

Table H1a7-26. Water Year Average of Monthly Flows (cfs) — Clear Creek above Confluence with Sacramento River (SWRCB Clear Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	201	194	160	186	191	195	68	162	128	101	101	151
D	201	198	172	202	216	212	94	195	143	101	101	151
BN	201	192	161	200	217	210	132	194	129	95	101	151
AN	202	201	213	248	277	235	192	272	142	101	101	151
W	202	206	236	279	356	299	208	261	139	95	104	151
All	201	199	192	228	262	238	143	219	136	98	102	151
VA												
C	201	194	157	179	191	195	64	153	128	101	101	151
D	201	198	172	202	216	212	94	195	143	101	101	151
BN	201	192	161	205	221	210	132	194	129	95	101	151
AN	202	201	213	248	277	235	192	272	142	101	101	151
W	202	206	236	279	356	299	207	259	139	91	104	151
All	201	199	192	228	262	238	142	217	136	97	102	151
VA + 2025 ROD/ITP												
C	201	194	157	179	191	195	64	153	128	101	101	151
D	201	198	172	202	216	212	94	195	143	101	101	151
BN	201	192	161	205	221	210	132	194	129	95	101	151
AN	202	201	213	248	277	235	192	272	142	101	101	151
W	202	206	236	279	356	299	207	259	139	91	104	151
All	201	199	192	228	262	238	142	217	136	97	102	151
55 w/WSAs												
C	201	194	179	187	239	216	99	152	112	101	100	151
D	201	216	198	235	324	355	182	167	143	101	101	151
BN	201	211	198	318	405	338	269	169	128	99	101	151
AN	201	226	290	523	710	598	396	314	170	101	109	151
W	202	263	514	736	866	805	638	330	171	106	127	152
All	201	227	302	430	537	495	349	232	147	102	110	151
55 w/WSAs + 2025 ROD/ITP												
C	201	194	179	187	239	216	99	152	112	100	100	151
D	201	216	198	235	324	355	182	167	143	101	101	151
BN	201	211	198	318	405	338	269	169	128	99	101	151
AN	201	226	290	523	710	598	396	314	170	101	109	151
W	202	263	514	736	866	805	638	330	171	106	127	152
All	201	227	302	430	537	495	349	232	147	102	110	151

H1a7.2.14 Cosumnes River above Confluence with Delta (SWRCB Cosumnes River)

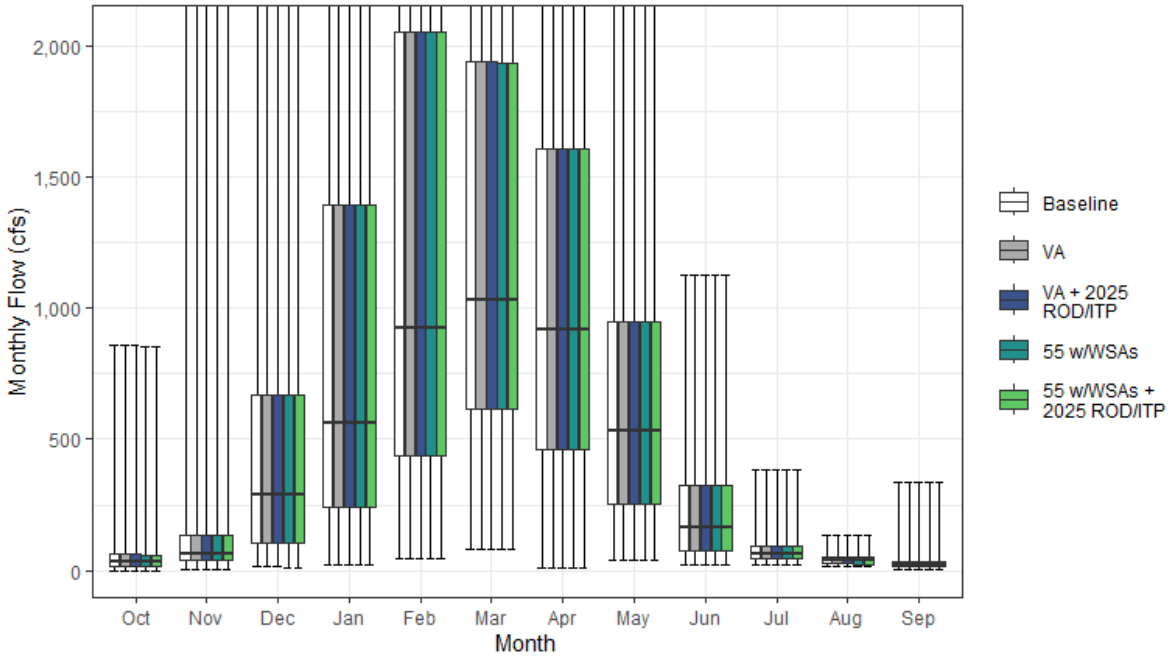

Figure H1a7-14. Cosumnes River Streamflow above Confluence with Delta Monthly Boxplot (cfs)

Table H1a7-27. Cumulative Distribution of Monthly Flow (cfs) — Cosumnes River above Confluence with Delta (SWRCB Cosumnes River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	1	3	13	22	48	79	10	39	21	24	18	5	23
10%	11	23	59	136	210	337	241	96	51	31	22	14	121
25%	19	38	103	242	438	618	463	252	77	44	26	18	188
50%	33	65	291	565	923	1,029	921	535	165	62	38	24	366
75%	62	135	671	1,392	2,052	1,937	1,609	946	325	91	50	35	617
90%	134	325	1,888	3,219	3,749	3,057	2,212	1,426	582	141	64	48	874
100%	862	2,874	4,651	8,844	9,471	6,484	5,808	2,404	1,126	386	136	337	1,531
Mean	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32	437
VA													
0%	1	3	13	22	48	79	10	39	21	24	18	5	23
10%	11	23	59	136	210	337	241	96	51	31	22	14	121
25%	19	38	103	242	438	618	463	252	77	44	26	17	188
50%	33	65	291	565	923	1,029	921	535	165	62	38	24	366
75%	62	135	671	1,392	2,052	1,937	1,609	946	325	91	50	35	617
90%	134	325	1,888	3,219	3,749	3,057	2,212	1,426	582	141	64	48	873
100%	862	2,870	4,651	8,844	9,471	6,484	5,808	2,404	1,126	386	136	337	1,531
Mean	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32	437
VA + 2025 ROD/ITP													
0%	1	3	13	22	48	79	10	39	21	24	18	5	23
10%	11	23	59	136	210	337	241	96	51	31	22	14	121
25%	18	38	103	242	438	618	463	252	77	44	26	17	188
50%	33	65	291	565	923	1,029	921	535	165	62	38	24	366
75%	62	135	671	1,392	2,052	1,937	1,609	946	325	91	50	35	617
90%	134	325	1,888	3,219	3,749	3,057	2,212	1,426	582	141	64	48	873
100%	862	2,870	4,651	8,844	9,471	6,484	5,808	2,404	1,126	386	136	337	1,531
Mean	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32	437
55 w/WSAs													
0%	1	5	13	21	46	80	10	39	21	24	15	5	22
10%	10	24	59	136	210	337	241	96	51	31	22	14	121
25%	17	37	103	242	438	618	463	252	77	44	25	16	188
50%	34	65	291	565	923	1,028	921	535	165	62	38	24	365
75%	60	135	671	1,392	2,051	1,936	1,609	946	325	91	50	35	616
90%	134	324	1,887	3,219	3,749	3,058	2,212	1,426	582	141	64	48	873
100%	854	2,866	4,651	8,844	9,471	6,484	5,808	2,404	1,126	386	136	337	1,531
Mean	60	167	668	1,197	1,519	1,457	1,152	674	249	81	41	32	437
55 w/WSAs + 2025 ROD/ITP													
0%	1	5	13	21	46	80	10	39	21	24	15	5	22
10%	10	22	59	136	210	337	241	96	51	31	22	14	121
25%	17	38	103	242	438	618	463	252	77	44	25	17	188
50%	35	65	291	565	923	1,028	921	535	165	62	38	24	365
75%	60	135	671	1,392	2,051	1,936	1,609	946	325	91	50	35	616
90%	134	324	1,887	3,219	3,749	3,058	2,212	1,426	582	141	64	48	873
100%	854	2,866	4,651	8,844	9,471	6,484	5,808	2,404	1,126	386	136	337	1,531
Mean	60	167	668	1,197	1,519	1,457	1,152	674	249	81	41	32	437

Table H1a7-28. Water Year Average of Monthly Flows (cfs) — Cosumnes River above Confluence with Delta (SWRCB Cosumnes River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	44	38	170	232	415	386	235	157	73	36	25	15
D	42	91	312	345	704	826	645	368	105	45	30	38
BN	41	104	412	648	1,255	1,222	1,217	594	210	66	36	28
AN	56	318	597	1,745	1,921	1,906	1,165	747	235	79	41	28
W	95	273	1,388	2,467	2,713	2,461	1,966	1,196	479	142	60	41
All	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32
VA												
C	44	38	170	232	415	386	235	157	73	36	25	15
D	42	91	312	345	704	826	645	368	105	45	30	38
BN	41	104	412	648	1,255	1,222	1,217	594	210	66	36	28
AN	56	318	597	1,745	1,921	1,906	1,165	747	235	79	41	28
W	95	273	1,388	2,467	2,713	2,461	1,966	1,196	479	142	60	41
All	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32
VA + 2025 ROD/ITP												
C	44	38	170	232	415	386	235	157	73	36	25	15
D	42	91	312	345	704	826	645	368	105	45	30	38
BN	41	104	412	648	1,255	1,222	1,217	594	210	66	36	28
AN	56	318	597	1,745	1,921	1,906	1,165	747	235	79	41	28
W	95	273	1,388	2,467	2,713	2,461	1,966	1,196	479	142	60	41
All	60	168	669	1,197	1,519	1,457	1,152	674	249	81	41	32
55 w/WSAs												
C	43	38	168	230	414	387	235	156	73	36	24	15
D	42	91	311	344	703	825	644	368	105	44	30	37
BN	41	104	411	647	1,254	1,221	1,217	594	210	66	36	28
AN	56	317	595	1,744	1,921	1,906	1,165	746	235	79	41	28
W	95	272	1,388	2,466	2,713	2,461	1,966	1,196	479	142	60	41
All	60	167	668	1,197	1,519	1,457	1,152	674	249	81	41	32
55 w/WSAs + 2025 ROD/ITP												
C	43	39	168	230	414	387	235	156	73	36	24	15
D	42	91	311	344	703	825	644	368	105	44	30	37
BN	40	104	411	647	1,254	1,221	1,217	594	210	66	36	28
AN	56	317	595	1,744	1,921	1,906	1,165	746	235	79	41	28
W	95	273	1,388	2,466	2,713	2,461	1,966	1,196	479	142	60	41
All	60	167	668	1,197	1,519	1,457	1,152	674	249	81	41	32

H1a7.2.15 Cottonwood Creek above Confluence with Sacramento River (SWRCB Cottonwood Creek)

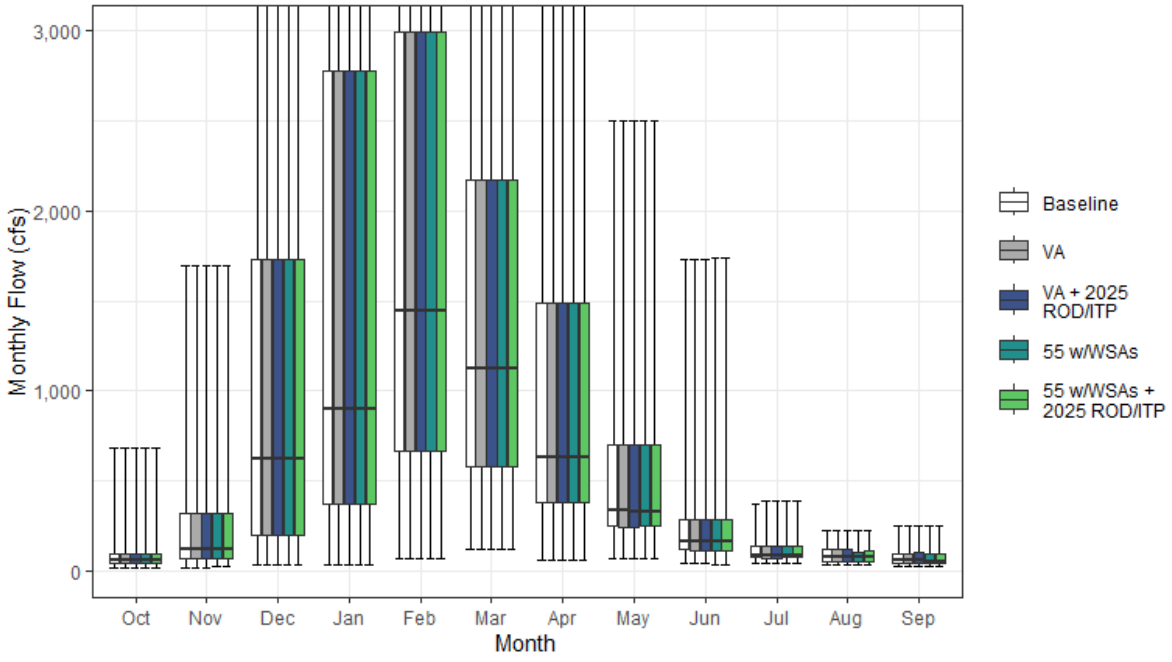

Figure H1a7-15. Cottonwood Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-29. Cumulative Distribution of Monthly Flow (cfs) — Cottonwood Creek above Confluence with Sacramento River (SWRCB Cottonwood Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	14	17	34	28	63	116	54	66	39	40	36	20	51
10%	27	47	79	197	265	296	202	151	80	53	46	32	146
25%	41	70	192	370	666	577	376	245	115	72	52	40	251
50%	58	122	617	899	1,444	1,123	628	337	162	87	75	54	423
75%	94	315	1,726	2,776	2,994	2,173	1,491	699	280	135	117	92	767
90%	150	647	3,161	4,389	5,082	3,571	2,081	976	410	184	135	110	1,062
100%	686	1,693	5,158	10,169	12,295	10,471	4,887	2,499	1,733	367	221	250	1,896
Mean	89	270	1,186	1,835	2,180	1,653	980	521	233	110	84	69	551
VA													
0%	13	17	34	28	63	116	54	66	39	40	36	19	51
10%	26	47	79	197	265	296	202	149	78	51	42	32	146
25%	40	70	192	370	666	577	381	243	114	70	49	38	250
50%	59	122	618	899	1,444	1,123	626	337	160	83	71	54	423
75%	94	315	1,726	2,776	2,994	2,173	1,491	698	280	134	116	92	768
90%	150	647	3,161	4,389	5,082	3,571	2,081	976	394	184	138	110	1,062
100%	686	1,693	5,158	10,169	12,295	10,471	4,887	2,499	1,733	391	221	248	1,896
Mean	88	270	1,186	1,835	2,180	1,653	979	520	231	109	83	68	551
VA + 2025 ROD/ITP													
0%	13	17	34	28	63	116	54	66	39	40	36	19	52
10%	26	47	79	197	265	296	202	149	78	51	43	32	146
25%	40	70	192	370	666	577	381	243	114	70	49	38	250
50%	59	122	618	899	1,444	1,123	626	326	160	83	71	54	423
75%	94	315	1,726	2,776	2,994	2,173	1,491	698	280	134	116	99	768
90%	150	647	3,161	4,389	5,082	3,571	2,081	976	394	184	138	113	1,062
100%	686	1,693	5,158	10,169	12,295	10,471	4,887	2,499	1,733	391	221	248	1,896
Mean	89	270	1,186	1,835	2,180	1,653	979	519	231	109	83	71	551
55 w/WSAs													
0%	15	20	34	28	63	116	54	64	32	41	33	20	50
10%	27	47	79	197	265	296	202	151	80	53	46	31	146
25%	41	70	192	370	666	577	378	245	114	72	52	39	251
50%	61	122	617	899	1,444	1,123	627	328	162	87	75	47	423
75%	88	315	1,726	2,776	2,994	2,173	1,491	699	280	135	104	93	767
90%	150	647	3,161	4,389	5,082	3,571	2,081	984	410	178	133	110	1,064
100%	686	1,693	5,158	10,169	12,295	10,471	4,887	2,500	1,738	391	221	250	1,896
Mean	88	270	1,186	1,835	2,180	1,653	979	520	232	110	83	69	551
55 w/WSAs + 2025 ROD/ITP													
0%	18	20	34	28	63	116	54	64	32	42	36	20	50
10%	27	47	79	197	265	296	202	151	80	53	46	31	146
25%	41	70	192	370	666	577	378	245	114	72	51	39	251
50%	61	122	617	899	1,444	1,123	627	328	162	87	75	47	423
75%	88	315	1,726	2,776	2,994	2,173	1,491	699	280	135	112	93	767
90%	150	647	3,161	4,389	5,082	3,571	2,081	984	410	178	133	111	1,064
100%	686	1,693	5,158	10,169	12,295	10,471	4,887	2,500	1,738	391	221	250	1,896
Mean	88	270	1,186	1,835	2,180	1,653	979	520	232	110	83	70	551

Table H1a7-30. Water Year Average of Monthly Flows (cfs) — Cottonwood Creek above Confluence with Sacramento River (SWRCB Cottonwood Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	66	74	441	507	748	537	256	177	100	58	54	39
D	63	241	697	625	1,213	1,008	473	272	133	72	55	57
BN	70	180	615	1,320	1,595	1,087	794	374	181	82	61	46
AN	113	287	1,232	2,589	2,954	2,127	1,110	811	305	141	99	91
W	122	445	2,285	3,455	3,713	2,890	1,804	864	383	171	130	100
All	89	270	1,186	1,835	2,180	1,653	980	521	233	110	84	69
VA												
C	63	74	441	507	748	540	255	178	98	60	52	42
D	62	241	697	625	1,213	1,008	471	270	130	69	52	54
BN	69	180	615	1,320	1,595	1,087	792	371	177	79	59	44
AN	112	287	1,232	2,589	2,954	2,127	1,108	808	300	137	97	89
W	123	445	2,285	3,455	3,713	2,890	1,805	864	383	173	131	100
All	88	270	1,186	1,835	2,180	1,653	979	520	231	109	83	68
VA + 2025 ROD/ITP												
C	63	74	441	507	748	540	255	178	98	60	52	42
D	63	241	697	625	1,213	1,008	470	270	130	69	52	54
BN	70	180	615	1,320	1,595	1,087	792	371	177	79	59	44
AN	114	287	1,232	2,589	2,954	2,127	1,108	808	300	137	97	95
W	123	445	2,285	3,455	3,713	2,890	1,805	862	383	173	131	105
All	89	270	1,186	1,835	2,180	1,653	979	519	231	109	83	71
55 w/WSAs												
C	66	74	441	507	748	540	256	175	93	59	53	39
D	62	241	697	625	1,213	1,008	471	272	132	72	55	57
BN	71	180	615	1,319	1,595	1,087	792	374	181	82	61	46
AN	112	287	1,232	2,589	2,954	2,127	1,108	812	305	141	98	91
W	121	445	2,285	3,455	3,713	2,890	1,804	864	383	171	126	101
All	88	270	1,186	1,835	2,180	1,653	979	520	232	110	83	69
55 w/WSAs + 2025 ROD/ITP												
C	66	74	441	507	748	539	256	175	94	58	53	39
D	62	242	697	625	1,213	1,008	471	272	133	72	55	57
BN	71	180	615	1,319	1,595	1,087	792	374	181	82	61	46
AN	112	287	1,232	2,589	2,954	2,127	1,108	812	305	141	98	91
W	121	445	2,285	3,455	3,713	2,890	1,804	864	382	171	127	102
All	88	270	1,186	1,835	2,180	1,653	979	520	232	110	83	70

H1a7.2.16 Cow Creek above Confluence with Sacramento River (SWRCB Cow Creek)

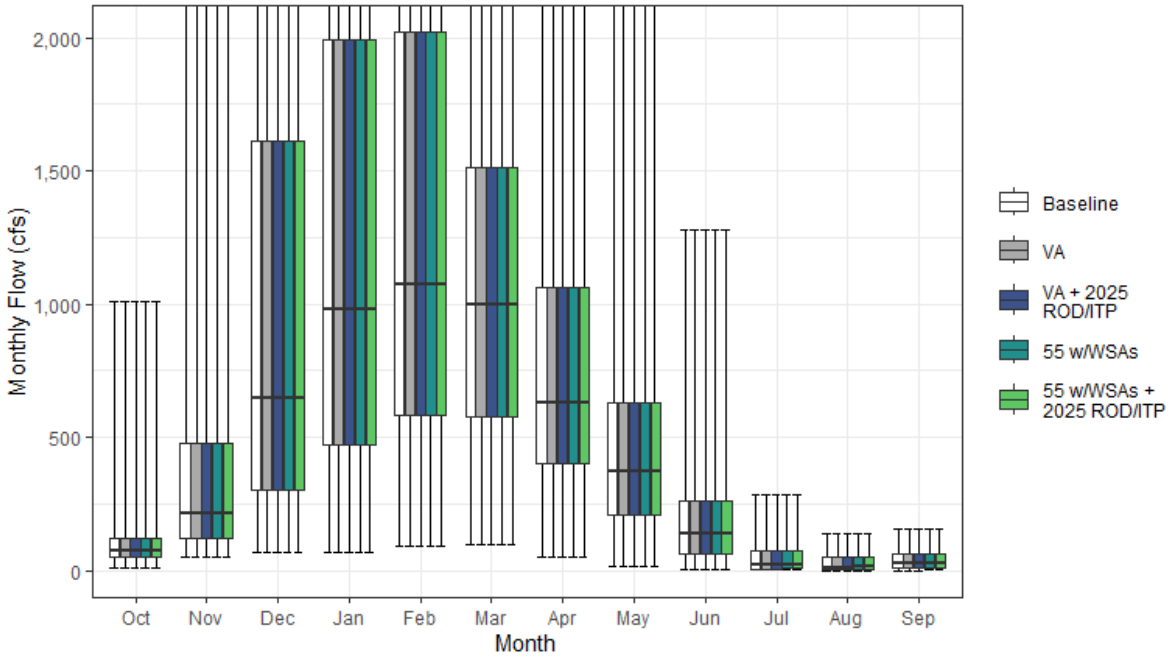

Figure H1a7-16. Cow Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-31. Cumulative Distribution of Monthly Flow (cfs) — Cow Creek above Confluence with Sacramento River (SWRCB Cow Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	10	51	67	66	94	98	52	17	1	1	1	1	43
10%	29	89	121	267	302	351	234	103	24	2	2	3	168
25%	49	119	302	471	580	576	399	211	62	5	4	8	232
50%	76	215	645	981	1,073	1,000	627	373	139	21	9	29	366
75%	120	477	1,614	1,992	2,020	1,512	1,061	630	258	76	48	64	564
90%	165	681	2,475	2,979	2,937	2,407	1,659	942	381	107	68	76	743
100%	1,012	2,304	3,707	5,391	5,418	4,973	3,217	2,185	1,276	284	139	158	1,108
Mean	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39	422
VA													
0%	10	51	67	66	94	98	52	17	1	1	1	1	43
10%	29	89	121	267	302	351	234	103	24	2	2	3	168
25%	49	119	302	471	580	576	399	211	62	5	4	8	232
50%	76	215	645	981	1,073	1,000	627	373	139	21	9	29	366
75%	120	477	1,614	1,992	2,020	1,512	1,061	630	258	76	48	64	564
90%	165	681	2,475	2,979	2,937	2,407	1,659	942	381	107	68	76	743
100%	1,012	2,304	3,707	5,391	5,418	4,973	3,217	2,185	1,276	284	139	158	1,108
Mean	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39	422
VA + 2025 ROD/ITP													
0%	10	51	67	66	94	98	52	17	1	1	1	1	43
10%	29	89	121	267	302	351	234	103	24	2	2	3	168
25%	49	119	302	471	580	576	399	211	62	5	4	8	232
50%	76	215	645	981	1,073	1,000	627	373	139	21	9	29	366
75%	120	477	1,614	1,992	2,020	1,512	1,061	630	258	76	48	64	564
90%	165	681	2,475	2,979	2,937	2,407	1,659	942	381	107	68	76	743
100%	1,012	2,304	3,707	5,391	5,418	4,973	3,217	2,185	1,276	284	139	158	1,108
Mean	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39	422
55 w/WSAs													
0%	10	51	67	66	94	98	52	17	3	1	1	1	43
10%	29	89	121	267	302	351	234	103	24	5	4	6	168
25%	49	119	302	471	580	576	399	211	62	10	7	10	233
50%	76	215	645	981	1,073	1,000	627	373	139	21	13	29	366
75%	120	477	1,614	1,992	2,020	1,512	1,061	630	258	76	48	64	564
90%	165	681	2,475	2,979	2,937	2,407	1,659	942	381	107	68	76	743
100%	1,012	2,304	3,707	5,391	5,418	4,973	3,217	2,185	1,276	284	139	158	1,108
Mean	99	352	1,031	1,365	1,434	1,188	799	471	188	45	29	39	422
55 w/WSAs + 2025 ROD/ITP													
0%	10	51	67	66	94	98	52	17	3	1	1	1	43
10%	29	89	121	267	302	351	234	103	24	5	4	6	168
25%	49	119	302	471	580	576	399	211	62	10	7	10	233
50%	76	215	645	981	1,073	1,000	627	373	139	21	13	29	366
75%	120	477	1,614	1,992	2,020	1,512	1,061	630	258	76	48	64	564
90%	165	681	2,475	2,979	2,937	2,407	1,659	942	381	107	68	76	743
100%	1,012	2,304	3,707	5,391	5,418	4,973	3,217	2,185	1,276	284	139	158	1,108
Mean	99	352	1,031	1,365	1,434	1,188	799	471	188	45	29	39	422

Table H1a7-32. Water Year Average of Monthly Flows (cfs) — Cow Creek above Confluence with Sacramento River (SWRCB Cow Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	83	122	440	460	614	487	232	155	52	6	6	7
D	74	322	731	572	912	844	507	249	72	7	5	21
BN	77	232	638	1,140	1,277	983	802	395	139	18	12	20
AN	108	317	969	1,851	1,804	1,575	880	638	228	53	39	63
W	135	587	1,839	2,379	2,205	1,789	1,282	783	360	101	62	71
All	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39
VA												
C	83	122	440	460	614	487	232	155	52	6	6	7
D	74	322	731	572	912	844	507	249	72	7	5	21
BN	77	232	638	1,140	1,277	983	802	395	139	18	12	20
AN	108	317	969	1,851	1,804	1,575	880	638	228	53	39	63
W	135	587	1,839	2,379	2,205	1,789	1,282	783	360	101	62	71
All	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39
VA + 2025 ROD/ITP												
C	83	122	440	460	614	487	232	155	52	6	6	7
D	74	322	731	572	912	844	507	249	72	7	5	21
BN	77	232	638	1,140	1,277	983	802	395	139	18	12	20
AN	108	317	969	1,851	1,804	1,575	880	638	228	53	39	63
W	135	587	1,839	2,379	2,205	1,789	1,282	783	360	101	62	71
All	99	352	1,031	1,365	1,434	1,188	799	471	188	43	28	39
55 w/WSAs												
C	83	122	440	460	614	487	232	155	52	8	7	9
D	74	322	731	572	912	844	507	249	72	11	7	22
BN	77	232	638	1,140	1,277	983	802	395	139	22	14	20
AN	108	317	969	1,851	1,804	1,575	880	638	228	53	39	63
W	135	587	1,839	2,379	2,205	1,789	1,282	783	360	101	62	71
All	99	352	1,031	1,365	1,434	1,188	799	471	188	45	29	39
55 w/WSAs + 2025 ROD/ITP												
C	83	122	440	460	614	487	232	155	52	8	7	9
D	74	322	731	572	912	844	507	249	72	11	7	22
BN	77	232	638	1,140	1,277	983	802	395	139	22	14	20
AN	108	317	969	1,851	1,804	1,575	880	638	228	53	39	63
W	135	587	1,839	2,379	2,205	1,789	1,282	783	360	101	62	71
All	99	352	1,031	1,365	1,434	1,188	799	471	188	45	29	39

H1a7.2.17 Deer Creek above Confluence with Sacramento River (SWRCB Deer Creek)

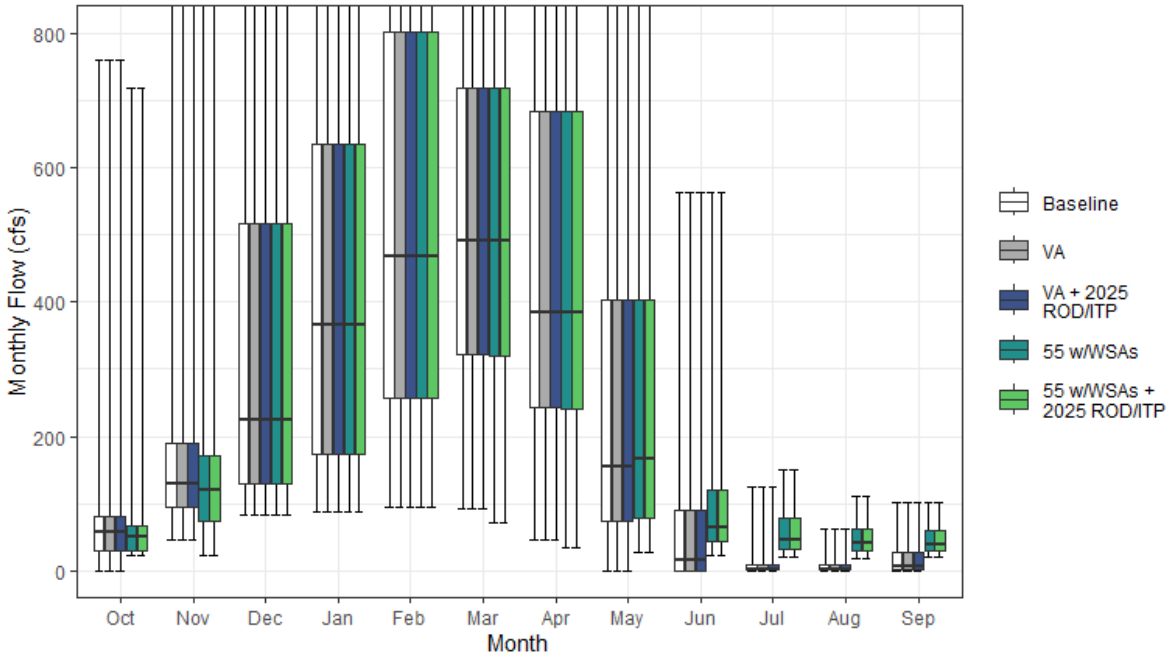

Figure H1a7-17. Deer Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-33. Cumulative Distribution of Monthly Flow (cfs) — Deer Creek above Confluence with Sacramento River (SWRCB Deer Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	47	82	87	95	92	45	0	0	0	0	0	33
10%	15	78	100	129	161	210	131	1	0	0	0	0	73
25%	29	95	129	173	257	321	243	73	0	1	1	1	100
50%	58	130	223	365	468	491	386	155	15	1	1	6	156
75%	80	189	517	635	802	719	684	404	89	9	9	26	258
90%	119	312	899	1,180	1,284	1,141	1,009	661	235	31	9	41	356
100%	761	969	1,797	2,427	2,567	2,079	1,696	1,102	563	125	63	101	463
Mean	67	178	380	510	616	588	494	261	69	11	7	15	192
VA													
0%	0	47	82	87	95	92	45	0	0	0	0	0	33
10%	15	78	100	129	161	210	131	1	0	0	0	0	73
25%	29	95	129	173	257	321	243	73	0	1	1	1	100
50%	58	130	223	365	468	491	386	155	15	1	1	6	156
75%	80	189	517	635	802	719	684	404	89	9	9	26	258
90%	119	312	899	1,180	1,284	1,141	1,009	661	235	31	9	41	356
100%	761	969	1,797	2,427	2,567	2,079	1,696	1,102	563	125	63	101	463
Mean	67	178	380	510	616	588	494	261	69	11	7	15	192
VA + 2025 ROD/ITP													
0%	0	47	82	87	95	92	45	0	0	0	0	0	33
10%	15	78	100	129	161	210	131	1	0	0	0	0	73
25%	29	95	129	173	257	321	243	73	0	1	1	1	100
50%	58	130	223	365	468	491	386	155	15	1	1	6	156
75%	80	189	517	635	802	719	684	404	89	9	9	26	258
90%	119	312	899	1,180	1,284	1,141	1,009	661	235	31	9	41	356
100%	761	969	1,797	2,427	2,567	2,079	1,696	1,102	563	125	63	101	463
Mean	67	178	380	510	616	588	494	261	69	11	7	15	192
55 w/WSAs													
0%	22	23	82	87	95	70	34	27	23	19	19	19	34
10%	24	40	100	129	161	204	124	47	34	26	23	23	76
25%	30	74	129	173	256	320	241	79	44	31	29	29	106
50%	50	120	223	365	468	491	386	166	64	45	41	40	159
75%	66	171	517	635	802	719	684	404	120	79	62	61	267
90%	76	312	899	1,180	1,284	1,141	1,009	661	235	104	81	73	362
100%	720	969	1,797	2,427	2,567	2,079	1,696	1,102	563	151	111	101	474
Mean	57	158	380	510	616	586	487	269	104	57	48	46	199
55 w/WSAs + 2025 ROD/ITP													
0%	22	23	82	87	95	70	34	27	23	19	19	19	34
10%	24	40	100	129	161	204	124	47	34	26	23	23	76
25%	30	74	129	173	256	320	241	79	44	31	29	29	106
50%	50	120	223	365	468	491	386	166	64	45	41	40	159
75%	66	171	517	635	802	719	684	404	120	79	62	61	267
90%	76	312	899	1,180	1,284	1,141	1,009	661	235	104	81	73	362
100%	720	969	1,797	2,427	2,567	2,079	1,696	1,102	563	151	111	101	474
Mean	57	158	380	510	616	586	487	269	104	57	48	46	199

Table H1a7-34. Water Year Average of Monthly Flows (cfs) — Deer Creek above Confluence with Sacramento River (SWRCB Deer Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	41	90	168	170	242	246	131	37	0	0	0	1
D	51	148	256	212	354	415	297	95	3	1	1	6
BN	57	140	236	355	492	496	494	191	36	1	2	4
AN	69	182	312	642	800	748	553	310	55	8	9	17
W	98	269	703	956	1,012	892	808	527	181	31	17	35
All	67	178	380	510	616	588	494	261	69	11	7	15
VA												
C	41	90	168	170	242	246	131	37	0	0	0	1
D	51	148	256	212	354	415	297	95	3	1	1	6
BN	57	140	236	355	492	496	494	191	36	1	2	4
AN	69	182	312	642	800	748	553	310	55	8	9	17
W	98	269	703	956	1,012	892	808	527	181	31	17	35
All	67	178	380	510	616	588	494	261	69	11	7	15
VA + 2025 ROD/ITP												
C	41	90	168	170	242	246	131	37	0	0	0	1
D	51	148	256	212	354	415	297	95	3	1	1	6
BN	57	140	236	355	492	496	494	191	36	1	2	4
AN	69	182	312	642	800	748	553	310	55	8	9	17
W	98	269	703	956	1,012	892	808	527	181	31	17	35
All	67	178	380	510	616	588	494	261	69	11	7	15
55 w/WSAs												
C	38	69	168	170	242	241	117	52	33	25	23	23
D	48	129	256	212	353	411	289	110	46	34	31	31
BN	49	114	236	355	492	495	483	200	76	45	38	37
AN	49	153	312	642	800	748	550	308	100	62	53	53
W	84	256	703	956	1,012	892	808	528	204	98	77	70
All	57	158	380	510	616	586	487	269	104	57	48	46
55 w/WSAs + 2025 ROD/ITP												
C	38	69	168	170	242	241	117	52	33	25	23	23
D	48	129	256	212	353	411	289	110	46	34	31	31
BN	49	114	236	355	492	495	483	200	76	45	38	37
AN	49	153	312	642	800	748	550	308	100	62	53	53
W	84	256	703	956	1,012	892	808	528	204	98	77	70
All	57	158	380	510	616	586	487	269	104	57	48	46

H1a7.2.18 Elder Creek above Confluence with Sacramento River

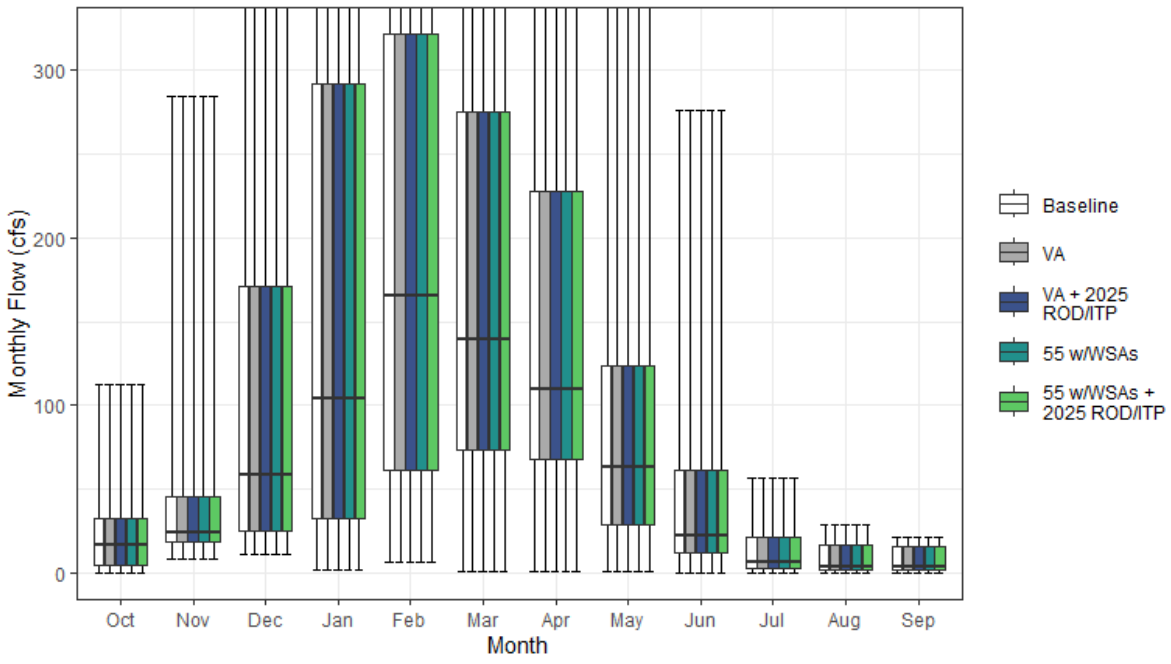

Figure H1a7-18. Elder Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-35. Cumulative Distribution of Monthly Flow (cfs) — Elder Creek above Confluence with Sacramento River

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	8	11	1	6	1	1	0	0	0	0	0	3
10%	2	13	18	14	22	32	25	13	5	1	0	0	15
25%	4	18	25	32	61	73	68	28	12	3	1	1	29
50%	17	24	59	104	165	139	110	63	22	6	4	4	52
75%	32	45	171	292	322	276	228	123	61	21	16	15	96
90%	35	107	309	423	556	400	304	196	82	28	19	17	127
100%	112	284	580	1,118	1,513	1,088	666	462	276	56	28	21	213
Mean	19	44	122	186	237	194	152	87	41	13	8	8	67
VA													
0%	0	8	11	1	6	1	1	0	0	0	0	0	3
10%	2	13	18	14	22	32	25	13	5	1	0	0	15
25%	4	18	25	32	61	73	68	28	12	3	1	1	29
50%	17	24	59	104	165	139	110	63	22	6	4	4	52
75%	32	45	171	292	322	276	228	123	61	21	16	15	96
90%	35	107	309	423	556	400	304	196	82	28	19	17	127
100%	112	284	580	1,118	1,513	1,088	666	462	276	56	28	21	213
Mean	19	44	122	186	237	194	152	87	41	13	8	8	67
VA + 2025 ROD/ITP													
0%	0	8	11	1	6	1	1	0	0	0	0	0	3
10%	2	13	18	14	22	32	25	13	5	1	0	0	15
25%	4	18	25	32	61	73	68	28	12	3	1	1	29
50%	17	24	59	104	165	139	110	63	22	6	4	4	52
75%	32	45	171	292	322	276	228	123	61	21	16	15	96
90%	35	107	309	423	556	400	304	196	82	28	19	17	127
100%	112	284	580	1,118	1,513	1,088	666	462	276	56	28	21	213
Mean	19	44	122	186	237	194	152	87	41	13	8	8	67
55 w/WSAs													
0%	0	8	11	1	6	1	1	0	0	0	0	0	3
10%	2	13	18	14	22	32	25	13	5	1	0	0	15
25%	4	18	25	32	61	73	68	28	12	3	1	1	29
50%	17	24	59	104	165	139	110	63	22	6	4	4	52
75%	32	45	171	292	322	276	228	123	61	21	16	15	96
90%	35	107	309	423	556	400	304	196	82	28	19	17	127
100%	112	284	580	1,118	1,513	1,088	666	462	276	56	28	21	213
Mean	19	44	122	186	237	194	152	87	41	13	8	8	67
55 w/WSAs + 2025 ROD/ITP													
0%	0	8	11	1	6	1	1	0	0	0	0	0	3
10%	2	13	18	14	22	32	25	13	5	1	0	0	15
25%	4	18	25	32	61	73	68	28	12	3	1	1	29
50%	17	24	59	104	165	139	110	63	22	6	4	4	52
75%	32	45	171	292	322	276	228	123	61	21	16	15	96
90%	35	107	309	423	556	400	304	196	82	28	19	17	127
100%	112	284	580	1,118	1,513	1,088	666	462	276	56	28	21	213
Mean	19	44	122	186	237	194	152	87	41	13	8	8	67

Table H1a7-36. Water Year Average of Monthly Flows (cfs) — Elder Creek above Confluence with Sacramento River

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	9	15	51	44	71	71	42	25	8	2	0	0
D	17	38	71	68	127	127	72	36	13	4	2	2
BN	18	36	65	132	155	121	133	51	21	5	3	3
AN	20	51	134	288	364	258	186	137	65	20	14	14
W	26	67	227	342	409	329	268	162	83	26	18	16
All	19	44	122	186	237	194	152	87	41	13	8	8
VA												
C	9	15	51	44	71	71	42	25	8	2	0	0
D	17	38	71	68	127	127	72	36	13	4	2	2
BN	18	36	65	132	155	121	133	51	21	5	3	3
AN	20	51	134	288	364	258	186	137	65	20	14	14
W	26	67	227	342	409	329	268	162	83	26	18	16
All	19	44	122	186	237	194	152	87	41	13	8	8
VA + 2025 ROD/ITP												
C	9	15	51	44	71	71	42	25	8	2	0	0
D	17	38	71	68	127	127	72	36	13	4	2	2
BN	18	36	65	132	155	121	133	51	21	5	3	3
AN	20	51	134	288	364	258	186	137	65	20	14	14
W	26	67	227	342	409	329	268	162	83	26	18	16
All	19	44	122	186	237	194	152	87	41	13	8	8
55 w/WSAs												
C	9	15	51	44	71	71	42	25	8	2	0	0
D	17	38	71	68	127	127	72	36	13	4	2	2
BN	18	36	65	132	155	121	133	51	21	5	3	3
AN	20	51	134	288	364	258	186	137	65	20	14	14
W	26	67	227	342	409	329	268	162	83	26	18	16
All	19	44	122	186	237	194	152	87	41	13	8	8
55 w/WSAs + 2025 ROD/ITP												
C	9	15	51	44	71	71	42	25	8	2	0	0
D	17	38	71	68	127	127	72	36	13	4	2	2
BN	18	36	65	132	155	121	133	51	21	5	3	3
AN	20	51	134	288	364	258	186	137	65	20	14	14
W	26	67	227	342	409	329	268	162	83	26	18	16
All	19	44	122	186	237	194	152	87	41	13	8	8

H1a7.2.19 Feather River below Oroville Reservoir (SWRCB Oroville)

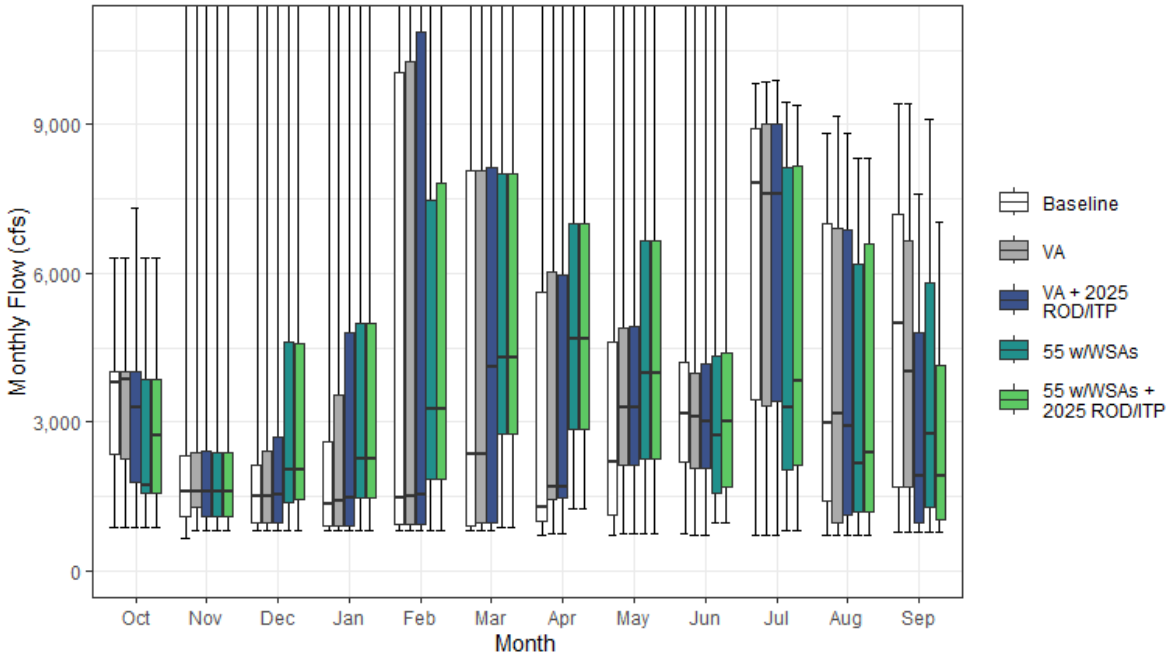

Figure H1a7-19. Feather River Streamflow below Oroville Reservoir Monthly Boxplot (cfs)

Table H1a7-37. Cumulative Distribution of Monthly Flow (cfs) — Feather River below Oroville Reservoir (SWRCB Oroville)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	875	647	812	811	814	811	717	726	732	717	716	788	720
10%	1,407	829	840	826	841	820	763	978	1,393	2,272	719	955	1,394
25%	2,334	1,096	976	912	930	889	995	1,123	2,177	3,442	1,400	1,698	1,858
50%	3,791	1,591	1,487	1,336	1,467	2,355	1,266	2,183	3,160	7,833	2,968	5,000	2,599
75%	3,999	2,325	2,133	2,598	10,052	8,083	5,603	4,620	4,200	8,918	6,989	7,195	4,147
90%	4,730	2,404	8,299	12,174	17,894	17,071	11,068	9,726	6,629	9,410	8,081	8,900	5,550
100%	6,299	15,494	24,353	38,957	47,868	37,319	22,208	21,120	13,401	9,834	8,833	9,423	8,218
Mean	3,339	1,969	3,149	4,191	6,051	6,206	3,936	3,922	3,715	6,417	3,995	4,789	3,116
VA													
0%	869	811	814	810	814	810	753	736	727	717	716	790	737
10%	1,414	831	840	824	840	819	1,140	1,456	989	2,281	719	957	1,390
25%	2,242	1,276	971	900	946	951	1,428	2,122	2,056	3,331	968	1,681	1,948
50%	3,868	1,601	1,505	1,412	1,487	2,355	1,679	3,304	3,099	7,603	3,154	4,001	2,726
75%	4,003	2,386	2,402	3,545	10,278	8,082	6,041	4,887	3,993	9,017	6,891	6,665	4,166
90%	4,730	2,405	8,793	12,308	18,136	17,071	11,069	9,726	6,629	9,385	8,023	8,765	5,545
100%	6,299	15,558	24,353	38,957	47,878	37,630	22,208	21,120	13,401	9,873	9,172	9,422	8,220
Mean	3,330	2,017	3,301	4,308	6,109	6,284	4,237	4,507	3,571	6,185	4,024	4,301	3,146
VA + 2025 ROD/ITP													
0%	869	811	813	811	814	809	759	737	727	717	716	789	775
10%	1,418	829	840	824	838	820	1,138	1,456	989	2,463	720	793	1,423
25%	1,779	1,094	977	912	947	949	1,467	2,140	2,070	3,423	1,124	961	1,969
50%	3,302	1,598	1,540	1,480	1,536	4,095	1,681	3,288	3,022	7,608	2,923	1,913	2,900
75%	4,019	2,399	2,679	4,793	10,865	8,134	5,959	4,918	4,181	9,017	6,888	4,815	4,131
90%	5,217	3,514	9,321	13,051	18,469	17,071	11,069	9,727	6,629	9,400	8,030	5,839	5,564
100%	7,323	15,558	28,549	38,957	47,879	36,686	22,209	21,120	13,401	9,877	8,816	7,607	8,218
Mean	3,185	2,275	3,490	4,698	6,517	6,511	4,240	4,522	3,588	6,330	3,973	2,828	3,146
55 w/WSAs													
0%	868	811	808	808	813	884	1,243	746	973	806	727	792	1,041
10%	1,172	823	840	960	1,374	1,877	1,777	1,692	1,095	1,296	945	932	1,237
25%	1,558	1,099	1,375	1,464	1,858	2,769	2,856	2,254	1,554	2,024	1,174	1,276	1,652
50%	1,722	1,607	2,021	2,243	3,252	4,302	4,682	3,982	2,729	3,303	2,156	2,766	2,623
75%	3,866	2,385	4,610	4,980	7,466	8,015	6,989	6,665	4,340	8,118	6,197	5,809	4,139
90%	3,959	2,401	8,096	12,278	12,627	13,828	10,835	9,401	6,934	8,774	7,336	8,114	5,723
100%	6,299	15,494	24,353	37,042	40,183	30,830	22,208	20,819	12,992	9,467	8,307	9,098	8,220
Mean	2,622	2,016	3,625	4,898	5,825	6,388	5,734	5,053	3,481	4,807	3,480	3,763	3,117
55 w/WSAs + 2025 ROD/ITP													
0%	868	811	809	808	813	884	1,235	746	978	806	728	791	1,045
10%	1,092	825	840	960	1,373	1,877	1,778	1,748	1,171	1,290	971	926	1,267
25%	1,574	1,105	1,448	1,464	1,860	2,769	2,857	2,255	1,683	2,142	1,195	1,031	1,689
50%	2,726	1,609	2,022	2,243	3,255	4,302	4,681	3,998	3,015	3,818	2,383	1,900	2,802
75%	3,870	2,385	4,574	4,980	7,806	8,014	6,989	6,663	4,396	8,174	6,587	4,140	4,126
90%	4,020	2,403	8,101	13,051	12,596	13,828	10,834	9,399	6,934	8,782	7,322	5,509	5,654
100%	6,301	15,494	24,353	38,957	42,265	33,625	22,208	20,819	12,992	9,383	8,310	7,044	8,220
Mean	2,777	2,055	3,686	4,987	6,011	6,476	5,748	5,065	3,569	4,957	3,640	2,687	3,115

Table H1a7-38. Water Year Average of Monthly Flows (cfs) — Feather River below Oroville Reservoir (SWRCB Oroville)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	3,323	1,659	1,237	1,013	999	1,081	1,380	1,900	2,992	4,037	3,025	1,998
D	3,064	1,622	1,467	1,222	1,649	1,533	960	1,830	3,432	7,933	5,652	2,183
BN	3,498	1,884	1,967	1,810	2,964	3,854	1,747	1,711	2,624	8,809	6,798	5,890
AN	3,043	1,557	2,572	3,014	7,361	7,556	3,580	3,186	2,680	7,725	4,175	8,693
W	3,567	2,606	6,382	10,044	13,405	13,317	9,009	8,228	5,414	4,537	1,449	5,929
All	3,339	1,969	3,149	4,191	6,051	6,206	3,936	3,922	3,715	6,417	3,995	4,789
VA												
C	3,304	1,686	1,403	985	999	1,095	1,422	2,281	2,769	3,642	3,418	1,738
D	3,134	1,574	1,478	1,224	1,650	1,583	1,531	2,991	3,369	7,727	5,878	1,513
BN	3,617	2,030	2,041	1,902	2,844	3,934	2,262	2,816	2,546	8,724	6,560	4,451
AN	2,805	1,541	2,657	3,276	7,425	7,679	4,117	3,627	2,090	7,584	4,346	8,712
W	3,515	2,701	6,707	10,277	13,645	13,429	9,020	8,229	5,389	4,243	1,252	5,854
All	3,330	2,017	3,301	4,308	6,109	6,284	4,237	4,507	3,571	6,185	4,024	4,301
VA + 2025 ROD/ITP												
C	3,472	1,560	1,168	1,077	1,302	1,122	1,429	2,359	2,902	4,044	2,875	2,048
D	2,972	2,051	1,583	1,580	2,004	2,197	1,585	2,977	3,273	8,081	6,139	2,103
BN	3,289	2,284	2,153	2,087	3,865	4,174	2,262	2,846	2,437	8,752	6,530	4,560
AN	2,673	1,901	2,609	4,145	7,713	8,001	4,034	3,625	2,347	7,573	4,169	2,307
W	3,328	2,964	7,327	10,789	13,810	13,432	9,022	8,230	5,408	4,235	1,274	2,889
All	3,185	2,275	3,490	4,698	6,517	6,511	4,240	4,522	3,588	6,330	3,973	2,828
55 w/WSAs												
C	2,676	1,291	1,493	1,196	1,514	1,874	1,754	1,577	1,560	1,865	1,982	1,817
D	2,372	1,767	2,270	1,571	2,640	3,253	3,164	2,647	1,619	2,977	2,666	2,148
BN	2,714	1,743	2,473	2,470	3,837	4,616	5,078	4,009	2,997	7,214	4,695	3,072
AN	2,232	1,750	2,823	4,797	6,194	7,066	5,757	5,357	3,538	6,611	5,241	6,342
W	2,873	2,866	6,804	10,890	11,571	11,945	10,147	9,210	6,155	5,474	3,403	5,391
All	2,622	2,016	3,625	4,898	5,825	6,388	5,734	5,053	3,481	4,807	3,480	3,763
55 w/WSAs + 2025 ROD/ITP												
C	2,612	1,425	1,413	1,197	1,515	1,874	1,753	1,614	1,622	2,199	2,279	1,766
D	2,654	1,733	2,219	1,572	2,773	3,254	3,165	2,651	1,720	3,399	2,513	2,557
BN	3,073	1,833	2,651	2,486	3,837	4,663	5,079	4,054	3,013	7,320	5,365	2,254
AN	2,236	1,750	2,749	4,790	6,505	7,462	5,865	5,333	3,877	6,612	5,373	3,000
W	2,984	2,889	7,005	11,176	11,962	12,049	10,151	9,209	6,191	5,411	3,405	3,421
All	2,777	2,055	3,686	4,987	6,011	6,476	5,748	5,065	3,569	4,957	3,640	2,687

H1a7.2.20 Feather River above Confluence with Sacramento River (SWRCB Feather River)

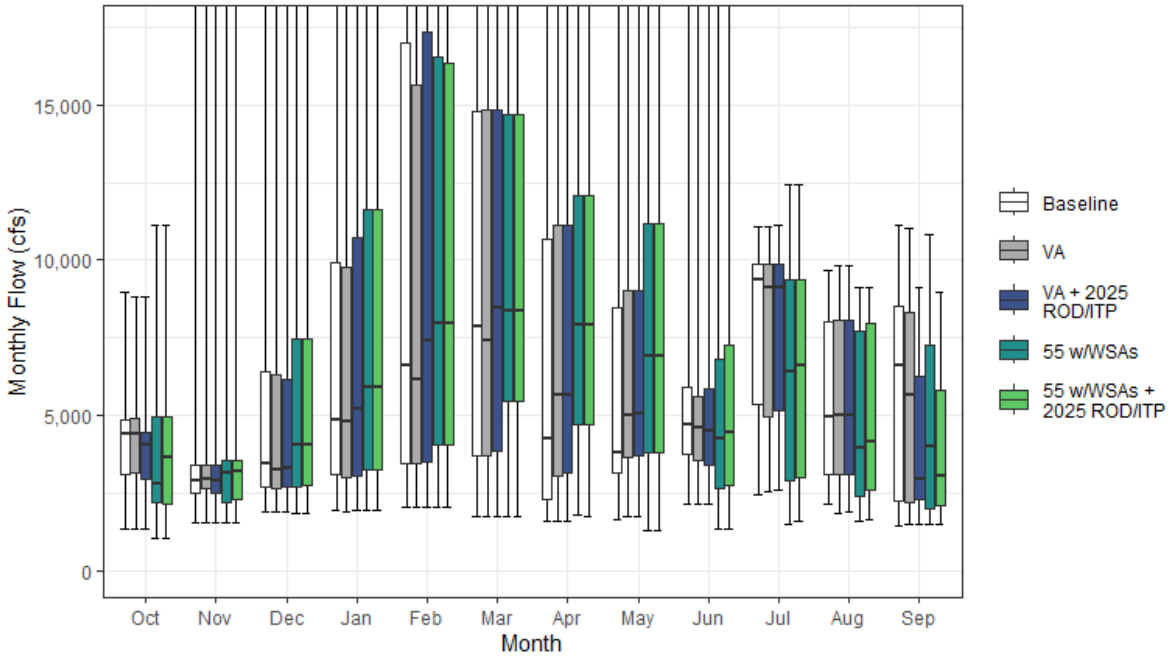

Figure H1a7-20. Feather River Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-39. Cumulative Distribution of Monthly Flow (cfs) — Feather River above Confluence with Sacramento River (SWRCB Feather River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	1,350	1,537	1,913	1,924	2,043	1,755	1,602	1,637	2,152	2,432	2,154	1,420	1,614
10%	1,955	1,854	2,174	2,352	2,728	2,570	1,904	2,375	2,765	3,632	2,910	1,768	2,113
25%	3,110	2,496	2,683	3,084	3,453	3,705	2,294	3,139	3,731	5,354	3,100	2,253	3,085
50%	4,407	2,897	3,432	4,833	6,619	7,864	4,273	3,819	4,707	9,376	4,947	6,592	4,212
75%	4,874	3,414	6,400	9,914	16,996	14,809	10,672	8,452	5,883	9,885	7,991	8,538	6,928
90%	6,144	3,911	18,825	23,516	28,614	27,426	17,937	15,763	10,734	10,272	8,788	10,388	8,946
100%	8,964	21,701	39,713	66,525	78,626	57,708	36,790	29,835	22,723	11,096	9,661	11,100	13,344
Mean	4,143	3,430	6,571	9,409	11,923	11,493	7,498	6,809	5,947	7,814	5,450	5,962	5,205
VA													
0%	1,350	1,536	1,913	1,899	2,037	1,755	1,602	1,725	2,153	2,548	1,836	1,490	1,711
10%	2,021	1,899	2,181	2,364	2,730	2,557	2,091	3,142	2,704	3,450	2,680	1,800	2,102
25%	3,150	2,655	2,640	2,987	3,446	3,696	3,046	3,647	3,522	4,935	3,098	2,205	3,149
50%	4,402	2,936	3,233	4,793	6,174	7,399	5,669	5,013	4,587	9,108	4,982	5,667	4,256
75%	4,878	3,418	6,306	9,779	15,638	14,815	11,116	9,005	5,586	9,844	8,053	8,320	7,003
90%	6,105	3,911	19,004	23,990	29,126	27,380	17,923	15,734	10,742	10,285	8,715	10,231	8,972
100%	8,830	21,763	39,712	66,581	78,671	57,999	36,834	29,831	22,721	11,093	9,796	10,999	13,342
Mean	4,132	3,456	6,597	9,402	11,938	11,540	8,140	7,422	5,780	7,576	5,487	5,497	5,236
VA + 2025 ROD/ITP													
0%	1,351	1,533	1,913	1,924	2,040	1,754	1,607	1,725	2,148	2,571	1,899	1,488	1,688
10%	2,023	1,895	2,189	2,352	2,729	2,726	2,102	3,145	2,684	3,594	2,728	1,861	2,120
25%	2,940	2,496	2,688	3,047	3,492	3,864	3,130	3,697	3,403	5,135	3,075	2,300	3,252
50%	4,034	2,900	3,272	5,199	7,392	8,478	5,668	5,045	4,510	9,109	4,982	2,962	4,405
75%	4,454	3,413	6,148	10,722	17,338	14,816	11,114	9,022	5,877	9,857	8,060	6,249	6,914
90%	6,310	5,763	18,941	24,938	29,126	27,371	17,930	15,754	10,738	10,269	8,799	7,067	8,953
100%	8,812	21,763	41,520	66,580	78,675	57,212	36,783	29,831	22,721	11,097	9,833	9,098	13,340
Mean	3,994	3,697	6,774	9,765	12,320	11,754	8,141	7,440	5,795	7,714	5,440	4,066	5,233
55 w/WSAs													
0%	1,016	1,521	1,835	1,933	2,033	1,764	1,771	1,313	1,341	1,511	1,590	1,491	1,428
10%	1,644	1,844	2,066	2,518	2,970	3,447	3,040	2,422	1,866	1,978	1,984	1,709	2,043
25%	2,200	2,202	2,714	3,256	4,028	5,475	4,710	3,814	2,644	2,879	2,402	1,991	2,905
50%	2,776	3,128	4,063	5,882	7,937	8,367	7,914	6,913	4,270	6,426	3,952	4,004	4,308
75%	4,960	3,550	7,462	11,603	16,533	14,694	12,060	11,178	6,824	9,370	7,696	7,235	7,385
90%	5,108	4,803	14,292	22,300	24,826	23,371	17,695	15,434	10,913	10,134	8,481	9,694	9,316
100%	11,130	22,179	39,264	63,531	71,342	50,322	36,578	29,980	21,160	12,432	9,122	10,805	13,356
Mean	3,492	3,631	6,948	9,966	11,676	11,765	9,614	8,373	5,627	6,186	4,888	4,935	5,244
55 w/WSAs + 2025 ROD/ITP													
0%	1,014	1,520	1,855	1,933	2,033	1,764	1,763	1,313	1,352	1,612	1,646	1,490	1,431
10%	1,625	1,844	2,070	2,519	2,969	3,448	3,040	2,556	1,896	1,971	1,962	1,720	2,074
25%	2,161	2,285	2,737	3,257	4,030	5,475	4,711	3,813	2,757	2,998	2,610	2,103	2,871
50%	3,658	3,182	4,039	5,882	7,938	8,367	7,914	6,918	4,464	6,604	4,133	3,021	4,191
75%	4,961	3,568	7,457	11,603	16,346	14,694	12,062	11,176	7,278	9,363	7,973	5,818	7,334
90%	5,231	4,749	14,808	24,769	25,230	23,794	17,682	15,430	10,914	10,024	8,516	7,140	9,300
100%	11,130	22,179	39,264	65,952	73,345	54,258	36,574	29,981	21,160	12,432	9,116	8,958	13,357
Mean	3,635	3,667	7,005	10,049	11,851	11,848	9,626	8,383	5,708	6,328	5,039	3,893	5,241

Table H1a7-40. Water Year Average of Monthly Flows (cfs) — Feather River above Confluence with Sacramento River (SWRCB Feather River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	3,808	2,716	2,672	2,678	2,903	2,737	2,119	2,593	3,417	4,338	3,489	2,458
D	3,797	2,841	3,404	3,500	4,509	4,810	2,668	3,286	4,416	8,559	6,464	2,993
BN	4,229	3,045	3,989	5,314	7,851	8,087	5,191	4,131	4,438	9,679	7,897	6,786
AN	3,731	3,278	5,781	9,546	14,505	14,760	7,643	6,701	5,061	9,355	6,016	10,194
W	4,687	4,548	12,924	19,872	23,717	21,914	15,311	13,382	9,728	7,322	3,977	7,794
All	4,143	3,430	6,571	9,409	11,923	11,493	7,498	6,809	5,947	7,814	5,450	5,962
VA												
C	3,791	2,738	2,825	2,624	2,891	2,734	2,130	2,929	3,171	3,946	3,843	2,205
D	3,861	2,799	3,403	3,380	4,429	4,815	3,761	4,436	4,286	8,303	6,762	2,367
BN	4,339	3,188	3,993	5,218	7,688	8,140	6,480	5,372	4,305	9,554	7,637	5,397
AN	3,514	3,192	5,676	9,751	14,554	14,814	8,863	7,262	4,535	9,302	6,196	10,214
W	4,630	4,597	12,969	19,944	23,916	22,013	15,318	13,371	9,700	7,037	3,783	7,725
All	4,132	3,456	6,597	9,402	11,938	11,540	8,140	7,422	5,780	7,576	5,487	5,497
VA + 2025 ROD/ITP												
C	3,950	2,621	2,606	2,710	3,171	2,762	2,137	2,997	3,296	4,323	3,329	2,496
D	3,706	3,248	3,502	3,712	4,760	5,390	3,815	4,422	4,194	8,646	7,014	2,937
BN	4,028	3,420	4,100	5,390	8,642	8,363	6,477	5,404	4,199	9,581	7,608	5,502
AN	3,386	3,529	5,622	10,559	14,821	15,114	8,785	7,259	4,783	9,289	6,027	4,010
W	4,452	4,843	13,550	20,421	24,072	22,020	15,311	13,384	9,717	7,027	3,803	4,844
All	3,994	3,697	6,774	9,765	12,320	11,754	8,141	7,440	5,795	7,714	5,440	4,066
55 w/WSAs												
C	3,215	2,360	2,965	2,888	3,454	3,663	2,837	2,492	2,148	2,312	2,498	2,259
D	3,151	3,049	4,259	3,763	5,501	6,617	5,383	4,488	2,629	3,686	3,474	2,842
BN	3,509	2,970	4,463	5,884	8,535	9,016	8,750	6,795	4,714	8,003	5,776	4,065
AN	2,981	3,637	5,922	11,196	13,335	14,111	10,071	9,384	5,827	8,156	6,928	7,882
W	4,085	5,152	13,027	20,381	21,916	20,663	16,696	14,955	10,180	8,147	5,819	7,269
All	3,492	3,631	6,948	9,966	11,676	11,765	9,614	8,373	5,627	6,186	4,888	4,935
55 w/WSAs + 2025 ROD/ITP												
C	3,150	2,487	2,892	2,890	3,455	3,663	2,837	2,528	2,203	2,623	2,770	2,210
D	3,415	3,018	4,212	3,765	5,627	6,617	5,384	4,487	2,721	4,094	3,324	3,237
BN	3,845	3,055	4,629	5,902	8,535	9,061	8,751	6,837	4,726	8,105	6,423	3,274
AN	2,982	3,637	5,852	11,185	13,625	14,482	10,176	9,361	6,155	8,157	7,061	4,646
W	4,185	5,174	13,215	20,647	22,284	20,761	16,692	14,952	10,210	8,087	5,821	5,361
All	3,635	3,667	7,005	10,049	11,851	11,848	9,626	8,383	5,708	6,328	5,039	3,893

H1a7.2.21 Mill Creek above Confluence with Sacramento River (SWRCB Mill Creek)

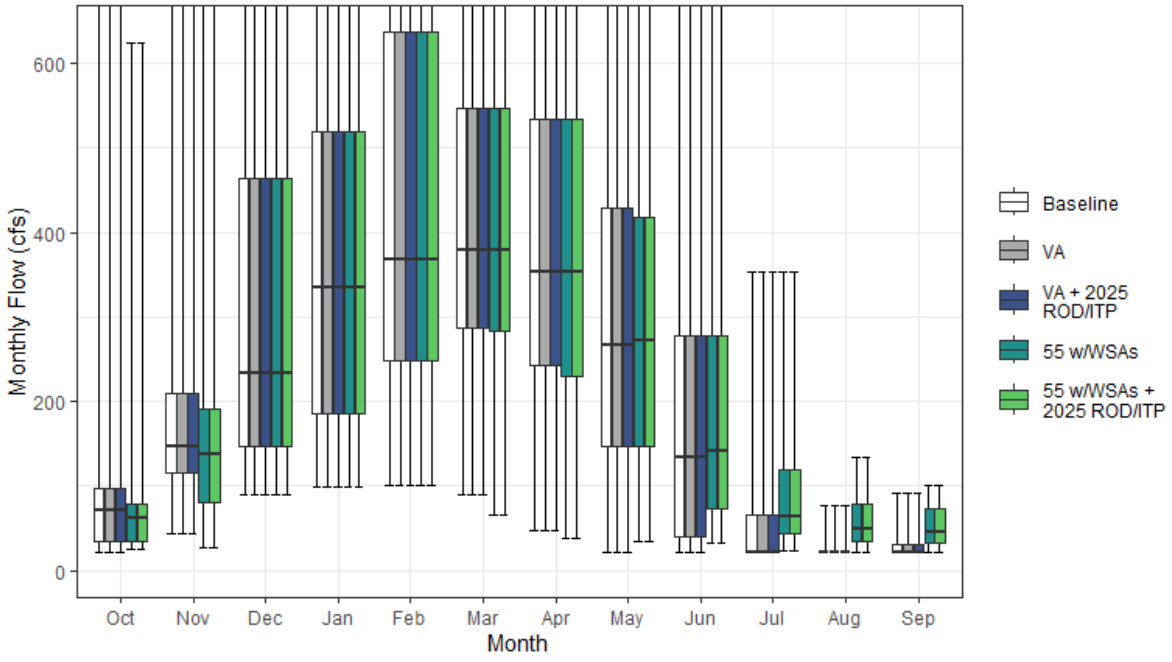

Figure H1a7-21. Mill Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-41. Cumulative Distribution of Monthly Flow (cfs) — Mill Creek above Confluence with Sacramento River (SWRCB Mill Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	21	43	90	100	101	90	48	21	21	21	21	21	39
10%	21	93	119	142	176	191	166	70	21	21	21	21	88
25%	34	115	147	185	247	287	243	147	40	21	21	21	109
50%	71	147	234	334	368	378	354	266	135	21	21	21	147
75%	98	209	464	519	637	547	533	429	277	66	21	31	239
90%	134	314	776	895	873	795	716	598	401	139	29	52	301
100%	671	1,026	1,345	1,816	1,725	1,266	1,101	804	668	353	77	91	383
Mean	79	192	349	422	476	448	399	304	175	56	25	29	177
VA													
0%	21	43	90	100	101	90	48	21	21	21	21	21	39
10%	21	93	119	142	176	191	166	70	21	21	21	21	88
25%	34	115	147	185	247	287	243	147	40	21	21	21	109
50%	71	147	234	334	368	378	354	266	135	21	21	21	147
75%	98	209	464	519	637	547	533	429	277	66	21	31	239
90%	134	314	776	895	873	795	716	598	401	139	29	52	301
100%	671	1,026	1,345	1,816	1,725	1,266	1,101	804	668	353	77	91	383
Mean	79	192	349	422	476	448	399	304	175	56	25	29	177
VA + 2025 ROD/ITP													
0%	21	43	90	100	101	90	48	21	21	21	21	21	39
10%	21	93	119	142	176	191	166	70	21	21	21	21	88
25%	34	115	147	185	247	287	243	147	40	21	21	21	109
50%	71	147	234	334	368	378	354	266	135	21	21	21	147
75%	98	209	464	519	637	547	533	429	277	66	21	31	239
90%	134	314	776	895	873	795	716	598	401	139	29	52	301
100%	671	1,026	1,345	1,816	1,725	1,266	1,101	804	668	353	77	91	383
Mean	79	192	349	422	476	448	399	304	175	56	25	29	177
55 w/WSAs													
0%	24	28	90	100	101	66	38	35	32	23	21	22	36
10%	29	49	119	142	176	199	158	83	50	35	28	27	87
25%	34	81	147	185	247	283	229	147	73	44	34	33	111
50%	62	138	234	334	368	378	354	272	141	65	49	46	154
75%	78	191	464	519	637	547	533	418	277	120	78	73	244
90%	86	314	776	895	873	795	716	598	401	165	96	83	305
100%	624	1,026	1,345	1,816	1,725	1,266	1,101	804	668	353	135	101	390
Mean	66	169	349	422	476	446	392	304	188	89	58	52	181
55 w/WSAs + 2025 ROD/ITP													
0%	24	28	90	100	101	66	38	35	32	23	21	22	36
10%	29	49	119	142	176	199	158	83	50	35	28	27	87
25%	34	81	147	185	247	283	229	147	73	44	34	33	111
50%	62	138	234	334	368	378	354	272	141	65	49	46	154
75%	78	191	464	519	637	547	533	418	277	120	78	73	244
90%	86	314	776	895	873	795	716	598	401	165	96	83	305
100%	624	1,026	1,345	1,816	1,725	1,266	1,101	804	668	353	135	101	390
Mean	66	169	349	422	476	446	392	304	188	89	58	52	181

Table H1a7-42. Water Year Average of Monthly Flows (cfs) — Mill Creek above Confluence with Sacramento River (SWRCB Mill Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	54	108	184	180	232	238	150	89	30	21	21	21
D	62	158	245	214	319	356	291	173	59	21	21	25
BN	69	154	235	334	399	397	412	260	143	28	21	21
AN	82	195	300	535	597	566	458	384	209	45	23	31
W	110	285	605	715	721	612	579	510	343	123	32	41
All	79	192	349	422	476	448	399	304	175	56	25	29
VA												
C	54	108	184	180	232	238	150	89	30	21	21	21
D	62	158	245	214	319	356	291	173	59	21	21	25
BN	69	154	235	334	399	397	412	260	143	28	21	21
AN	82	195	300	535	597	566	458	384	209	45	23	31
W	110	285	605	715	721	612	579	510	343	123	32	41
All	79	192	349	422	476	448	399	304	175	56	25	29
VA + 2025 ROD/ITP												
C	54	108	184	180	232	238	150	89	30	21	21	21
D	62	158	245	214	319	356	291	173	59	21	21	25
BN	69	154	235	334	399	397	412	260	143	28	21	21
AN	82	195	300	535	597	566	458	384	209	45	23	31
W	110	285	605	715	721	612	579	510	343	123	32	41
All	79	192	349	422	476	448	399	304	175	56	25	29
55 w/WSAs												
C	45	84	184	180	232	232	134	92	51	33	29	27
D	56	137	245	214	318	352	282	172	84	46	37	36
BN	58	123	235	334	399	395	400	265	156	66	47	43
AN	57	162	300	535	597	566	454	380	217	98	68	64
W	92	270	605	715	721	612	579	508	346	161	93	79
All	66	169	349	422	476	446	392	304	188	89	58	52
55 w/WSAs + 2025 ROD/ITP												
C	45	84	184	180	232	232	134	92	51	33	29	27
D	56	137	245	214	318	352	282	172	84	46	37	36
BN	58	123	235	334	399	395	400	265	156	66	47	43
AN	57	162	300	535	597	566	454	380	217	98	68	64
W	92	270	605	715	721	612	579	508	346	161	93	79
All	66	169	349	422	476	446	392	304	188	89	58	52

H1a7.2.22 Mokelumne River above Pardee Reservoir (SWRCB Pardee Inflow)

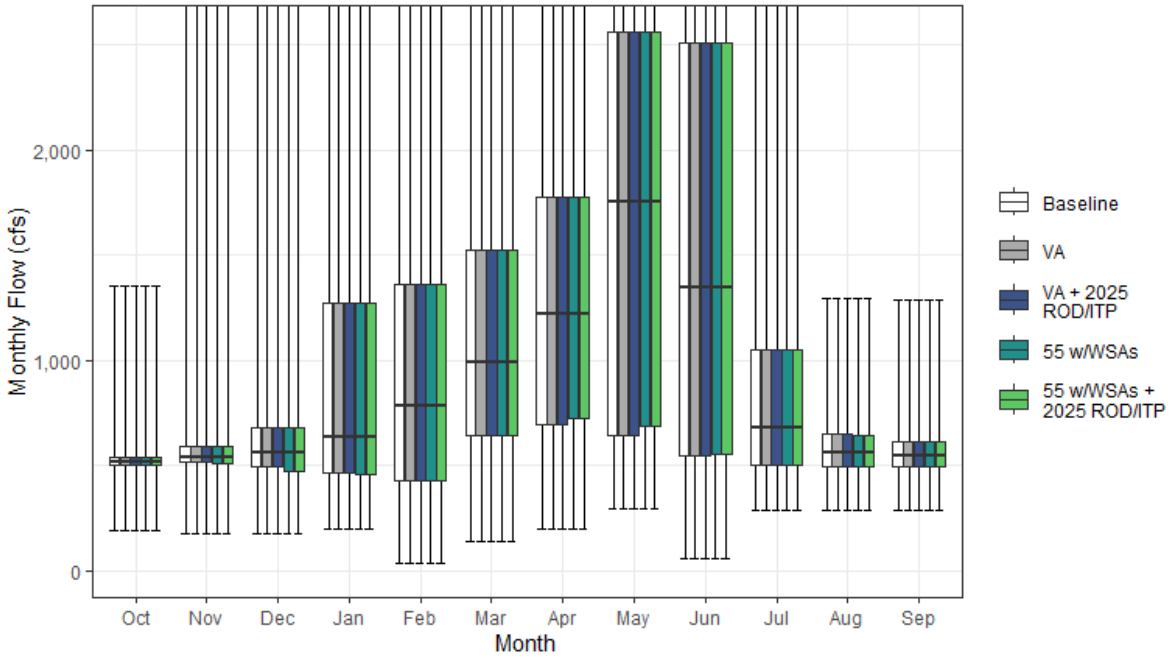

Figure H1a7-22. Mokelumne River Streamflow above Pardee Reservoir Monthly Boxplot (cfs)

Table H1a7-43. Cumulative Distribution of Monthly Flow (cfs) — Mokelumne River above Pardee Reservoir (SWRCB Pardee Inflow)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	192	178	179	196	33	136	201	295	60	287	285	288	165
10%	347	238	310	270	264	362	347	341	499	493	475	409	301
25%	504	513	493	466	431	642	694	645	546	505	496	497	412
50%	519	541	564	636	785	989	1,224	1,756	1,343	677	563	550	656
75%	539	593	681	1,269	1,360	1,523	1,773	2,561	2,509	1,048	648	616	961
90%	554	792	1,660	1,926	2,128	2,149	2,194	3,265	3,472	1,435	786	724	1,252
100%	1,356	3,382	3,947	5,738	6,921	3,360	4,481	5,075	6,506	3,644	1,297	1,285	1,947
Mean	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568	722
VA													
0%	192	178	179	196	33	136	201	295	60	287	285	288	165
10%	347	238	310	270	264	362	347	341	499	493	475	409	301
25%	504	513	493	466	431	642	694	645	546	505	496	497	412
50%	519	541	564	636	785	989	1,224	1,756	1,343	677	563	550	656
75%	539	593	681	1,269	1,360	1,523	1,773	2,561	2,509	1,048	648	616	961
90%	554	792	1,660	1,926	2,128	2,150	2,194	3,264	3,472	1,435	786	724	1,252
100%	1,356	3,382	3,947	5,738	6,920	3,360	4,481	5,075	6,506	3,644	1,297	1,285	1,947
Mean	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568	722
VA + 2025 ROD/ITP													
0%	192	178	179	196	33	136	201	295	60	287	285	288	165
10%	347	238	310	270	264	362	347	341	499	493	475	409	301
25%	504	513	493	466	431	642	694	645	546	505	496	497	412
50%	519	541	564	636	785	989	1,224	1,756	1,343	677	563	550	656
75%	539	593	681	1,269	1,360	1,523	1,773	2,561	2,509	1,048	648	616	961
90%	554	792	1,660	1,926	2,128	2,149	2,194	3,264	3,472	1,435	786	724	1,252
100%	1,356	3,382	3,947	5,738	6,921	3,360	4,481	5,075	6,506	3,644	1,297	1,285	1,947
Mean	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568	722
55 w/WSAs													
0%	192	178	179	196	33	136	201	295	60	287	285	288	165
10%	335	232	297	270	264	362	398	484	496	493	427	371	293
25%	503	510	472	455	429	642	723	690	552	505	496	497	417
50%	519	537	564	636	785	989	1,224	1,756	1,343	677	563	549	656
75%	539	590	681	1,269	1,360	1,523	1,773	2,561	2,509	1,048	646	616	961
90%	554	792	1,660	1,926	2,128	2,149	2,194	3,264	3,470	1,435	786	724	1,252
100%	1,356	3,382	3,947	5,738	6,920	3,459	4,481	5,075	6,506	3,644	1,297	1,285	1,947
Mean	504	590	797	970	1,052	1,156	1,326	1,790	1,773	859	591	567	722
55 w/WSAs + 2025 ROD/ITP													
0%	192	178	179	196	33	136	201	295	60	287	285	288	165
10%	335	232	297	270	264	362	399	484	496	493	427	371	293
25%	503	510	472	455	429	642	723	690	552	505	496	497	417
50%	519	537	564	636	785	989	1,224	1,756	1,343	677	563	549	656
75%	539	590	681	1,269	1,360	1,523	1,773	2,561	2,509	1,048	646	616	961
90%	554	792	1,660	1,926	2,128	2,150	2,194	3,264	3,470	1,435	786	724	1,252
100%	1,356	3,382	3,947	5,738	6,920	3,459	4,481	5,075	6,506	3,644	1,297	1,285	1,947
Mean	504	590	797	970	1,052	1,156	1,326	1,790	1,773	859	591	567	722

Table H1a7-44. Water Year Average of Monthly Flows (cfs) — Mokelumne River above Pardee Reservoir (SWRCB Pardee Inflow)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	465	411	385	342	281	367	363	430	522	421	393	385
D	479	519	549	484	588	770	849	957	930	555	507	507
BN	494	548	599	664	896	1,021	1,258	1,515	1,440	705	563	546
AN	490	732	835	1,258	1,260	1,496	1,509	2,230	1,887	895	600	592
W	571	735	1,316	1,747	1,828	1,804	2,105	3,082	3,230	1,408	777	716
All	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568
VA												
C	465	411	385	342	281	367	363	430	522	421	393	385
D	479	519	549	484	588	770	849	957	929	555	507	507
BN	494	548	599	664	896	1,021	1,258	1,515	1,440	705	563	546
AN	490	732	835	1,258	1,260	1,497	1,509	2,230	1,887	895	600	592
W	571	735	1,316	1,747	1,828	1,804	2,105	3,082	3,230	1,408	777	716
All	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568
VA + 2025 ROD/ITP												
C	465	411	385	342	281	367	363	430	522	421	393	385
D	479	519	549	484	588	770	849	957	929	555	507	507
BN	494	548	599	664	896	1,021	1,258	1,515	1,440	705	563	546
AN	490	732	835	1,258	1,260	1,497	1,509	2,230	1,887	895	600	592
W	571	735	1,316	1,747	1,828	1,804	2,105	3,082	3,230	1,408	777	716
All	509	598	799	972	1,055	1,154	1,310	1,777	1,775	862	593	568
55 w/WSAs												
C	446	406	379	344	281	369	381	449	526	419	393	389
D	480	505	546	481	570	770	887	998	918	546	499	496
BN	494	539	597	664	896	1,021	1,274	1,518	1,440	705	563	546
AN	487	732	831	1,253	1,260	1,496	1,520	2,220	1,884	895	599	591
W	565	726	1,317	1,743	1,832	1,807	2,105	3,086	3,232	1,408	777	716
All	504	590	797	970	1,052	1,156	1,326	1,790	1,773	859	591	567
55 w/WSAs + 2025 ROD/ITP												
C	446	406	379	344	281	369	381	449	526	419	393	389
D	480	505	546	481	570	770	887	998	918	546	499	496
BN	494	539	597	664	896	1,021	1,274	1,518	1,440	705	563	546
AN	487	732	831	1,253	1,260	1,496	1,520	2,220	1,884	895	599	591
W	565	726	1,317	1,743	1,832	1,807	2,105	3,086	3,232	1,408	777	716
All	504	590	797	970	1,052	1,156	1,326	1,790	1,773	859	591	567

H1a7.2.23 Mokelumne River below Camanche Reservoir (SWRCB Camanche)

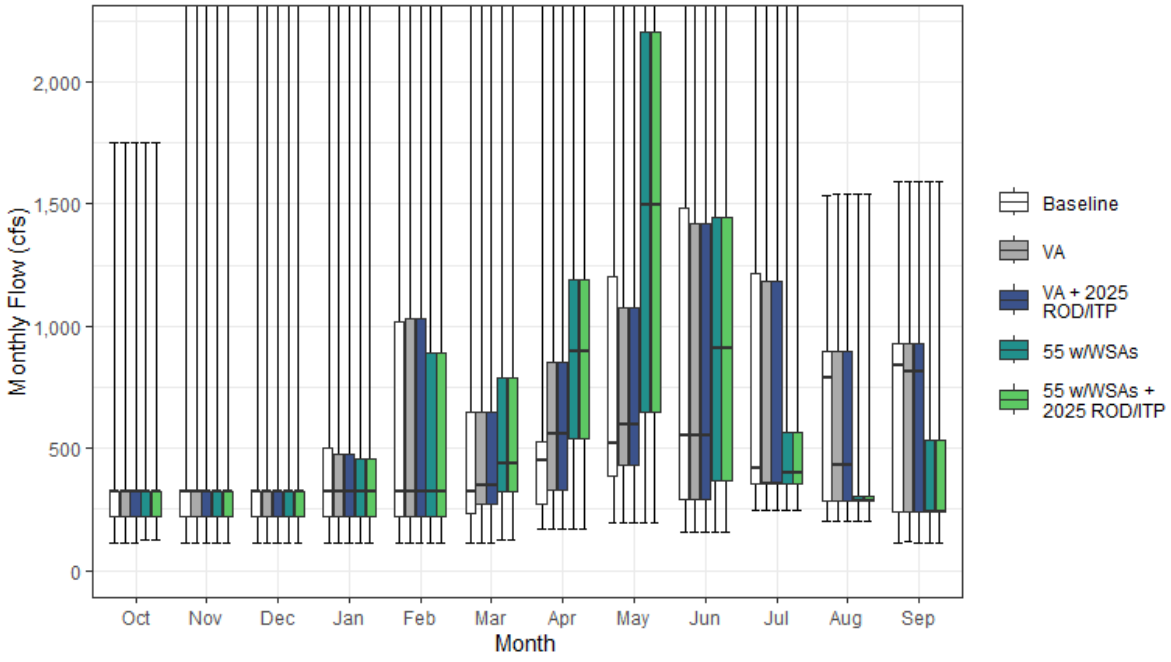

Figure H1a7-23. Mokelumne River Streamflow below Camanche Reservoir Monthly Boxplot (cfs)

Table H1a7-45. Cumulative Distribution of Monthly Flow (cfs) — Mokelumne River below Camanche Reservoir (SWRCB Camanche)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	115	115	115	115	115	116	169	198	157	245	204	115	116
10%	220	220	220	220	220	220	170	198	234	286	233	190	172
25%	220	221	220	220	221	235	270	388	292	355	287	239	224
50%	326	326	325	325	326	325	450	518	553	417	787	838	345
75%	326	326	326	503	1,018	649	526	1,204	1,481	1,214	895	929	700
90%	552	409	1,683	1,977	2,173	1,629	1,819	2,617	2,153	1,559	1,021	1,040	1,028
100%	1,754	4,173	3,898	6,084	7,128	3,423	4,346	4,141	4,432	2,999	1,537	1,593	1,751
Mean	343	388	590	723	791	624	655	992	959	808	619	630	490
VA													
0%	115	115	115	115	115	116	169	198	156	245	204	116	122
10%	220	220	220	220	220	220	170	198	234	286	233	190	175
25%	220	220	220	220	220	275	327	430	292	355	287	239	235
50%	326	325	325	325	325	350	558	599	553	356	434	814	346
75%	326	326	326	478	1,032	649	850	1,073	1,418	1,186	895	928	700
90%	551	409	1,683	1,975	2,173	1,630	1,819	2,619	2,153	1,559	1,021	1,040	1,022
100%	1,754	4,173	3,898	6,083	7,128	3,422	4,348	4,137	4,432	2,998	1,538	1,592	1,751
Mean	343	385	586	716	792	638	738	999	931	787	605	619	491
VA + 2025 ROD/ITP													
0%	115	115	115	115	115	116	169	198	156	245	204	116	122
10%	220	220	220	220	220	220	170	198	234	286	233	190	175
25%	220	220	220	220	221	275	327	430	292	355	287	239	235
50%	326	325	325	325	325	350	558	599	553	356	434	814	346
75%	326	326	326	479	1,032	649	850	1,073	1,418	1,186	895	928	700
90%	552	409	1,683	1,975	2,173	1,629	1,819	2,619	2,153	1,559	1,022	1,039	1,022
100%	1,754	4,173	3,898	6,085	7,129	3,440	4,345	4,137	4,433	2,998	1,538	1,592	1,751
Mean	343	385	587	716	792	638	738	1,000	931	787	605	618	491
55 w/WSAs													
0%	124	115	115	115	115	127	169	198	156	245	204	115	150
10%	220	220	220	220	220	220	244	333	234	286	233	190	172
25%	220	220	220	220	221	325	539	649	368	356	287	239	279
50%	326	325	325	325	325	439	899	1,497	912	402	287	240	379
75%	326	326	326	458	893	792	1,191	2,204	1,448	566	307	533	692
90%	546	331	1,531	1,950	1,884	1,630	1,877	2,790	2,549	1,145	997	1,040	1,006
100%	1,754	3,888	3,898	6,085	7,129	3,517	4,346	4,270	4,432	2,998	1,538	1,592	1,688
Mean	326	369	555	698	750	691	980	1,559	1,078	585	424	431	510
55 w/WSAs + 2025 ROD/ITP													
0%	124	115	115	115	115	127	169	198	156	245	204	115	150
10%	220	220	220	220	220	220	244	333	234	286	233	190	172
25%	220	220	220	220	221	325	539	649	368	356	287	239	279
50%	326	325	325	325	325	439	899	1,497	912	402	287	240	379
75%	326	326	326	458	893	792	1,191	2,204	1,448	566	307	532	692
90%	546	331	1,530	1,950	1,884	1,630	1,876	2,790	2,549	1,145	997	1,040	1,006
100%	1,754	3,889	3,898	6,085	7,129	3,517	4,345	4,270	4,432	2,998	1,538	1,592	1,687
Mean	326	369	555	698	750	691	980	1,560	1,078	585	424	431	510

Table H1a7-46. Water Year Average of Monthly Flows (cfs) — Mokelumne River below Camanche Reservoir (SWRCB Camanche)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	263	249	248	248	248	249	205	269	236	282	230	189
D	279	285	268	268	268	270	297	450	371	393	331	291
BN	351	328	388	336	435	377	466	606	725	635	548	631
AN	292	611	588	788	806	696	556	972	1,006	925	770	851
W	449	486	1,138	1,530	1,683	1,213	1,317	2,029	1,905	1,454	1,021	1,025
All	343	388	590	723	791	624	655	992	959	808	619	630
VA												
C	269	247	246	246	246	254	216	277	236	282	230	189
D	279	285	268	268	268	293	361	488	371	380	331	287
BN	351	324	384	332	441	398	531	651	669	624	548	589
AN	286	605	582	765	814	695	693	1,013	939	860	720	829
W	447	483	1,131	1,520	1,681	1,224	1,441	1,975	1,877	1,430	995	1,025
All	343	385	586	716	792	638	738	999	931	787	605	619
VA + 2025 ROD/ITP												
C	269	247	246	246	246	254	216	277	236	282	230	189
D	279	285	268	268	268	293	361	488	371	380	331	287
BN	351	324	384	332	441	398	531	651	669	624	548	589
AN	285	605	582	765	814	694	693	1,013	939	860	720	828
W	447	483	1,131	1,520	1,681	1,225	1,441	1,976	1,877	1,430	995	1,025
All	343	385	587	716	792	638	738	1,000	931	787	605	618
55 w/WSAs												
C	260	247	246	246	247	260	254	310	244	282	230	189
D	271	278	269	272	274	347	650	934	520	366	280	232
BN	340	309	369	321	423	489	970	1,390	882	417	290	272
AN	265	561	563	700	775	754	1,056	1,938	1,143	566	421	490
W	416	462	1,043	1,489	1,565	1,274	1,586	2,640	2,030	1,022	718	784
All	326	369	555	698	750	691	980	1,559	1,078	585	424	431
55 w/WSAs + 2025 ROD/ITP												
C	261	247	246	246	247	260	254	310	244	282	230	189
D	271	278	269	272	274	347	650	934	520	366	280	232
BN	340	309	369	321	423	489	970	1,390	882	417	290	272
AN	265	561	563	700	775	755	1,056	1,938	1,143	566	421	490
W	416	462	1,043	1,489	1,565	1,274	1,586	2,641	2,030	1,022	718	784
All	326	369	555	698	750	691	980	1,560	1,078	585	424	431

H1a7.2.24 Mokelumne River above Confluence with Delta (SWRCB Mokelumne River)

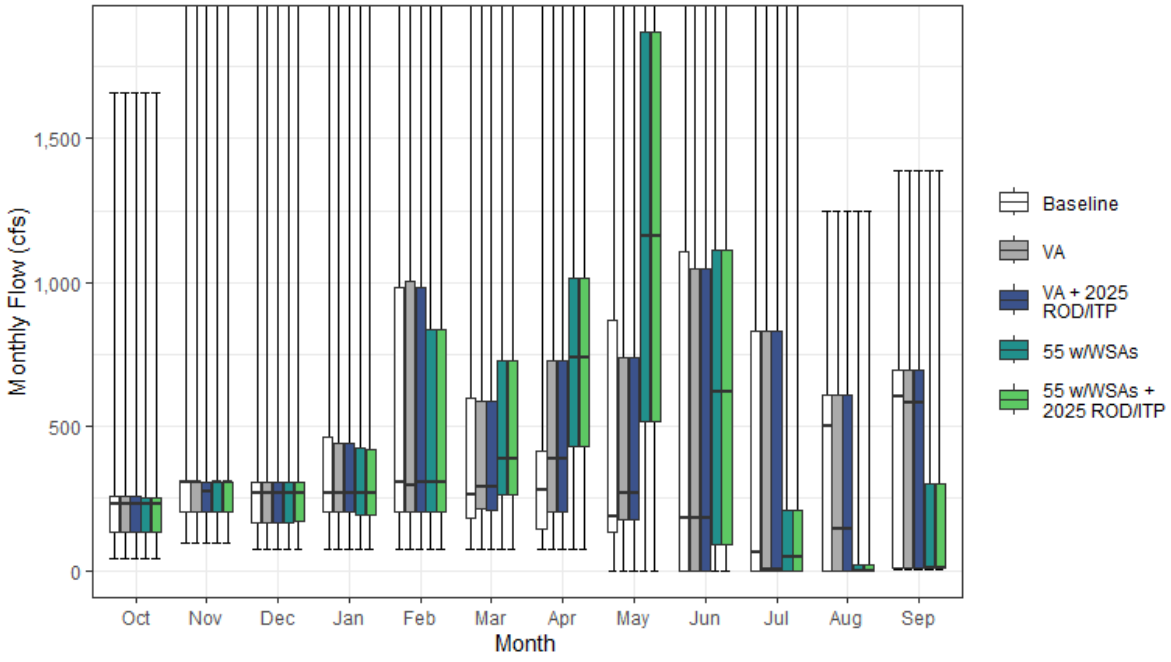

Figure H1a7-24. Mokelumne River Streamflow above Confluence with Delta Monthly Boxplot (cfs)

Table H1a7-47. Cumulative Distribution of Monthly Flow (cfs) — Mokelumne River above Confluence with Delta (SWRCB Mokelumne River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	42	97	75	75	75	75	72	0	0	0	0	2	35
10%	125	177	162	163	164	140	73	1	0	0	0	7	79
25%	136	202	164	205	204	184	147	135	1	1	0	7	116
50%	231	305	267	268	308	263	279	186	182	62	499	605	226
75%	260	306	308	465	985	596	415	871	1,108	830	608	699	578
90%	473	357	1,634	1,932	2,137	1,556	1,707	2,301	1,779	1,123	734	828	901
100%	1,658	4,108	3,879	6,063	7,106	3,359	4,240	3,806	4,057	2,561	1,250	1,390	1,629
Mean	256	359	549	681	758	556	528	692	636	450	343	413	375
VA													
0%	42	97	75	75	75	75	72	0	0	0	0	2	41
10%	125	175	162	163	164	148	73	1	0	0	0	7	81
25%	136	202	164	203	205	217	204	178	1	0	0	7	120
50%	231	305	267	268	297	288	387	267	182	2	147	581	228
75%	260	306	308	441	1,004	586	730	740	1,045	830	608	698	579
90%	472	352	1,641	1,925	2,142	1,555	1,707	2,303	1,780	1,123	734	828	895
100%	1,658	4,108	3,879	6,062	7,106	3,345	4,243	3,802	4,057	2,560	1,250	1,390	1,629
Mean	256	356	544	674	759	571	611	700	611	431	329	401	376
VA + 2025 ROD/ITP													
0%	42	97	75	76	75	75	72	0	0	0	0	2	41
10%	125	179	162	163	164	157	73	1	0	0	0	7	80
25%	136	202	164	203	204	209	204	178	1	0	0	7	122
50%	231	274	267	268	306	291	387	267	182	2	147	581	226
75%	260	306	308	442	984	586	730	740	1,045	830	607	698	579
90%	473	350	1,647	1,925	2,134	1,536	1,707	2,303	1,780	1,123	734	827	895
100%	1,658	4,108	3,879	6,064	7,106	3,386	4,240	3,802	4,057	2,560	1,250	1,390	1,625
Mean	256	354	542	675	758	571	611	700	611	430	329	401	375
55 w/WSAs													
0%	42	98	75	75	75	75	72	0	0	0	0	2	64
10%	125	200	162	163	179	156	147	135	0	0	0	7	79
25%	132	201	164	192	205	263	429	518	92	1	0	7	177
50%	231	305	267	268	307	385	742	1,164	620	46	1	8	268
75%	251	306	308	427	835	730	1,018	1,870	1,115	210	20	300	567
90%	465	312	1,504	1,915	1,839	1,570	1,725	2,455	2,175	718	709	828	882
100%	1,658	3,855	3,878	6,064	7,106	3,446	4,240	3,935	4,057	2,560	1,250	1,390	1,564
Mean	238	347	517	655	715	631	853	1,276	772	236	148	212	398
55 w/WSAs + 2025 ROD/ITP													
0%	42	98	75	75	75	75	72	0	0	0	0	2	67
10%	125	200	162	165	164	161	147	135	0	0	0	7	78
25%	132	201	171	194	204	263	429	518	92	1	0	7	177
50%	231	305	267	268	304	385	742	1,164	620	46	1	8	268
75%	251	306	308	419	834	730	1,018	1,870	1,115	210	20	300	566
90%	465	312	1,504	1,914	1,844	1,568	1,725	2,455	2,175	718	709	828	882
100%	1,659	3,824	3,879	6,064	7,106	3,423	4,240	3,935	4,057	2,560	1,250	1,390	1,563
Mean	238	346	518	656	714	632	852	1,276	772	236	148	212	398

Table H1a7-48. Water Year Average of Monthly Flows (cfs) — Mokelumne River above Confluence with Delta (SWRCB Mokelumne River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	176	229	204	203	217	204	105	59	1	1	2	6
D	192	257	225	226	239	201	158	158	81	47	52	72
BN	267	304	347	289	399	306	320	287	387	279	261	404
AN	204	578	548	742	775	612	429	639	654	542	483	630
W	361	450	1,099	1,493	1,647	1,141	1,197	1,698	1,533	1,055	734	800
All	256	359	549	681	758	556	528	692	636	450	343	413
VA												
C	181	225	203	200	213	204	116	67	1	1	2	6
D	192	257	223	229	233	219	222	199	81	35	52	68
BN	267	292	342	286	412	327	386	331	335	269	261	362
AN	198	578	544	722	778	634	566	681	587	478	433	608
W	359	449	1,088	1,481	1,648	1,152	1,320	1,645	1,509	1,033	708	800
All	256	356	544	674	759	571	611	700	611	431	329	401
VA + 2025 ROD/ITP												
C	181	225	197	201	210	210	116	67	1	1	2	6
D	192	256	218	231	235	227	222	199	81	35	52	68
BN	267	294	342	287	413	323	386	331	335	269	261	361
AN	197	571	548	721	779	628	566	681	587	478	433	607
W	358	445	1,086	1,481	1,644	1,150	1,321	1,645	1,509	1,033	708	800
All	256	354	542	675	758	571	611	700	611	430	329	401
55 w/WSAs												
C	172	227	208	197	211	212	154	117	11	1	2	6
D	183	258	233	234	242	286	516	690	236	20	0	9
BN	255	287	332	273	391	428	818	1,091	577	62	4	42
AN	178	541	530	663	742	697	923	1,604	824	204	134	269
W	327	436	1,003	1,447	1,525	1,211	1,466	2,309	1,673	642	430	557
All	238	347	517	655	715	631	853	1,276	772	236	148	212
55 w/WSAs + 2025 ROD/ITP												
C	172	227	203	199	210	215	154	117	11	1	2	6
D	183	258	238	234	238	286	516	690	236	20	0	8
BN	254	284	335	275	388	430	818	1,091	577	62	4	42
AN	178	538	531	663	743	695	923	1,604	824	204	134	269
W	327	436	1,002	1,449	1,526	1,210	1,466	2,310	1,673	642	430	557
All	238	346	518	656	714	632	852	1,276	772	236	148	212

H1a7.2.25 Paynes Creek above Confluence with Sacramento River

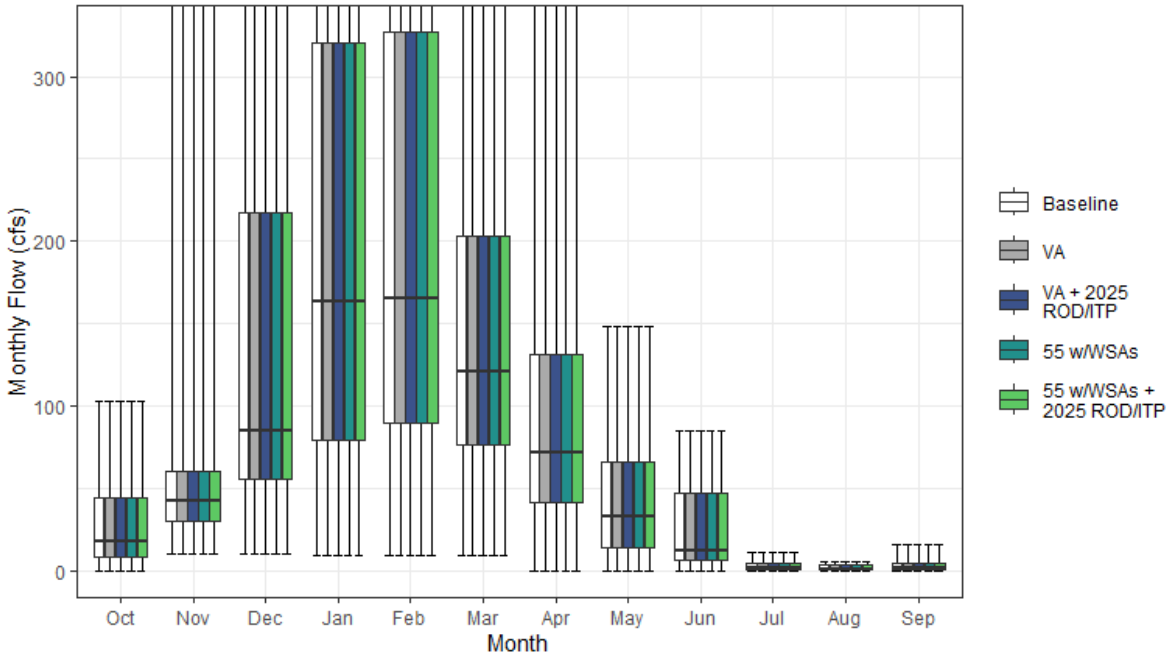

Figure H1a7-25. Paynes Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-49. Cumulative Distribution of Monthly Flow (cfs) — Paynes Creek above Confluence with Sacramento River

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	10	10	9	9	9	0	0	0	0	0	0	3
10%	5	22	36	49	64	50	23	8	3	0	0	0	23
25%	8	30	55	79	90	76	41	13	6	1	1	1	35
50%	17	43	84	164	165	121	71	33	12	2	1	2	52
75%	44	60	217	321	327	203	131	66	47	4	4	5	85
90%	48	100	371	466	477	337	183	91	53	5	4	5	110
100%	102	381	572	934	900	594	430	148	84	11	5	16	139
Mean	26	57	150	216	234	161	94	44	25	3	2	3	61
VA													
0%	0	10	10	9	9	9	0	0	0	0	0	0	3
10%	5	22	36	49	64	50	23	8	3	0	0	0	23
25%	8	30	55	79	90	76	41	13	6	1	1	1	35
50%	17	43	84	164	165	121	71	33	12	2	1	2	52
75%	44	60	217	321	327	203	131	66	47	4	4	5	85
90%	48	100	371	466	477	337	183	91	53	5	4	5	110
100%	102	381	572	934	900	594	430	148	84	11	5	16	139
Mean	26	57	150	216	234	161	94	44	25	3	2	3	61
VA + 2025 ROD/ITP													
0%	0	10	10	9	9	9	0	0	0	0	0	0	3
10%	5	22	36	49	64	50	23	8	3	0	0	0	23
25%	8	30	55	79	90	76	41	13	6	1	1	1	35
50%	17	43	84	164	165	121	71	33	12	2	1	2	52
75%	44	60	217	321	327	203	131	66	47	4	4	5	85
90%	48	100	371	466	477	337	183	91	53	5	4	5	110
100%	102	381	572	934	900	594	430	148	84	11	5	16	139
Mean	26	57	150	216	234	161	94	44	25	3	2	3	61
55 w/WSAs													
0%	0	10	10	9	9	9	0	0	0	0	0	0	3
10%	5	22	36	49	64	50	23	8	3	0	0	0	23
25%	8	30	55	79	90	76	41	13	6	1	1	1	35
50%	17	43	84	164	165	121	71	33	12	2	1	2	52
75%	44	60	217	321	327	203	131	66	47	4	4	5	85
90%	48	100	371	466	477	337	183	91	53	5	4	5	110
100%	102	381	572	934	900	594	430	148	84	11	5	16	139
Mean	26	57	150	216	234	161	94	44	25	3	2	3	61
55 w/WSAs + 2025 ROD/ITP													
0%	0	10	10	9	9	9	0	0	0	0	0	0	3
10%	5	22	36	49	64	50	23	8	3	0	0	0	23
25%	8	30	55	79	90	76	41	13	6	1	1	1	35
50%	17	43	84	164	165	121	71	33	12	2	1	2	52
75%	44	60	217	321	327	203	131	66	47	4	4	5	85
90%	48	100	371	466	477	337	183	91	53	5	4	5	110
100%	102	381	572	934	900	594	430	148	84	11	5	16	139
Mean	26	57	150	216	234	161	94	44	25	3	2	3	61

Table H1a7-50. Water Year Average of Monthly Flows (cfs) — Paynes Creek above Confluence with Sacramento River

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	14	31	61	63	70	57	22	8	2	1	0	0
D	24	51	104	95	145	117	47	18	7	1	1	1
BN	25	44	102	161	220	152	97	31	12	1	1	2
AN	23	51	119	280	294	205	105	63	40	4	3	5
W	36	86	275	397	370	237	162	84	54	5	4	5
All	26	57	150	216	234	161	94	44	25	3	2	3
VA												
C	14	31	61	63	70	57	22	8	2	1	0	0
D	24	51	104	95	145	117	47	18	7	1	1	1
BN	25	44	102	161	220	152	97	31	12	1	1	2
AN	23	51	119	280	294	205	105	63	40	4	3	5
W	36	86	275	397	370	237	162	84	54	5	4	5
All	26	57	150	216	234	161	94	44	25	3	2	3
VA + 2025 ROD/ITP												
C	14	31	61	63	70	57	22	8	2	1	0	0
D	24	51	104	95	145	117	47	18	7	1	1	1
BN	25	44	102	161	220	152	97	31	12	1	1	2
AN	23	51	119	280	294	205	105	63	40	4	3	5
W	36	86	275	397	370	237	162	84	54	5	4	5
All	26	57	150	216	234	161	94	44	25	3	2	3
55 w/WSAs												
C	14	31	61	63	70	57	22	8	2	1	0	0
D	24	51	104	95	145	117	47	18	7	1	1	1
BN	25	44	102	161	220	152	97	31	12	1	1	2
AN	23	51	119	280	294	205	105	63	40	4	3	5
W	36	86	275	397	370	237	162	84	54	5	4	5
All	26	57	150	216	234	161	94	44	25	3	2	3
55 w/WSAs + 2025 ROD/ITP												
C	14	31	61	63	70	57	22	8	2	1	0	0
D	24	51	104	95	145	117	47	18	7	1	1	1
BN	25	44	102	161	220	152	97	31	12	1	1	2
AN	23	51	119	280	294	205	105	63	40	4	3	5
W	36	86	275	397	370	237	162	84	54	5	4	5
All	26	57	150	216	234	161	94	44	25	3	2	3

H1a7.2.26 Putah Creek below Lake Berryessa (SWRCB Lake Berryessa)

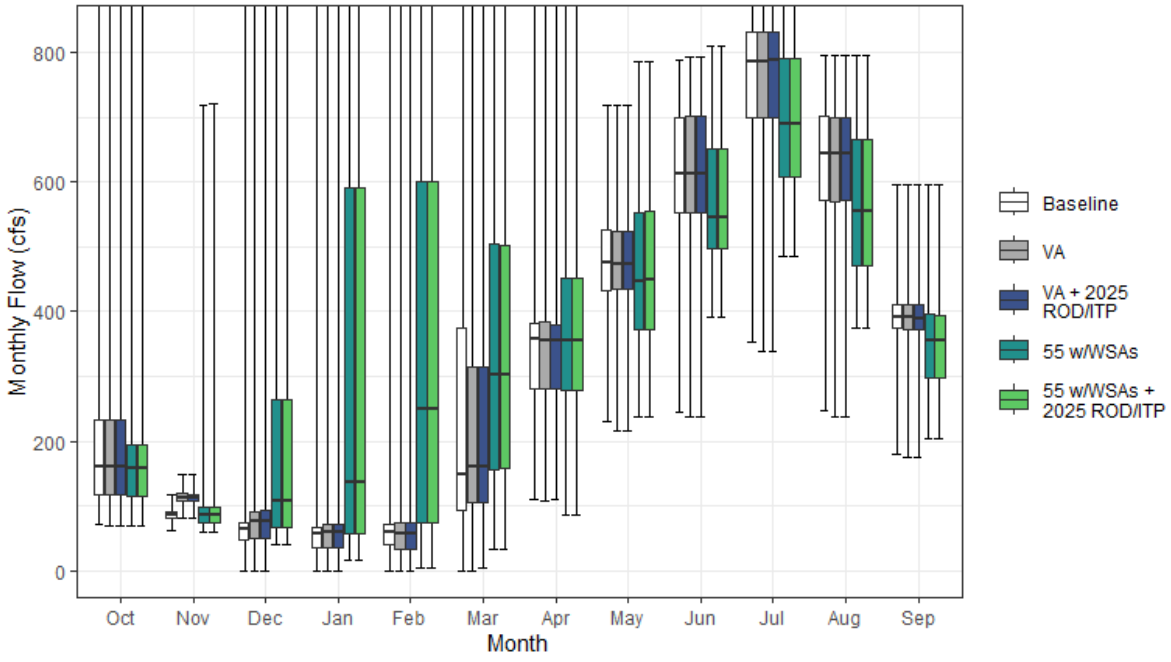

Figure H1a7-26. Putah Creek Streamflow below Lake Berryessa Monthly Boxplot (cfs)

Table H1a7-51. Cumulative Distribution of Monthly Flow (cfs) — Putah Creek below Lake Berryessa (SWRCB Lake Berryessa)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	71	63	0	0	0	0	110	229	245	352	246	180	112
10%	110	77	22	4	5	67	144	397	526	660	535	338	218
25%	117	80	47	35	39	93	280	433	552	699	572	373	225
50%	161	85	64	57	59	148	357	475	613	786	643	391	233
75%	232	92	73	67	71	375	382	526	700	831	701	410	252
90%	266	102	79	129	713	1,057	693	597	753	861	731	431	475
100%	1,246	118	2,001	5,181	6,710	6,316	3,624	719	788	954	794	596	1,050
Mean	182	87	77	214	374	462	475	481	626	765	631	388	288
VA													
0%	70	82	0	0	0	0	107	216	236	339	237	174	109
10%	110	103	22	4	4	71	144	396	526	660	536	341	221
25%	117	108	49	35	34	105	280	434	552	700	570	373	228
50%	161	113	76	59	58	160	354	472	613	786	643	390	236
75%	233	118	92	71	74	314	383	524	701	831	699	410	253
90%	265	130	97	119	713	947	693	600	753	861	731	432	455
100%	1,246	148	1,983	5,158	6,660	6,316	3,624	718	793	955	794	596	1,050
Mean	182	114	87	212	368	447	474	481	625	764	630	388	288
VA + 2025 ROD/ITP													
0%	70	82	0	0	0	3	109	216	236	339	237	174	109
10%	110	103	20	3	4	71	144	396	526	659	536	341	221
25%	117	107	49	35	33	105	280	434	552	700	570	373	228
50%	160	113	77	59	58	160	354	472	613	787	643	389	236
75%	232	117	92	71	74	314	380	524	700	831	699	410	253
90%	263	130	98	119	713	957	693	600	753	861	731	432	455
100%	1,246	148	1,983	5,159	6,667	6,316	3,624	718	793	955	794	596	1,050
Mean	182	114	87	212	368	447	474	481	625	764	630	388	288
55 w/WSAs													
0%	69	60	40	16	4	32	85	238	390	484	373	205	166
10%	92	67	54	43	47	82	225	322	433	535	441	287	178
25%	116	74	67	57	74	156	278	371	497	608	471	299	208
50%	158	86	107	136	249	303	354	448	545	690	555	354	260
75%	194	98	263	590	601	505	452	553	651	789	666	395	331
90%	238	167	716	750	750	750	680	630	732	838	711	424	422
100%	1,246	717	1,186	2,698	5,456	6,316	2,516	786	811	935	794	596	1,001
Mean	167	112	224	324	451	442	415	464	569	690	570	351	289
55 w/WSAs + 2025 ROD/ITP													
0%	69	60	40	16	4	32	85	238	390	484	373	204	166
10%	92	66	54	43	47	82	225	322	434	535	441	286	178
25%	116	74	67	57	74	158	278	371	498	608	471	298	208
50%	158	86	107	136	249	303	354	448	545	690	555	354	260
75%	194	98	263	591	601	503	452	554	651	789	666	394	331
90%	238	167	716	750	751	750	680	630	732	838	711	424	422
100%	1,246	720	1,186	2,685	5,464	6,316	2,516	786	811	935	794	596	1,001
Mean	167	112	224	324	451	442	415	464	569	690	570	351	289

Table H1a7-52. Water Year Average of Monthly Flows (cfs) — Putah Creek below Lake Berryessa (SWRCB Lake Berryessa)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	154	90	64	53	83	208	307	462	582	689	598	373
D	176	89	59	58	62	148	330	469	649	766	604	378
BN	183	85	66	45	172	150	303	476	643	776	625	382
AN	171	89	59	32	39	257	317	459	676	750	662	400
W	207	85	112	594	1,021	1,106	844	512	601	803	658	404
All	182	87	77	214	374	462	475	481	626	765	631	388
VA												
C	152	116	77	55	84	217	306	460	580	686	595	371
D	176	116	70	60	64	161	329	469	648	764	603	377
BN	182	112	78	46	166	161	303	476	643	776	625	382
AN	171	116	67	34	38	235	317	459	676	750	662	400
W	207	111	117	584	1,001	1,045	841	511	601	803	657	404
All	182	114	87	212	368	447	474	481	625	764	630	388
VA + 2025 ROD/ITP												
C	152	116	77	54	84	217	306	461	580	686	595	371
D	175	116	70	60	64	162	329	469	648	764	603	377
BN	182	112	79	45	167	161	303	476	643	776	625	382
AN	170	115	68	33	39	236	317	460	676	750	662	399
W	207	111	117	583	1,001	1,045	841	512	602	803	658	403
All	182	114	87	212	368	447	474	481	625	764	630	388
55 w/WSAs												
C	143	81	88	123	106	190	274	408	518	615	526	331
D	154	99	155	150	213	231	333	448	610	719	570	355
BN	165	87	162	197	260	220	293	397	524	630	510	310
AN	157	107	219	324	433	410	410	426	599	660	587	352
W	194	158	390	639	937	886	631	564	583	758	624	383
All	167	112	224	324	451	442	415	464	569	690	570	351
55 w/WSAs + 2025 ROD/ITP												
C	143	81	88	123	106	190	274	408	518	615	526	331
D	154	99	155	152	213	231	333	448	610	719	570	355
BN	165	87	162	197	260	220	293	397	524	630	510	310
AN	157	107	219	324	433	410	410	426	599	660	587	352
W	194	158	390	639	937	886	631	564	583	758	624	383
All	167	112	224	324	451	442	415	464	569	690	570	351

H1a7.2.27 Putah Creek above Yolo Bypass (SWRCB Putah Creek)

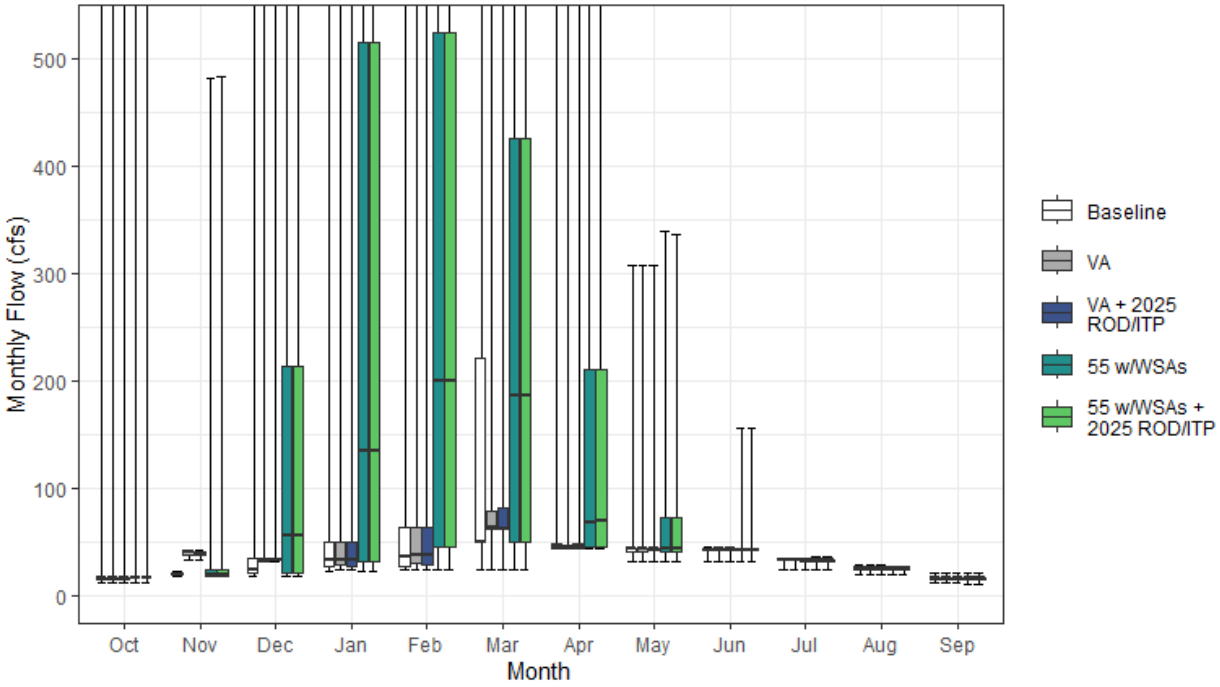

Figure H1a7-27. Putah Creek Streamflow above Yolo Bypass Monthly Boxplot (cfs)

Table H1a7-53. Cumulative Distribution of Monthly Flow (cfs) — Putah Creek above Yolo Bypass (SWRCB Putah Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	11	18	18	22	23	24	43	31	31	24	19	11	18
10%	14	18	20	23	23	50	43	33	33	25	20	12	21
25%	15	19	20	26	26	50	44	40	42	32	25	14	23
50%	16	20	24	33	36	50	46	43	43	33	26	16	24
75%	17	21	34	50	63	221	48	44	44	34	27	17	49
90%	17	21	50	253	600	934	392	45	44	34	27	17	268
100%	942	23	1,488	4,832	6,200	5,724	3,391	307	45	34	28	21	773
Mean	26	20	47	198	333	351	226	46	42	32	25	15	81
VA													
0%	11	33	32	24	23	24	43	31	31	24	19	11	19
10%	14	37	32	27	28	62	43	39	39	30	24	14	24
25%	15	38	32	28	29	62	43	41	42	32	25	14	25
50%	16	40	33	33	37	63	46	43	43	33	26	16	26
75%	17	40	34	50	63	79	47	44	44	34	27	16	43
90%	17	41	50	248	600	827	392	44	44	34	27	17	241
100%	942	41	1,475	4,812	6,155	5,724	3,391	307	45	34	28	21	773
Mean	26	39	54	196	327	338	225	46	42	32	25	15	81
VA + 2025 ROD/ITP													
0%	11	33	32	24	23	24	43	32	31	24	19	11	19
10%	14	37	32	27	28	62	43	39	39	30	24	14	24
25%	14	38	32	27	29	62	43	42	42	32	25	14	25
50%	16	40	34	32	37	62	46	43	43	33	26	16	26
75%	16	40	35	50	63	81	47	44	44	34	27	16	42
90%	17	41	51	246	600	831	392	45	44	34	27	17	241
100%	942	41	1,475	4,813	6,162	5,724	3,391	307	45	34	28	21	773
Mean	25	39	54	195	327	338	225	46	42	32	25	15	81
55 w/WSAs													
0%	11	18	18	22	23	24	43	31	31	24	19	11	19
10%	14	18	19	23	28	50	43	40	40	31	25	14	22
25%	16	18	21	31	46	50	44	40	42	31	25	15	30
50%	16	20	55	134	200	186	68	43	42	32	25	16	70
75%	16	24	214	516	524	426	210	72	44	33	26	16	127
90%	17	83	531	692	746	683	508	155	46	34	27	17	189
100%	954	481	900	2,610	5,078	5,724	2,324	339	156	36	28	21	723
Mean	26	43	157	300	406	341	193	72	45	32	25	15	99
55 w/WSAs + 2025 ROD/ITP													
0%	11	18	18	22	23	24	43	31	31	24	19	11	19
10%	14	18	19	24	28	50	43	40	41	31	25	14	22
25%	16	18	21	31	46	50	45	40	41	31	25	15	30
50%	16	20	55	134	200	186	69	43	42	32	25	16	70
75%	17	24	214	516	524	426	210	72	44	33	26	16	127
90%	17	83	531	692	746	683	508	155	46	34	27	17	188
100%	954	484	900	2,598	5,085	5,724	2,324	336	156	36	28	21	723
Mean	26	43	157	300	406	341	193	72	46	32	25	15	99

Table H1a7-54. Water Year Average of Monthly Flows (cfs) — Putah Creek above Yolo Bypass (SWRCB Putah Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	15	20	27	35	35	48	45	39	39	30	24	14
D	16	20	29	29	35	49	46	42	42	32	26	16
BN	17	20	24	37	143	78	46	41	41	32	25	15
AN	16	20	36	57	55	190	47	65	42	33	26	16
W	49	20	90	566	942	971	640	47	43	33	26	15
All	26	20	47	198	333	351	226	46	42	32	25	15
VA												
C	15	39	37	37	36	56	46	39	39	30	24	14
D	16	40	37	31	36	60	45	42	43	32	26	16
BN	17	39	33	37	137	88	46	42	41	32	25	15
AN	16	39	42	58	54	171	47	65	43	33	26	16
W	48	39	94	556	924	916	636	47	43	33	25	15
All	26	39	54	196	327	338	225	46	42	32	25	15
VA + 2025 ROD/ITP												
C	15	39	37	37	36	56	46	40	39	30	24	14
D	15	40	37	31	36	61	45	43	42	32	26	16
BN	16	39	33	37	137	87	46	41	41	32	25	15
AN	15	38	42	57	55	172	47	65	43	33	26	15
W	48	39	94	556	924	917	636	47	44	33	25	15
All	25	39	54	195	327	338	225	46	42	32	25	15
55 w/WSAs												
C	15	19	48	103	63	50	44	39	39	30	24	14
D	16	33	103	116	174	134	63	44	41	31	25	15
BN	17	26	98	177	228	144	83	44	40	31	25	15
AN	17	37	155	321	412	331	166	80	43	33	26	16
W	50	76	294	610	870	778	448	124	56	33	26	16
All	26	43	157	300	406	341	193	72	45	32	25	15
55 w/WSAs + 2025 ROD/ITP												
C	15	19	48	103	63	50	44	39	39	30	24	14
D	16	33	103	117	174	134	63	44	41	31	25	15
BN	17	26	98	177	228	144	84	45	41	31	25	15
AN	17	37	155	322	412	331	166	80	43	33	26	16
W	50	76	293	609	870	778	447	124	56	33	26	16
All	26	43	157	300	406	341	193	72	46	32	25	15

H1a7.2.28 Sacramento River below Shasta Reservoir (SWRCB Shasta)

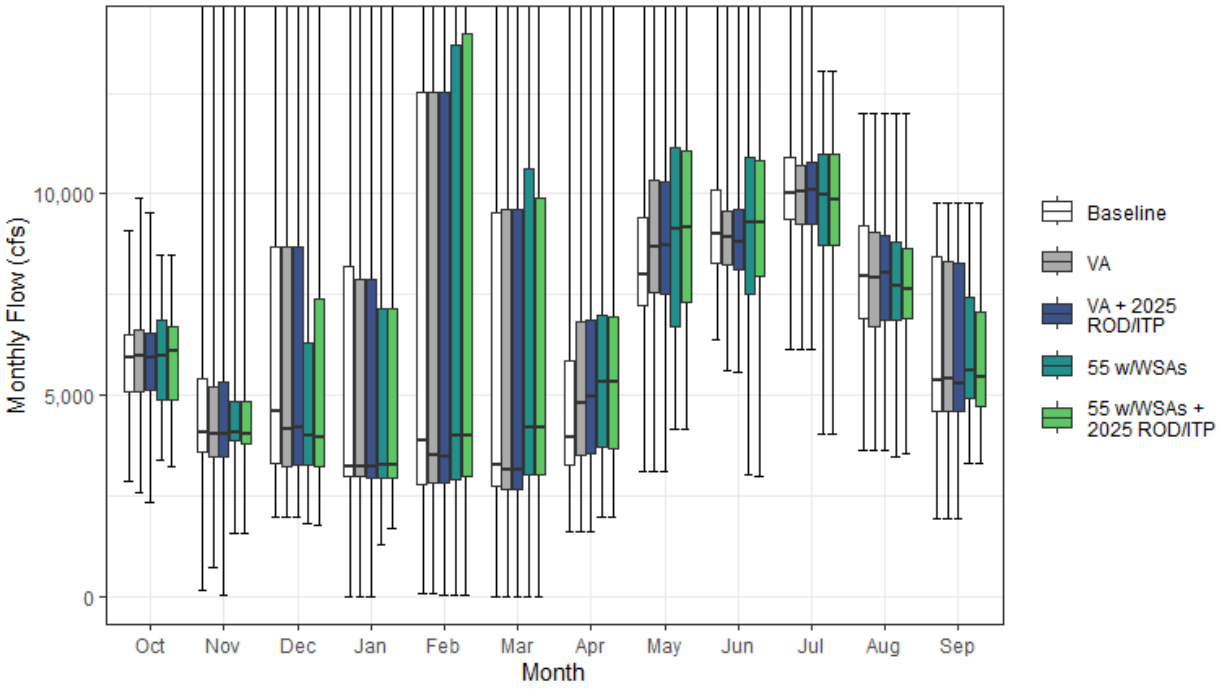

Figure H1a7-28. Sacramento River Streamflow below Shasta Reservoir Monthly Boxplot (cfs)

Table H1a7-55. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River below Shasta Reservoir (SWRCB Shasta)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	2,850	145	1,959	0	55	0	1,594	3,107	6,371	6,144	3,629	1,943	3,206
10%	4,291	3,249	3,027	2,327	1,749	2,143	3,195	6,062	7,752	8,330	5,805	3,978	3,743
25%	5,076	3,585	3,286	2,964	2,781	2,731	3,253	7,232	8,262	9,388	6,919	4,585	4,110
50%	5,946	4,080	4,591	3,231	3,877	3,260	3,947	7,994	9,027	10,010	7,965	5,355	4,886
75%	6,515	5,419	8,695	8,198	12,512	9,533	5,873	9,425	10,108	10,904	9,201	8,460	6,476
90%	7,063	7,881	16,111	18,606	28,490	17,885	10,912	10,992	11,973	12,755	10,814	8,947	8,291
100%	9,105	26,467	27,665	48,623	50,252	44,066	28,864	17,628	29,676	16,013	12,022	9,772	10,669
Mean	5,784	4,947	7,085	7,369	9,707	7,549	5,858	8,361	9,524	10,253	8,083	6,181	5,472
VA													
0%	2,571	732	1,959	0	55	0	1,594	3,093	5,623	6,144	3,629	1,943	3,188
10%	4,126	3,201	2,967	2,255	1,848	2,060	3,196	5,914	7,510	8,251	5,762	3,910	3,774
25%	5,087	3,481	3,241	2,964	2,831	2,642	3,507	7,539	8,234	9,254	6,702	4,609	4,018
50%	5,958	4,025	4,170	3,230	3,502	3,148	4,821	8,688	8,939	10,062	7,917	5,413	4,861
75%	6,622	5,218	8,705	7,885	12,512	9,620	6,816	10,327	9,586	10,719	9,045	8,335	6,494
90%	7,072	6,683	16,111	18,606	28,509	17,885	12,122	11,363	11,257	12,290	10,747	8,883	8,084
100%	9,890	26,467	27,665	48,623	49,683	44,066	28,864	20,583	29,676	14,652	12,022	9,772	10,669
Mean	5,828	4,779	6,861	7,313	9,618	7,447	6,443	8,776	9,314	10,151	8,035	6,166	5,474
VA + 2025 ROD/ITP													
0%	2,317	23	1,959	0	15	0	1,594	3,095	5,565	6,144	3,629	1,942	3,179
10%	4,231	3,245	2,978	2,252	1,910	1,997	3,233	5,956	7,507	8,211	5,918	3,844	3,725
25%	5,128	3,486	3,263	2,946	2,815	2,642	3,561	7,492	8,128	9,235	6,869	4,594	4,083
50%	5,917	4,028	4,179	3,228	3,478	3,148	4,972	8,711	8,805	10,087	8,038	5,307	4,861
75%	6,540	5,329	8,705	7,885	12,512	9,620	6,869	10,285	9,626	10,788	8,948	8,300	6,461
90%	7,050	7,298	16,306	18,606	28,490	18,026	12,122	11,373	11,554	12,269	10,747	8,783	8,024
100%	9,521	26,467	27,665	48,623	49,683	44,262	28,864	20,583	29,676	15,189	12,022	9,772	10,669
Mean	5,780	4,844	6,902	7,314	9,545	7,468	6,477	8,785	9,378	10,142	8,078	5,980	5,472
55 w/WSAs													
0%	3,375	1,565	1,798	1,298	20	0	1,986	4,164	3,004	4,028	3,481	3,292	2,809
10%	4,008	3,354	3,024	2,416	2,289	2,700	3,252	5,572	6,604	5,922	5,884	4,468	3,507
25%	4,874	3,877	3,255	2,959	2,919	3,012	3,703	6,713	7,523	8,709	6,869	4,911	4,098
50%	5,960	4,080	4,011	3,246	3,995	4,198	5,344	9,128	9,302	9,977	7,696	5,613	4,905
75%	6,850	4,825	6,296	7,143	13,692	10,637	6,971	11,154	10,917	10,995	8,822	7,443	6,584
90%	7,287	5,875	14,294	18,153	28,708	18,031	10,673	12,212	12,101	11,715	10,031	8,640	8,066
100%	8,483	24,203	27,665	48,623	49,683	44,066	28,864	17,628	29,676	13,053	12,022	9,772	10,669
Mean	5,843	4,606	6,357	7,219	9,825	8,037	6,603	9,088	9,461	9,467	7,875	6,225	5,465
55 w/WSAs + 2025 ROD/ITP													
0%	3,231	1,569	1,758	1,686	20	0	1,986	4,164	2,996	4,033	3,566	3,295	2,888
10%	4,000	3,353	3,010	2,413	2,293	2,697	3,251	5,633	6,653	5,934	5,779	4,261	3,508
25%	4,878	3,801	3,239	2,959	2,964	3,013	3,680	7,314	7,968	8,711	6,916	4,709	4,163
50%	6,084	4,030	3,966	3,248	3,995	4,188	5,331	9,190	9,295	9,863	7,647	5,450	4,897
75%	6,704	4,826	7,394	7,142	13,981	9,909	6,931	11,055	10,812	11,006	8,640	7,047	6,540
90%	7,281	5,875	14,463	18,445	28,708	18,031	10,673	12,213	11,994	11,788	10,398	8,535	8,058
100%	8,465	26,018	27,665	48,623	49,683	44,066	28,864	17,628	29,676	13,063	12,022	9,772	10,669
Mean	5,853	4,636	6,440	7,279	9,830	7,972	6,578	9,173	9,487	9,517	7,855	5,978	5,465

Table H1a7-56. Water Year Average of Monthly Flows (cfs) — Sacramento River below Shasta Reservoir (SWRCB Shasta)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	5,153	4,089	4,399	3,520	2,477	3,511	4,173	7,747	9,134	8,727	7,523	4,898
D	6,119	4,289	4,682	3,325	2,901	3,575	3,966	7,955	10,298	10,046	7,327	4,391
BN	5,736	4,529	5,217	3,492	7,522	3,616	4,264	7,746	9,764	11,466	7,694	4,968
AN	5,584	5,331	5,659	6,910	13,925	8,866	4,934	9,192	8,685	11,685	7,164	7,440
W	5,985	5,999	12,034	15,028	18,250	14,580	9,525	9,044	9,348	9,877	9,550	8,444
All	5,784	4,947	7,085	7,369	9,707	7,549	5,858	8,361	9,524	10,253	8,083	6,181
VA												
C	5,536	3,810	4,130	3,145	2,347	3,143	4,199	8,035	8,791	8,672	7,345	5,039
D	5,931	4,304	4,733	3,325	2,846	3,470	5,050	8,726	10,215	10,281	7,533	4,720
BN	5,781	4,346	5,052	3,460	7,333	3,612	5,208	8,422	9,351	10,956	7,610	4,629
AN	5,685	5,035	5,321	6,915	13,943	8,806	6,367	9,755	8,154	11,222	6,674	6,936
W	5,996	5,815	11,638	15,060	18,178	14,546	9,474	9,040	9,372	9,905	9,583	8,493
All	5,828	4,779	6,861	7,313	9,618	7,447	6,443	8,776	9,314	10,151	8,035	6,166
VA + 2025 ROD/ITP												
C	5,107	3,914	4,242	3,244	2,368	3,199	4,211	8,024	8,889	8,644	7,493	5,035
D	5,986	4,250	4,681	3,313	2,775	3,476	5,040	8,699	10,468	10,286	7,658	4,751
BN	5,785	4,435	5,104	3,424	7,181	3,612	5,351	8,462	9,357	10,929	7,553	4,695
AN	5,541	5,164	5,289	6,932	13,926	8,743	6,440	9,835	8,100	11,223	6,740	5,909
W	6,080	5,905	11,733	15,036	18,083	14,605	9,467	9,040	9,364	9,905	9,566	8,227
All	5,780	4,844	6,902	7,314	9,545	7,468	6,477	8,785	9,378	10,142	8,078	5,980
55 w/WSAs												
C	5,500	3,982	3,388	3,071	2,664	3,489	3,910	5,872	6,416	5,620	6,794	5,818
D	5,605	4,248	4,460	3,495	2,944	4,180	5,432	8,095	8,297	9,691	7,807	5,093
BN	6,046	4,437	5,123	3,422	7,437	4,877	5,360	9,523	10,223	10,938	7,988	5,069
AN	5,711	4,173	5,358	6,603	15,240	9,313	5,504	11,233	10,589	10,331	6,947	7,296
W	6,125	5,481	10,513	14,813	18,036	14,783	10,127	10,399	11,004	10,077	8,800	7,574
All	5,843	4,606	6,357	7,219	9,825	8,037	6,603	9,088	9,461	9,467	7,875	6,225
55 w/WSAs + 2025 ROD/ITP												
C	5,648	4,012	3,231	3,162	2,630	3,430	3,795	5,965	6,580	5,804	6,900	5,669
D	5,677	4,234	4,506	3,541	2,960	4,076	5,401	8,406	8,386	9,643	7,837	5,035
BN	6,018	4,334	4,983	3,422	7,538	4,693	5,367	9,517	10,119	11,025	7,872	5,135
AN	5,681	4,187	5,383	6,961	15,122	9,334	5,507	11,228	10,442	10,494	6,912	5,828
W	6,055	5,635	10,915	14,786	18,044	14,783	10,123	10,406	11,064	10,059	8,743	7,427
All	5,853	4,636	6,440	7,279	9,830	7,972	6,578	9,173	9,487	9,517	7,855	5,978

H1a7.2.29 Sacramento River above Bend Bridge (SWRCB Sac Abv Bend Bridge)

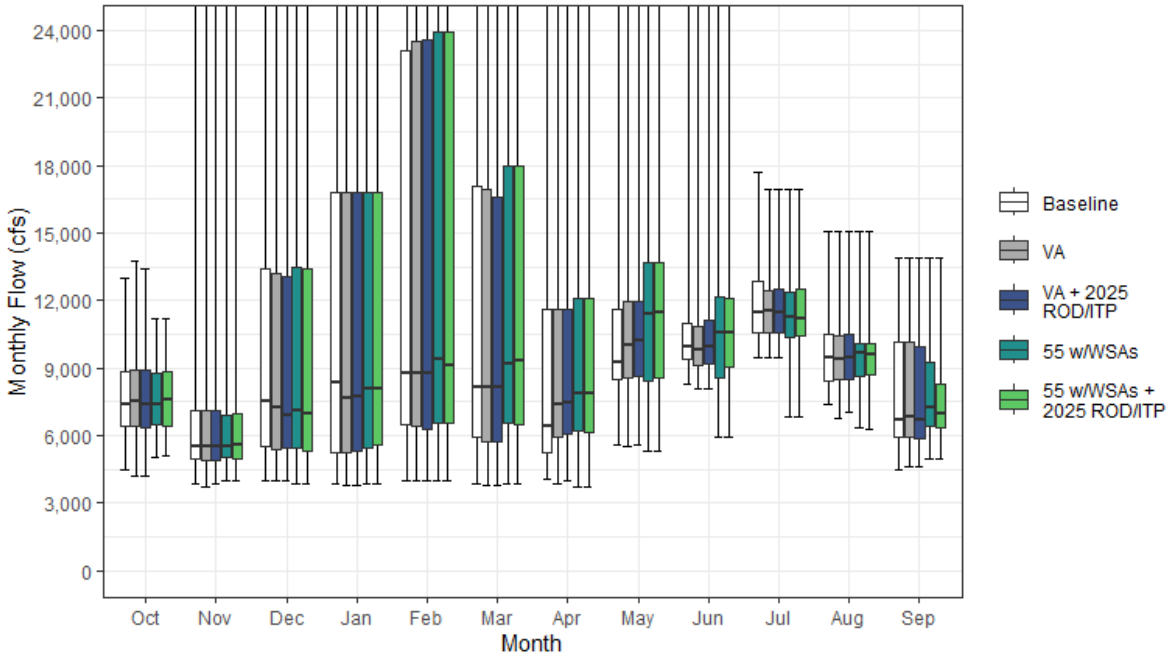

Figure H1a7-29. Sacramento River Streamflow above Bend Bridge Monthly Boxplot (cfs)

Table H1a7-57. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River above Bend Bridge (SWRCB Sac Abv Bend Bridge)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	4,480	3,837	4,007	3,880	4,000	3,828	4,042	5,571	8,293	9,428	7,379	4,511	4,300
10%	5,385	4,237	4,658	4,544	5,404	5,057	4,741	7,456	8,923	10,149	8,033	5,360	5,084
25%	6,421	4,988	5,526	5,273	6,469	5,917	5,227	8,498	9,381	10,598	8,395	5,953	5,581
50%	7,403	5,537	7,494	8,330	8,793	8,168	6,443	9,258	9,976	11,466	9,436	6,687	7,044
75%	8,820	7,109	13,395	16,801	23,091	17,070	11,593	11,636	11,014	12,827	10,473	10,172	9,762
90%	9,726	10,454	27,067	33,909	43,532	29,990	18,476	14,815	13,545	14,704	12,676	11,270	12,611
100%	13,001	35,458	42,071	74,705	83,601	73,277	44,397	26,534	30,912	17,711	15,072	13,888	17,700
Mean	7,565	6,893	11,767	14,200	17,721	13,955	9,618	10,404	10,755	11,930	9,881	7,911	7,987
VA													
0%	4,204	3,743	3,999	3,779	4,003	3,820	3,887	5,528	8,061	9,428	6,743	4,650	4,288
10%	5,467	4,137	4,619	4,544	4,950	5,039	4,746	7,453	8,766	10,104	7,987	5,389	5,176
25%	6,384	4,879	5,388	5,263	6,411	5,713	5,959	8,555	9,146	10,582	8,480	5,936	5,675
50%	7,497	5,514	7,229	7,629	8,793	8,171	7,409	10,021	9,820	11,510	9,392	6,850	6,854
75%	8,941	7,109	13,213	16,801	23,527	16,908	11,593	11,969	10,857	12,456	10,458	10,141	9,771
90%	9,700	10,326	26,713	33,910	43,550	29,990	18,886	14,815	12,965	14,267	12,628	11,360	12,397
100%	13,774	35,458	42,071	74,705	83,601	73,277	44,397	29,441	30,912	16,959	15,072	13,888	17,700
Mean	7,609	6,756	11,539	14,148	17,608	13,873	10,199	10,812	10,550	11,840	9,833	7,897	7,991
VA + 2025 ROD/ITP													
0%	4,200	3,837	3,996	3,779	3,986	3,816	4,006	5,618	8,061	9,428	7,038	4,617	4,291
10%	5,463	4,139	4,625	4,544	4,940	5,030	4,769	7,454	8,773	10,106	8,005	5,319	5,184
25%	6,313	4,891	5,481	5,296	6,312	5,713	6,056	8,620	9,196	10,576	8,465	5,863	5,709
50%	7,391	5,488	6,907	7,757	8,793	8,174	7,476	10,223	9,921	11,504	9,442	6,714	6,866
75%	8,941	7,109	13,067	16,802	23,583	16,612	11,610	11,984	11,139	12,531	10,524	9,963	9,749
90%	9,680	10,607	27,531	33,909	43,532	29,990	18,886	14,815	13,135	14,265	12,628	11,342	12,338
100%	13,411	35,458	42,071	74,705	83,601	73,277	44,397	29,441	30,912	16,959	15,072	13,888	17,700
Mean	7,562	6,819	11,579	14,149	17,536	13,893	10,232	10,821	10,613	11,832	9,875	7,714	7,989
55 w/WSAs													
0%	5,036	3,970	3,852	3,880	4,009	3,830	3,722	5,340	5,908	6,810	6,316	4,979	3,928
10%	5,762	4,792	4,551	4,579	5,426	5,298	4,736	6,512	7,305	7,631	7,898	6,153	4,745
25%	6,497	5,001	5,422	5,478	6,577	6,522	6,211	8,395	8,572	10,364	8,658	6,391	5,652
50%	7,400	5,534	7,097	8,046	9,425	9,213	7,887	11,376	10,565	11,253	9,674	7,254	7,175
75%	8,747	6,896	13,465	16,801	23,924	18,004	12,082	13,701	12,149	12,396	10,089	9,223	9,813
90%	9,700	9,087	24,983	33,631	43,532	29,978	18,218	15,007	13,850	13,704	11,834	11,027	12,658
100%	11,201	33,234	42,071	74,705	83,601	73,277	44,397	26,489	30,912	16,959	15,072	13,888	17,700
Mean	7,617	6,586	11,043	14,055	17,811	14,453	10,402	11,102	10,698	11,178	9,675	7,952	7,984
55 w/WSAs + 2025 ROD/ITP													
0%	5,070	3,970	3,855	3,884	4,005	3,830	3,720	5,341	5,908	6,804	6,301	4,985	3,924
10%	5,667	4,750	4,496	4,610	5,426	5,174	4,676	6,595	7,324	7,845	7,945	6,151	4,790
25%	6,398	4,974	5,302	5,571	6,573	6,465	6,149	8,564	9,059	10,437	8,694	6,345	5,682
50%	7,598	5,552	6,979	8,046	9,107	9,330	7,889	11,453	10,547	11,206	9,635	6,970	7,202
75%	8,872	6,999	13,437	16,801	23,901	18,004	12,082	13,688	12,085	12,498	10,082	8,264	9,811
90%	9,700	8,926	25,224	33,883	43,684	29,978	18,218	15,007	13,340	13,816	12,320	10,912	12,646
100%	11,210	35,017	42,071	74,705	83,601	73,277	44,397	26,489	30,912	16,959	15,072	13,888	17,700
Mean	7,626	6,615	11,125	14,114	17,817	14,389	10,378	11,184	10,721	11,227	9,653	7,711	7,983

Table H1a7-58. Water Year Average of Monthly Flows (cfs) — Sacramento River above Bend Bridge (SWRCB Sac Abv Bend Bridge)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	6,487	5,070	6,491	5,900	6,038	5,879	4,984	8,246	9,697	10,563	8,676	5,666
D	7,720	6,079	7,776	6,100	8,409	8,043	5,716	8,908	11,133	11,470	9,170	6,022
BN	7,499	5,947	7,995	9,064	13,720	8,606	7,600	9,226	10,699	12,534	9,245	6,451
AN	7,428	7,189	10,284	16,332	23,597	17,324	9,608	12,182	10,037	13,368	9,180	9,464
W	8,124	8,944	20,489	26,968	30,965	24,639	16,233	12,686	11,365	12,038	11,728	10,797
All	7,565	6,893	11,767	14,200	17,721	13,955	9,618	10,404	10,755	11,930	9,881	7,911
VA												
C	6,852	4,803	6,224	5,511	5,912	5,494	5,004	8,514	9,383	10,605	8,473	5,811
D	7,520	6,093	7,815	6,105	8,375	7,931	6,781	9,673	11,089	11,715	9,380	6,300
BN	7,572	5,845	7,834	9,058	13,525	8,656	8,568	9,899	10,308	12,051	9,187	6,126
AN	7,533	7,018	9,914	16,337	23,614	17,266	11,013	12,742	9,467	12,932	8,712	8,978
W	8,131	8,756	20,100	27,000	30,800	24,646	16,182	12,679	11,364	12,021	11,748	10,868
All	7,609	6,756	11,539	14,148	17,608	13,873	10,199	10,812	10,550	11,840	9,833	7,897
VA + 2025 ROD/ITP												
C	6,431	4,904	6,334	5,608	5,932	5,548	5,015	8,503	9,477	10,578	8,615	5,808
D	7,574	6,040	7,764	6,093	8,304	7,937	6,771	9,647	11,337	11,719	9,502	6,331
BN	7,577	5,932	7,884	9,023	13,375	8,656	8,709	9,939	10,313	12,025	9,132	6,192
AN	7,392	7,143	9,883	16,353	23,598	17,203	11,085	12,821	9,414	12,933	8,777	7,971
W	8,214	8,845	20,193	26,977	30,706	24,704	16,175	12,679	11,356	12,021	11,731	10,607
All	7,562	6,819	11,579	14,149	17,536	13,893	10,232	10,821	10,613	11,832	9,875	7,714
55 w/WSAs												
C	6,800	4,972	5,494	5,437	6,223	5,835	4,754	6,438	7,126	7,718	7,975	6,599
D	7,198	6,036	7,546	6,272	8,471	8,629	7,217	9,015	9,197	11,135	9,642	6,651
BN	7,821	5,933	7,903	9,020	13,627	9,900	8,779	10,940	11,139	12,007	9,547	6,549
AN	7,542	6,170	9,949	16,029	24,891	17,764	10,200	14,159	11,848	12,040	8,966	9,323
W	8,262	8,428	18,994	26,757	30,660	24,879	16,858	14,000	12,965	12,187	10,972	9,967
All	7,617	6,586	11,043	14,055	17,811	14,453	10,402	11,102	10,698	11,178	9,675	7,952
55 w/WSAs + 2025 ROD/ITP												
C	6,942	5,002	5,340	5,527	6,190	5,777	4,642	6,525	7,276	7,891	8,066	6,459
D	7,267	6,022	7,591	6,317	8,486	8,527	7,187	9,319	9,280	11,088	9,666	6,594
BN	7,794	5,831	7,765	9,020	13,726	9,720	8,786	10,935	11,032	12,094	9,433	6,614
AN	7,514	6,184	9,974	16,381	24,775	17,784	10,203	14,153	11,703	12,200	8,932	7,883
W	8,193	8,579	19,389	26,731	30,668	24,879	16,854	14,007	13,024	12,169	10,916	9,823
All	7,626	6,615	11,125	14,114	17,817	14,389	10,378	11,184	10,721	11,227	9,653	7,711

H1a7.2.30 Sacramento River below Wilkins Slough (SWRCB Sac blw Wilkins Slough)

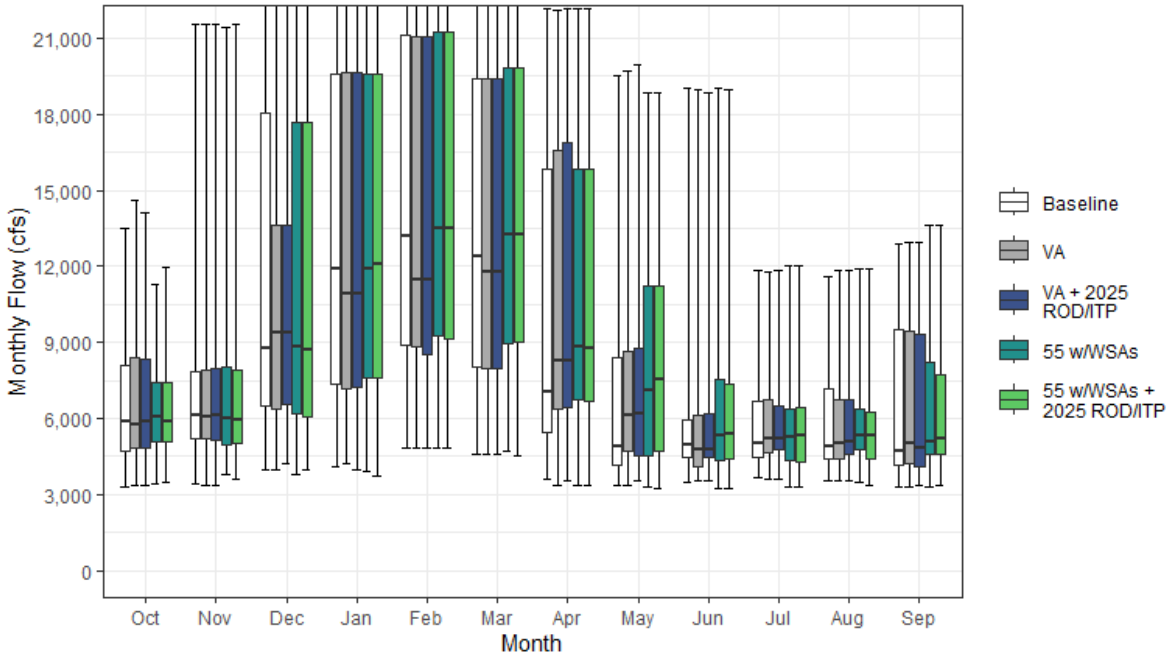

Figure H1a7-30. Sacramento River Streamflow below Wilkins Slough Monthly Boxplot (cfs)

Table H1a7-59. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River below Wilkins Slough (SWRCB Sac blw Wilkins Slough)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3,324	3,413	4,005	4,096	4,821	4,575	3,596	3,357	3,454	3,637	3,518	3,275	3,235
10%	3,706	4,166	5,531	5,687	6,962	6,770	4,647	3,562	3,615	3,731	3,663	3,452	3,952
25%	4,721	5,186	6,514	7,367	8,874	8,005	5,474	4,160	4,439	4,478	4,382	4,144	4,795
50%	5,850	6,131	8,746	11,931	13,174	12,415	7,053	4,900	4,934	4,993	4,911	4,713	6,104
75%	8,099	7,849	18,060	19,586	21,102	19,385	15,818	8,425	5,941	6,652	7,164	9,476	8,048
90%	9,452	12,088	21,210	21,856	22,473	21,585	19,734	13,632	7,829	8,659	9,146	10,087	9,270
100%	13,475	21,521	22,620	23,658	24,653	23,824	22,181	19,529	19,010	11,825	11,622	12,893	11,871
Mean	6,472	7,400	11,566	13,385	14,664	13,658	9,939	6,996	5,671	5,683	5,726	6,485	6,480
VA													
0%	3,364	3,350	3,998	4,227	4,824	4,567	3,350	3,357	3,516	3,636	3,518	3,275	3,200
10%	3,927	4,218	5,210	5,691	6,462	6,512	4,905	3,739	3,821	3,874	3,936	3,583	4,033
25%	4,845	5,199	6,366	7,160	8,818	7,964	6,395	4,694	4,117	4,680	4,414	4,202	4,814
50%	5,765	6,049	9,361	10,911	11,460	11,760	8,278	6,134	4,753	5,206	5,024	4,996	5,982
75%	8,430	7,883	13,647	19,621	21,039	19,384	16,602	8,621	6,137	6,739	6,737	9,417	7,930
90%	9,545	12,040	21,256	21,867	22,484	21,590	19,771	13,725	7,895	8,393	9,041	10,255	9,337
100%	14,632	21,523	22,630	23,619	24,663	23,829	22,121	19,687	18,991	11,762	11,823	12,940	11,900
Mean	6,584	7,320	11,021	12,703	14,098	13,268	10,507	7,567	5,634	5,775	5,812	6,498	6,430
VA + 2025 ROD/ITP													
0%	3,364	3,357	4,195	3,966	4,808	4,564	3,550	3,519	3,516	3,630	3,547	3,375	3,189
10%	3,958	4,200	5,404	5,730	6,463	6,569	4,803	3,709	3,766	3,900	3,995	3,629	4,040
25%	4,810	5,172	6,543	7,248	8,511	7,963	6,439	4,531	4,478	4,755	4,571	4,080	4,863
50%	5,866	6,119	9,414	10,911	11,460	11,760	8,286	6,200	4,766	5,213	5,106	4,839	6,000
75%	8,323	7,959	13,602	19,621	21,033	19,384	16,859	8,780	6,208	6,477	6,733	9,311	7,883
90%	9,449	12,174	21,274	21,867	22,483	21,590	19,771	13,697	7,840	8,383	9,043	10,103	9,270
100%	14,114	21,573	22,630	23,619	24,661	23,829	22,171	19,977	18,867	11,866	11,823	12,940	11,920
Mean	6,537	7,391	11,054	12,714	14,050	13,285	10,527	7,593	5,698	5,764	5,849	6,313	6,429
55 w/WSAs													
0%	3,441	3,779	3,815	3,941	4,810	4,735	3,367	3,298	3,266	3,294	3,487	3,324	3,211
10%	4,593	4,476	5,073	5,640	7,309	7,052	4,875	3,704	3,805	3,799	3,988	4,190	4,211
25%	5,072	4,964	6,205	7,576	9,271	8,936	6,764	4,513	4,314	4,370	4,769	4,560	4,928
50%	6,069	6,010	8,804	11,901	13,483	13,246	8,818	7,088	5,297	5,248	5,333	5,073	6,381
75%	7,418	8,040	17,698	19,585	21,239	19,814	15,806	11,202	7,544	6,383	6,348	8,224	8,338
90%	9,523	10,058	21,089	21,882	22,471	21,585	19,773	13,389	9,269	7,304	8,608	10,051	9,385
100%	11,259	21,447	22,568	23,614	24,652	23,824	22,181	18,832	19,005	12,046	11,910	13,634	11,970
Mean	6,508	7,014	11,262	13,280	14,822	14,059	10,791	8,148	6,277	5,541	5,783	6,496	6,621
55 w/WSAs + 2025 ROD/ITP													
0%	3,497	3,609	3,999	3,744	4,807	4,534	3,364	3,266	3,266	3,329	3,357	3,334	3,221
10%	4,758	4,383	4,897	5,671	7,310	6,959	4,885	3,758	3,792	3,788	4,015	4,107	4,125
25%	5,095	5,044	6,087	7,600	9,152	9,006	6,707	4,688	4,384	4,263	4,421	4,572	4,879
50%	5,856	5,923	8,727	12,101	13,483	13,247	8,749	7,562	5,411	5,300	5,355	5,183	6,286
75%	7,413	7,899	17,698	19,614	21,239	19,839	15,806	11,220	7,380	6,432	6,252	7,727	8,296
90%	9,515	10,192	21,106	21,894	22,471	21,595	19,737	13,488	9,269	7,560	8,167	10,051	9,346
100%	11,942	21,544	22,568	23,614	24,651	23,824	22,181	18,841	18,960	12,046	11,910	13,634	11,970
Mean	6,524	7,022	11,240	13,332	14,819	14,044	10,767	8,180	6,248	5,591	5,679	6,301	6,607

Table H1a7-60. WATER YEAR AVERAGE OF MONTHLY FLOWS (CFS) — SACRAMENTO RIVER BELOW WILKINS SLOUGH (SWRCB SAC blw Wilkins Slough)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	4,872	5,056	7,587	7,751	8,271	7,597	4,619	3,929	4,407	3,930	4,078	3,635
D	6,343	6,656	9,261	8,132	11,136	10,525	5,865	4,499	5,429	4,754	4,582	4,305
BN	6,446	6,506	8,453	12,747	14,044	12,233	9,059	5,472	5,252	5,744	4,650	4,704
AN	6,430	8,013	11,274	17,529	18,594	18,183	12,048	8,717	5,164	7,398	5,554	8,490
W	7,452	9,519	17,468	18,988	19,481	18,280	15,477	10,740	6,991	6,574	8,193	9,928
All	6,472	7,400	11,566	13,385	14,664	13,658	9,939	6,996	5,671	5,683	5,726	6,485
VA												
C	5,254	4,847	7,107	7,027	7,834	7,167	4,644	4,172	4,122	4,030	3,983	3,672
D	6,315	6,714	8,978	8,033	10,462	10,190	6,962	5,562	5,633	5,283	4,906	4,641
BN	6,560	6,452	8,227	11,394	13,413	11,645	10,070	6,427	5,214	5,562	4,810	4,475
AN	6,698	7,791	10,651	16,759	18,168	17,625	13,109	9,509	4,792	7,263	5,416	8,132
W	7,461	9,444	16,525	18,360	18,910	18,064	15,470	10,792	7,044	6,605	8,245	9,993
All	6,584	7,320	11,021	12,703	14,098	13,268	10,507	7,567	5,634	5,775	5,812	6,498
VA + 2025 ROD/ITP												
C	4,802	4,924	7,239	7,102	7,879	7,234	4,643	4,166	4,185	4,000	4,158	3,660
D	6,358	6,634	8,939	8,037	10,395	10,187	6,961	5,545	5,754	5,244	5,025	4,630
BN	6,613	6,559	8,299	11,397	13,319	11,686	10,131	6,478	5,282	5,555	4,795	4,518
AN	6,552	7,958	10,716	16,748	18,167	17,588	13,177	9,602	4,887	7,296	5,433	7,181
W	7,540	9,563	16,520	18,358	18,838	18,076	15,470	10,826	7,051	6,607	8,190	9,753
All	6,537	7,391	11,054	12,714	14,050	13,285	10,527	7,593	5,698	5,764	5,849	6,313
55 w/WSAs												
C	5,244	4,840	6,599	7,253	8,546	7,642	4,592	3,912	4,219	3,975	4,945	4,106
D	5,953	6,422	9,221	8,281	11,374	11,072	7,460	5,008	4,636	4,795	4,864	4,781
BN	6,702	6,253	8,338	12,649	14,148	13,154	10,368	7,229	5,835	5,275	4,948	4,870
AN	6,351	6,789	10,985	17,201	18,788	18,193	12,730	10,728	6,957	6,242	5,478	8,365
W	7,530	9,181	17,208	18,992	19,539	18,591	16,031	12,260	8,586	6,813	7,553	9,311
All	6,508	7,014	11,262	13,280	14,822	14,059	10,791	8,148	6,277	5,541	5,783	6,496
55 w/WSAs + 2025 ROD/ITP												
C	5,312	4,881	6,423	7,309	8,539	7,596	4,499	3,887	4,258	3,967	4,632	4,067
D	6,042	6,372	9,194	8,330	11,398	11,067	7,409	5,198	4,520	4,811	4,810	4,833
BN	6,726	6,208	8,249	12,683	14,127	13,134	10,367	7,163	5,623	5,414	4,790	4,911
AN	6,284	6,789	11,009	17,407	18,755	18,203	12,753	10,705	6,829	6,410	5,398	7,050
W	7,492	9,249	17,296	18,995	19,541	18,581	16,030	12,290	8,741	6,812	7,552	9,151
All	6,524	7,022	11,240	13,332	14,819	14,044	10,767	8,180	6,248	5,591	5,679	6,301

H1a7.2.31 Sacramento River at Knights Landing (SWRCB Sac at Knights Landing)

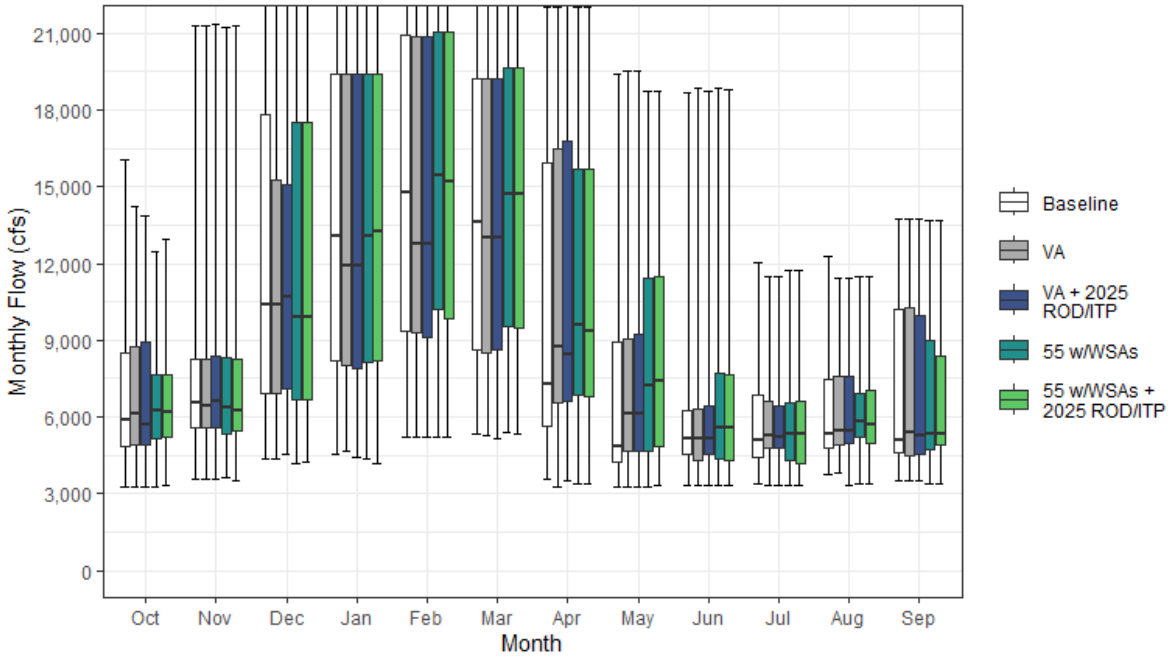

Figure H1a7-31. Sacramento River Streamflow at Knights Landing Monthly Boxplot (cfs)

Table H1a7-61. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River at Knights Landing (SWRCB Sac at Knights Landing)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3,260	3,590	4,364	4,531	5,227	5,354	3,587	3,284	3,308	3,391	3,783	3,531	3,364
10%	3,726	4,520	5,978	6,597	7,544	7,225	4,621	3,487	3,642	3,594	4,137	3,714	4,290
25%	4,824	5,558	6,892	8,187	9,341	8,628	5,637	4,258	4,518	4,409	4,774	4,609	5,065
50%	5,914	6,575	10,396	13,069	14,787	13,588	7,313	4,850	5,140	5,094	5,308	5,100	6,212
75%	8,510	8,251	17,797	19,393	20,901	19,211	15,912	8,905	6,239	6,883	7,451	10,210	8,346
90%	10,014	12,466	20,941	21,628	22,250	21,376	19,607	13,539	7,790	8,676	9,884	10,881	9,421
100%	16,035	21,267	22,350	23,406	24,394	23,579	22,041	19,405	18,660	12,034	12,246	13,717	12,007
Mean	6,763	7,711	12,072	13,855	15,116	14,001	10,097	7,030	5,740	5,705	6,218	7,017	6,702
VA													
0%	3,261	3,595	4,356	4,660	5,232	5,250	3,277	3,284	3,314	3,351	3,788	3,532	3,368
10%	4,062	4,594	5,683	6,482	7,083	6,777	4,881	3,542	3,658	3,639	4,138	3,807	4,199
25%	4,930	5,557	6,900	8,020	9,287	8,532	6,558	4,695	4,321	4,791	4,899	4,514	5,157
50%	6,151	6,430	10,370	11,910	12,737	13,020	8,754	6,103	5,139	5,254	5,476	5,388	6,247
75%	8,740	8,261	15,282	19,405	20,839	19,211	16,503	9,074	6,324	6,607	7,573	10,240	8,169
90%	10,089	12,429	20,973	21,638	22,261	21,382	19,643	13,630	7,878	8,454	9,880	11,000	9,499
100%	14,208	21,269	22,360	23,368	24,404	23,584	22,041	19,548	18,862	11,465	11,428	13,763	11,936
Mean	6,834	7,642	11,624	13,310	14,647	13,650	10,646	7,586	5,741	5,782	6,324	7,024	6,672
VA + 2025 ROD/ITP													
0%	3,261	3,580	4,550	4,403	5,217	5,179	3,516	3,284	3,314	3,351	3,343	3,532	3,283
10%	3,882	4,539	5,881	6,605	7,100	6,833	4,786	3,587	3,639	3,637	4,251	3,803	4,172
25%	4,930	5,557	7,091	7,918	9,120	8,627	6,626	4,681	4,558	4,815	4,997	4,560	5,156
50%	5,732	6,590	10,701	11,910	12,737	13,020	8,434	6,147	5,142	5,199	5,476	5,265	6,239
75%	8,907	8,374	15,054	19,405	20,833	19,211	16,773	9,248	6,426	6,462	7,569	9,990	8,152
90%	9,992	12,517	21,019	21,638	22,259	21,381	19,643	13,603	8,116	8,639	9,833	10,882	9,417
100%	13,872	21,318	22,360	23,368	24,402	23,584	22,091	19,548	18,710	11,465	11,428	13,763	11,942
Mean	6,789	7,703	11,655	13,324	14,600	13,666	10,660	7,625	5,798	5,785	6,330	6,832	6,670
55 w/WSAs													
0%	3,283	3,619	4,186	4,373	5,214	5,407	3,364	3,294	3,314	3,350	3,389	3,379	3,332
10%	4,494	4,689	5,498	6,485	7,866	7,455	4,854	3,621	3,722	3,767	4,502	4,306	4,473
25%	5,169	5,345	6,676	8,127	10,211	9,545	6,865	4,644	4,367	4,296	5,194	4,718	5,163
50%	6,253	6,378	9,883	13,038	15,414	14,685	9,575	7,223	5,552	5,344	5,795	5,309	6,519
75%	7,665	8,330	17,489	19,374	21,036	19,635	15,684	11,404	7,740	6,528	6,935	9,007	8,583
90%	10,235	10,397	20,822	21,656	22,248	21,376	19,645	13,525	9,844	7,582	9,286	10,896	9,549
100%	12,441	21,194	22,299	23,335	24,394	23,579	22,041	18,712	18,855	11,745	11,514	13,652	11,952
Mean	6,750	7,326	11,748	13,729	15,240	14,381	10,934	8,190	6,456	5,586	6,232	6,944	6,834
55 w/WSAs + 2025 ROD/ITP													
0%	3,309	3,501	4,227	4,180	5,213	5,312	3,361	3,311	3,314	3,351	3,394	3,365	3,354
10%	4,556	4,723	5,278	6,529	7,867	7,438	4,866	3,674	3,788	3,743	4,238	4,360	4,381
25%	5,193	5,438	6,678	8,172	9,852	9,447	6,807	4,820	4,329	4,184	4,954	4,885	5,151
50%	6,161	6,272	9,883	13,235	15,216	14,684	9,358	7,415	5,574	5,333	5,684	5,340	6,497
75%	7,624	8,284	17,489	19,398	21,036	19,659	15,684	11,456	7,649	6,585	7,071	8,361	8,603
90%	10,149	10,783	20,838	21,665	22,248	21,386	19,609	13,565	9,725	7,642	8,546	10,768	9,504
100%	12,955	21,289	22,299	23,335	24,392	23,579	22,041	18,721	18,810	11,745	11,514	13,652	11,952
Mean	6,745	7,339	11,742	13,767	15,237	14,368	10,908	8,234	6,395	5,616	6,121	6,764	6,817

Table H1a7-62. Water Year Average of Monthly Flows (cfs) — Sacramento River at Knights Landing (SWRCB Sac at Knights Landing)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	4,959	5,332	8,218	8,524	9,352	8,204	4,590	3,716	4,140	3,719	4,250	3,822
D	6,577	6,992	10,113	8,946	11,825	11,114	6,009	4,480	5,350	4,636	4,971	4,744
BN	6,747	6,862	9,031	13,452	14,602	12,825	9,301	5,440	5,207	5,574	5,052	5,146
AN	6,654	8,315	11,978	17,706	18,802	18,157	12,286	8,932	5,478	7,601	6,216	9,207
W	7,916	9,804	17,528	19,013	19,455	18,294	15,661	10,913	7,322	6,871	8,921	10,697
All	6,763	7,711	12,072	13,855	15,116	14,001	10,097	7,030	5,740	5,705	6,218	7,017
VA												
C	5,300	5,180	7,729	8,058	8,922	7,781	4,619	3,968	3,847	3,785	4,196	3,854
D	6,517	7,014	9,914	8,840	11,325	10,785	7,068	5,579	5,615	5,167	5,368	5,060
BN	6,871	6,810	8,804	12,241	14,094	12,359	10,302	6,424	5,227	5,463	5,222	4,897
AN	6,923	8,100	11,372	17,058	18,503	17,608	13,327	9,702	5,292	7,501	6,038	8,869
W	7,826	9,758	16,842	18,567	18,943	18,116	15,629	10,877	7,348	6,813	8,971	10,765
All	6,834	7,642	11,624	13,310	14,647	13,650	10,646	7,586	5,741	5,782	6,324	7,024
VA + 2025 ROD/ITP												
C	4,894	5,225	7,863	8,144	8,967	7,849	4,619	3,971	3,934	3,761	4,244	3,847
D	6,569	6,947	9,865	8,844	11,260	10,782	7,068	5,561	5,862	5,151	5,403	5,014
BN	6,885	6,911	8,881	12,246	14,002	12,394	10,336	6,481	5,207	5,437	5,196	4,938
AN	6,772	8,266	11,433	17,042	18,502	17,573	13,374	9,821	5,226	7,526	6,093	7,914
W	7,908	9,857	16,836	18,566	18,873	18,128	15,634	10,934	7,348	6,851	8,937	10,522
All	6,789	7,703	11,655	13,324	14,600	13,666	10,660	7,625	5,798	5,785	6,330	6,832
55 w/WSAs												
C	5,271	5,108	7,225	8,008	9,604	8,245	4,571	3,862	4,189	3,992	4,924	4,089
D	6,124	6,705	10,017	9,067	12,052	11,646	7,604	5,024	4,625	4,602	5,198	5,120
BN	6,958	6,580	8,893	13,243	14,593	13,625	10,588	7,170	5,862	5,166	5,483	5,206
AN	6,516	7,147	11,680	17,490	18,993	18,258	12,944	10,892	7,405	6,511	6,175	9,134
W	7,961	9,509	17,266	19,003	19,492	18,587	16,185	12,384	9,004	7,053	8,185	10,029
All	6,750	7,326	11,748	13,729	15,240	14,381	10,934	8,190	6,456	5,586	6,232	6,944
55 w/WSAs + 2025 ROD/ITP												
C	5,339	5,131	7,061	8,092	9,599	8,200	4,491	3,867	4,206	3,933	4,587	4,068
D	6,170	6,678	10,017	9,103	12,075	11,641	7,544	5,211	4,500	4,675	5,087	5,192
BN	6,932	6,534	8,831	13,255	14,572	13,610	10,579	7,134	5,664	5,265	5,377	5,261
AN	6,486	7,121	11,703	17,585	18,960	18,269	12,967	10,910	7,231	6,605	6,074	7,774
W	7,901	9,598	17,363	19,010	19,493	18,577	16,183	12,407	9,082	7,030	8,188	9,903
All	6,745	7,339	11,742	13,767	15,237	14,368	10,908	8,234	6,395	5,616	6,121	6,764

H1a7.2.32 Sacramento River at Freeport (SWRCB Sac at Freeport)

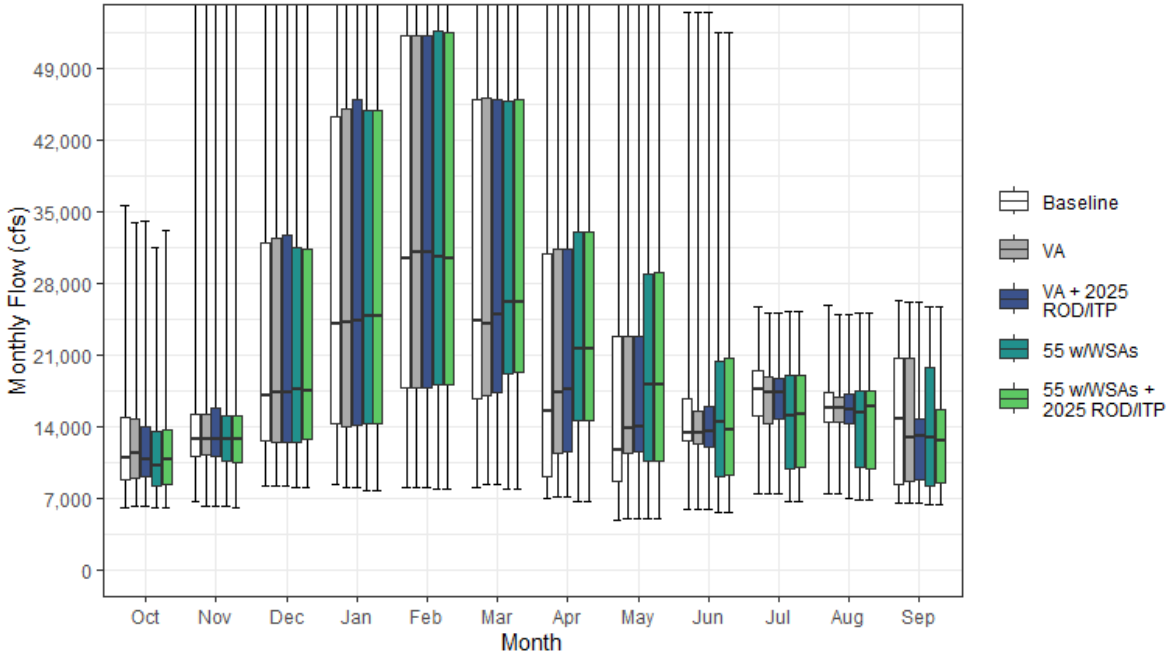

Figure H1a7-32. Sacramento River Streamflow at Freeport Monthly Boxplot (cfs)

Table H1a7-63. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River at Freeport (SWRCB Sac at Freeport)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	6,082	6,577	8,224	8,256	8,052	8,079	7,009	4,895	5,953	7,396	7,435	6,542	5,892
10%	6,728	8,162	11,467	11,416	12,756	12,099	8,007	7,838	9,911	8,308	9,597	6,945	7,940
25%	8,733	11,059	12,556	14,191	17,797	16,659	9,119	8,556	12,529	14,956	14,375	8,288	10,023
50%	10,982	12,743	17,009	24,046	30,339	24,353	15,427	11,627	13,334	17,674	15,790	14,748	12,880
75%	14,822	15,146	31,914	44,204	52,222	45,886	30,886	22,805	16,678	19,400	17,337	20,662	19,836
90%	17,397	23,091	53,684	60,496	66,611	57,079	50,777	40,543	25,841	21,604	18,902	22,496	24,216
100%	35,567	56,904	72,294	75,591	77,015	74,297	70,682	55,797	54,413	25,736	25,828	26,223	32,366
Mean	12,082	15,020	25,067	30,489	35,206	30,695	22,022	17,831	16,219	16,670	15,248	14,849	15,130
VA													
0%	6,156	6,162	8,221	7,986	8,055	8,337	7,177	5,013	5,948	7,390	7,455	6,538	6,217
10%	6,863	8,658	11,034	11,372	12,373	11,852	8,904	8,491	9,242	8,195	9,352	7,034	7,936
25%	8,983	11,185	12,452	13,961	17,796	17,020	11,370	11,441	12,265	14,227	14,398	8,592	10,381
50%	11,391	12,790	17,302	24,094	31,048	24,024	17,373	13,853	13,357	17,302	15,754	12,824	13,046
75%	14,758	15,245	32,429	44,972	52,198	46,024	31,365	22,790	15,486	18,781	16,833	20,645	19,715
90%	17,154	23,225	53,632	60,496	66,646	57,111	50,780	40,008	25,778	20,808	19,014	22,487	24,199
100%	33,871	56,933	72,239	75,594	77,017	74,297	70,692	55,808	54,414	25,052	24,966	26,163	32,265
Mean	12,109	14,957	24,989	30,509	35,252	30,764	23,337	19,224	16,049	16,187	15,226	14,348	15,224
VA + 2025 ROD/ITP													
0%	6,150	6,156	8,221	7,973	8,028	8,336	7,090	5,011	5,943	7,388	7,020	6,535	6,172
10%	6,734	8,435	10,974	11,253	12,142	12,253	8,887	8,555	9,481	8,266	9,279	7,124	7,915
25%	9,071	11,107	12,466	14,099	17,801	17,368	11,511	11,598	11,919	14,681	14,325	8,718	10,577
50%	10,766	12,790	17,303	24,361	31,029	24,936	17,582	14,034	13,444	17,323	15,704	13,009	13,045
75%	13,900	15,847	32,712	45,971	52,198	45,887	31,365	22,864	15,871	18,731	17,190	14,722	19,391
90%	17,433	24,943	53,592	60,496	66,647	57,111	50,775	40,008	25,707	20,643	19,014	18,913	24,350
100%	34,071	56,933	72,239	75,594	77,017	74,297	70,681	55,809	54,414	25,053	24,966	26,164	32,265
Mean	11,942	15,325	25,053	30,821	35,469	30,958	23,368	19,263	16,089	16,319	15,228	12,587	15,193
55 w/WSAs													
0%	6,049	6,123	7,949	7,676	7,942	7,926	6,607	5,019	5,647	6,673	6,817	6,388	5,546
10%	6,619	7,817	10,138	11,345	13,677	13,369	9,028	8,065	8,499	7,394	9,113	7,271	8,075
25%	8,244	10,682	12,499	14,272	18,094	19,213	14,553	10,593	9,130	9,824	10,002	8,204	9,948
50%	10,157	12,746	17,610	24,766	30,632	26,210	21,635	18,008	14,432	15,003	15,268	12,960	13,497
75%	13,572	15,008	31,427	44,915	52,625	45,806	32,960	28,932	20,415	18,943	17,467	19,749	20,456
90%	16,534	20,416	52,971	59,892	64,725	56,624	50,826	40,275	27,383	20,290	18,540	20,967	24,132
100%	31,419	57,001	72,174	75,504	76,805	74,296	70,616	55,594	52,487	25,204	25,082	25,756	32,247
Mean	11,362	14,374	24,807	30,640	35,591	31,923	25,479	21,049	16,635	14,478	14,127	13,709	15,295
55 w/WSAs + 2025 ROD/ITP													
0%	6,054	6,085	8,021	7,714	7,933	7,936	6,607	5,011	5,648	6,577	6,799	6,380	5,604
10%	6,653	7,879	9,932	11,448	13,534	13,368	9,016	8,086	8,554	7,391	8,803	6,766	8,045
25%	8,328	10,504	12,715	14,329	18,097	19,215	14,554	10,598	9,205	9,959	9,896	8,426	10,014
50%	10,772	12,749	17,471	24,765	30,391	26,218	21,635	18,057	13,684	15,110	15,930	12,655	13,496
75%	13,707	15,033	31,331	44,915	52,488	45,996	32,958	28,987	20,652	19,003	17,390	15,621	20,213
90%	16,786	21,798	53,258	60,033	64,723	56,624	50,825	40,274	27,383	20,273	18,464	17,268	24,278
100%	33,088	57,001	72,174	75,573	76,862	74,296	70,615	55,594	52,487	25,204	25,082	25,756	32,249
Mean	11,501	14,555	24,923	30,750	35,669	31,935	25,472	21,098	16,633	14,639	14,171	12,301	15,264

Table H1a7-64. Water Year Average of Monthly Flows (cfs) — Sacramento River at Freeport (SWRCB Sac at Freeport)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	9,552	10,470	14,091	14,067	15,365	13,048	8,098	7,085	9,230	8,891	9,238	7,176
D	11,296	12,889	17,873	15,860	21,623	19,959	10,715	9,402	13,149	16,093	14,250	9,416
BN	12,066	13,291	17,890	23,916	31,621	25,309	18,165	12,708	13,458	18,891	16,188	13,717
AN	11,419	16,062	23,356	40,146	46,611	41,059	24,274	20,504	14,827	20,613	16,125	22,226
W	14,283	19,689	41,427	50,276	53,457	47,245	39,283	31,920	24,503	18,257	18,239	20,692
All	12,082	15,020	25,067	30,489	35,206	30,695	22,022	17,831	16,219	16,670	15,248	14,849
VA												
C	9,893	10,334	13,993	13,849	15,368	12,865	8,399	7,742	8,621	8,538	9,384	6,964
D	11,281	12,858	17,982	15,661	21,574	20,099	13,089	12,269	13,309	15,695	14,506	9,040
BN	12,225	13,449	17,635	23,972	31,567	25,580	20,470	15,210	13,359	18,110	15,948	12,003
AN	11,444	15,761	22,970	40,397	46,661	41,061	26,900	22,093	14,125	20,211	15,951	21,923
W	14,091	19,595	41,456	50,469	53,658	47,295	39,211	31,844	24,492	17,800	18,122	20,634
All	12,109	14,957	24,989	30,509	35,252	30,764	23,337	19,224	16,049	16,187	15,226	14,348
VA + 2025 ROD/ITP												
C	9,660	10,447	13,835	14,092	15,640	12,956	8,442	7,804	8,827	8,914	8,947	7,257
D	11,152	13,343	18,062	16,018	21,902	20,657	13,119	12,258	13,294	16,011	14,810	9,621
BN	11,952	13,803	17,750	24,136	32,073	25,799	20,576	15,274	13,232	18,112	15,996	12,183
AN	11,160	16,182	22,955	41,215	46,922	41,129	26,884	22,162	14,345	20,167	15,890	13,823
W	14,045	20,000	41,629	50,675	53,563	47,313	39,206	31,877	24,519	17,820	18,134	17,367
All	11,942	15,325	25,053	30,821	35,469	30,958	23,368	19,263	16,089	16,319	15,228	12,587
55 w/WSAs												
C	9,247	9,632	13,206	13,550	16,279	14,167	8,810	7,549	7,901	7,247	8,320	7,085
D	10,135	12,409	18,395	16,210	22,586	22,361	15,791	12,086	9,925	10,382	11,046	9,584
BN	11,547	12,550	17,860	24,145	31,778	27,334	23,909	17,768	14,479	16,120	13,952	11,058
AN	10,448	14,468	23,454	40,503	46,876	41,650	27,975	25,544	18,221	17,968	16,563	19,382
W	13,639	19,461	40,638	50,505	53,329	47,419	41,468	35,102	26,945	18,901	18,618	19,677
All	11,362	14,374	24,807	30,640	35,591	31,923	25,479	21,049	16,635	14,478	14,127	13,709
55 w/WSAs + 2025 ROD/ITP												
C	9,233	9,757	13,062	13,666	16,258	14,116	8,745	7,595	7,969	7,504	8,347	6,973
D	10,441	12,549	18,422	16,338	22,764	22,352	15,748	12,222	9,831	10,973	10,789	10,017
BN	11,804	12,592	17,982	24,228	31,859	27,341	23,910	17,807	14,364	16,189	14,454	10,299
AN	10,425	14,782	23,389	40,638	47,062	41,846	28,082	25,531	18,294	17,925	16,605	14,339
W	13,727	19,736	41,027	50,604	53,340	47,410	41,468	35,119	27,014	18,835	18,604	17,270
All	11,501	14,555	24,923	30,750	35,669	31,935	25,472	21,098	16,633	14,639	14,171	12,301

H1a7.2.33 Sacramento River at Rio Vista (SWRCB Sac at Rio Vista)

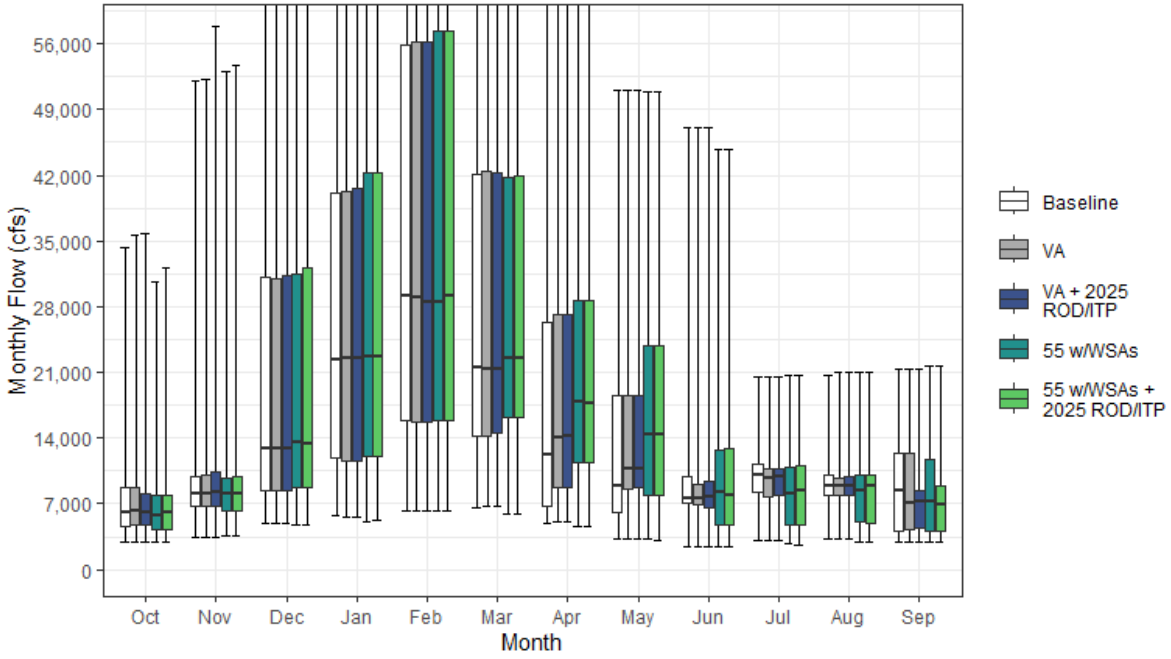

Figure H1a7-33. Sacramento River Streamflow at Rio Vista Monthly Boxplot (cfs)

Table H1a7-65. Cumulative Distribution of Monthly Flow (cfs) — Sacramento River at Rio Vista (SWRCB Sac at Rio Vista)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3,000	3,511	4,930	5,741	6,278	6,595	4,876	3,232	2,507	3,149	3,301	3,001	3,613
10%	3,123	4,536	7,715	9,072	10,392	9,823	5,937	5,579	5,282	3,694	4,691	3,142	5,696
25%	4,594	6,723	8,457	11,873	15,806	14,177	6,705	6,112	7,080	8,255	7,970	4,040	6,954
50%	6,112	8,060	12,903	22,383	29,089	21,453	12,183	8,837	7,634	10,060	8,882	8,388	9,498
75%	8,738	9,967	31,170	40,075	55,906	42,042	26,293	18,538	9,964	11,187	10,029	12,376	18,596
90%	10,288	15,884	55,067	79,732	105,175	73,043	46,393	33,734	20,740	12,700	11,049	13,670	25,507
100%	34,250	52,117	121,046	177,089	201,267	175,683	108,681	51,048	47,062	20,541	20,731	21,353	39,469
Mean	6,959	10,388	23,908	34,832	43,860	33,288	20,202	14,337	10,457	9,408	8,601	8,550	13,482
VA													
0%	3,000	3,503	4,941	5,506	6,302	6,811	5,080	3,321	2,504	3,145	3,314	3,000	3,877
10%	3,198	4,816	7,263	8,733	9,912	9,423	6,643	6,166	4,810	3,709	4,541	3,201	5,705
25%	4,746	6,794	8,408	11,511	15,773	14,268	8,716	8,652	6,850	7,771	7,895	4,259	7,323
50%	6,286	8,071	12,915	22,433	28,925	21,322	14,025	10,776	7,630	9,722	8,901	7,084	9,800
75%	8,699	10,134	30,972	40,197	56,209	42,357	27,101	18,509	9,152	10,775	9,692	12,376	18,642
90%	10,176	16,001	56,554	81,084	104,920	73,426	46,397	33,895	20,686	12,090	11,062	13,634	25,296
100%	35,579	52,165	120,984	177,150	200,993	175,683	108,723	51,092	47,061	20,546	20,998	21,298	39,480
Mean	7,009	10,315	23,706	34,768	43,753	33,333	21,348	15,567	10,340	9,100	8,592	8,216	13,559
VA + 2025 ROD/ITP													
0%	3,000	3,501	4,941	5,637	6,256	6,810	5,085	3,322	2,503	3,143	3,327	3,000	3,856
10%	3,119	4,740	7,353	8,734	9,890	9,786	6,539	6,196	5,068	3,706	4,543	3,242	5,644
25%	4,758	6,815	8,329	11,592	15,696	14,560	8,792	8,740	6,594	7,973	7,897	4,408	7,559
50%	6,064	8,180	12,916	22,578	28,559	21,320	14,160	10,767	7,730	9,823	8,901	7,207	9,834
75%	8,027	10,423	31,224	40,641	56,259	42,238	27,094	18,457	9,401	10,735	9,854	8,359	18,360
90%	10,321	18,186	57,084	85,027	105,471	73,445	46,397	33,895	20,696	11,929	11,063	11,227	25,329
100%	35,751	57,767	120,984	177,154	200,991	175,683	108,675	51,092	47,062	20,547	20,998	21,299	39,480
Mean	6,892	10,728	23,924	35,107	44,048	33,534	21,375	15,591	10,368	9,182	8,603	7,023	13,579
55 w/WSAs													
0%	3,000	3,536	4,695	5,158	6,184	5,881	4,536	3,187	2,394	2,732	2,911	3,000	3,348
10%	3,095	4,289	6,715	8,701	11,171	10,795	6,945	5,640	4,392	3,116	4,544	3,434	5,635
25%	4,189	6,302	8,692	12,081	15,837	16,190	11,447	7,942	4,805	4,800	5,023	4,028	7,111
50%	5,675	8,024	13,506	22,678	28,484	22,560	17,856	14,441	8,297	8,150	8,460	7,266	10,367
75%	7,859	9,815	31,499	42,309	57,327	41,826	28,607	23,840	12,668	10,972	10,084	11,798	18,982
90%	9,790	13,973	53,546	79,310	99,295	67,855	46,668	34,304	22,212	11,745	10,785	12,598	25,794
100%	30,684	53,119	119,429	171,373	194,304	175,670	106,467	50,926	44,761	20,689	21,068	21,741	39,823
Mean	6,520	9,797	23,613	35,200	43,737	34,200	23,262	17,183	10,823	7,988	7,927	7,808	13,680
55 w/WSAs + 2025 ROD/ITP													
0%	3,000	3,532	4,751	5,207	6,177	5,887	4,535	3,181	2,394	2,677	2,875	3,000	3,392
10%	3,096	4,302	6,517	8,703	10,942	10,795	6,629	5,637	4,344	3,141	4,220	3,072	5,598
25%	4,204	6,227	8,794	12,108	15,863	16,190	11,455	7,938	4,830	4,832	4,938	4,129	7,167
50%	6,133	8,141	13,381	22,715	29,121	22,560	17,647	14,419	7,887	8,350	8,936	6,926	10,366
75%	7,901	9,965	32,115	42,318	57,336	41,856	28,607	23,833	12,884	10,990	10,057	8,978	18,799
90%	10,021	14,990	54,534	79,311	99,190	68,359	46,668	34,304	22,213	11,776	10,822	10,107	25,788
100%	32,110	53,686	119,429	173,765	196,295	175,670	106,468	50,927	44,761	20,689	21,068	21,741	39,824
Mean	6,617	9,947	23,764	35,386	43,923	34,224	23,256	17,214	10,825	8,102	7,961	6,849	13,681

Table H1a7-66. Water Year Average of Monthly Flows (cfs) — Sacramento River at Rio Vista (SWRCB Sac at Rio Vista)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	5,089	6,248	10,784	12,143	13,589	10,837	5,900	4,931	4,830	4,115	4,457	3,311
D	6,262	8,366	14,318	13,300	19,795	17,168	8,309	6,893	7,534	8,965	7,861	4,835
BN	6,857	8,422	14,754	21,559	31,631	22,219	14,843	9,738	7,726	10,867	9,168	7,753
AN	6,459	11,198	21,074	41,943	55,743	41,889	20,435	16,608	8,701	11,999	9,208	13,481
W	8,731	15,000	44,872	68,285	80,644	60,653	39,853	26,818	18,034	10,594	10,750	12,601
All	6,959	10,388	23,908	34,832	43,860	33,288	20,202	14,337	10,457	9,408	8,601	8,550
VA												
C	5,320	6,124	10,734	11,699	13,595	10,689	6,152	5,490	4,406	3,877	4,561	3,169
D	6,254	8,383	14,318	13,135	19,611	17,296	10,369	9,371	7,653	8,700	8,048	4,596
BN	6,967	8,556	14,614	21,492	31,317	22,349	16,834	11,918	7,642	10,306	9,027	6,600
AN	6,491	10,992	20,474	42,156	55,720	41,928	22,711	18,001	8,177	11,711	9,043	13,279
W	8,696	14,809	44,560	68,390	80,631	60,689	39,817	26,823	18,048	10,370	10,684	12,561
All	7,009	10,315	23,706	34,768	43,753	33,333	21,348	15,567	10,340	9,100	8,592	8,216
VA + 2025 ROD/ITP												
C	5,167	6,221	10,609	11,916	13,826	10,764	6,189	5,540	4,543	4,139	4,323	3,366
D	6,163	8,930	14,389	13,442	19,896	17,776	10,393	9,370	7,634	8,934	8,320	4,986
BN	6,776	9,002	14,725	21,637	32,060	22,536	16,945	11,970	7,566	10,319	9,008	6,729
AN	6,296	11,285	20,428	42,850	55,933	42,156	22,705	18,031	8,342	11,674	8,968	7,796
W	8,657	15,322	45,240	68,798	80,715	60,751	39,803	26,830	18,066	10,336	10,692	10,344
All	6,892	10,728	23,924	35,107	44,048	33,534	21,375	15,591	10,368	9,182	8,603	7,023
55 w/WSAs												
C	4,885	5,588	10,107	11,795	14,422	11,811	6,512	5,337	3,933	3,076	3,995	3,341
D	5,482	7,833	14,873	13,702	20,984	19,859	12,712	9,242	5,354	5,200	5,817	4,988
BN	6,503	7,883	15,020	22,073	32,505	24,837	19,977	14,125	8,485	8,988	7,631	5,961
AN	5,819	9,932	20,561	43,585	55,980	41,795	23,802	21,052	11,055	10,209	9,425	11,553
W	8,443	14,641	43,890	68,408	78,272	59,549	41,797	29,714	19,897	11,129	11,158	11,930
All	6,520	9,797	23,613	35,200	43,737	34,200	23,262	17,183	10,823	7,988	7,927	7,808
55 w/WSAs + 2025 ROD/ITP												
C	4,876	5,692	9,999	11,874	14,405	11,767	6,442	5,356	3,957	3,238	4,011	3,268
D	5,692	7,923	14,874	13,821	21,138	19,770	12,685	9,340	5,281	5,583	5,666	5,243
BN	6,682	7,903	15,071	22,161	32,596	24,715	19,985	14,170	8,399	9,052	7,969	5,448
AN	5,806	10,203	20,536	43,925	56,151	42,157	23,893	21,017	11,159	10,233	9,535	8,158
W	8,508	14,894	44,420	68,698	78,658	59,649	41,793	29,720	19,957	11,090	11,116	10,300
All	6,617	9,947	23,764	35,386	43,923	34,224	23,256	17,214	10,825	8,102	7,961	6,849

H1a7.2.34 Stony Creek below Black Butte Reservoir (SWRCB Black Butte)

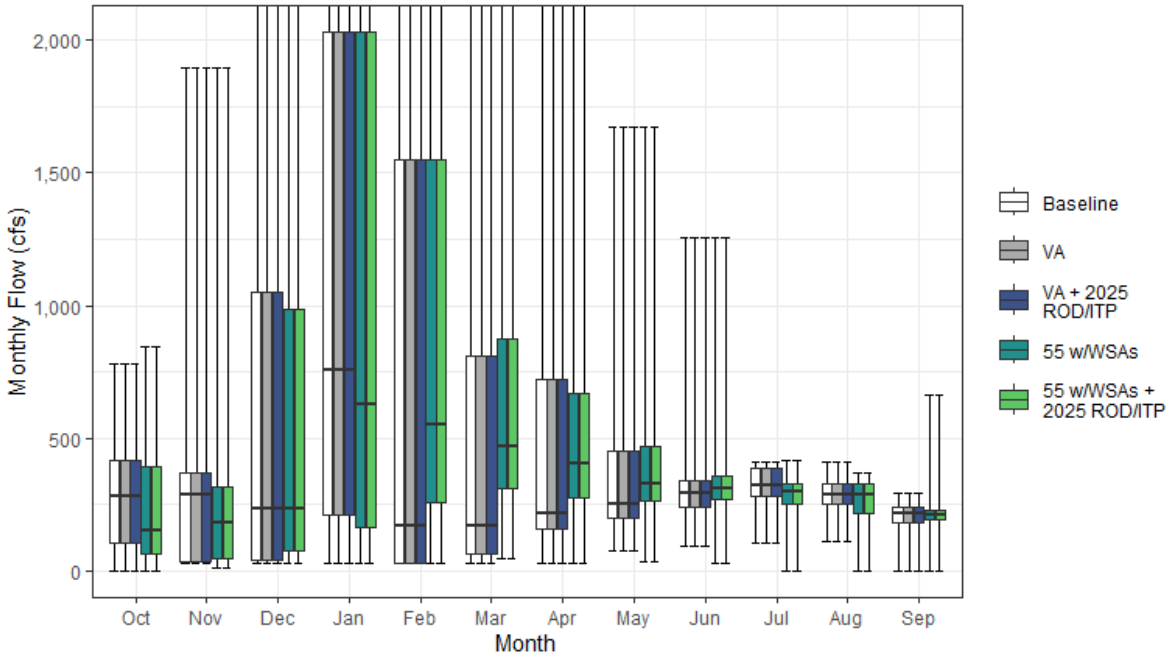

Figure H1a7-34. Stony Creek Streamflow below Black Butte Reservoir Monthly Boxplot (cfs)

Table H1a7-67. Cumulative Distribution of Monthly Flow (cfs) — Stony Creek below Black Butte Reservoir (SWRCB Black Butte)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	30	30	30	30	30	30	73	94	104	108	0	44
10%	53	30	30	64	30	54	89	182	211	248	219	112	125
25%	102	31	42	209	30	61	159	199	238	279	248	182	165
50%	279	284	231	755	169	167	213	248	293	320	284	213	283
75%	416	366	1,051	2,031	1,549	809	724	451	342	384	326	239	590
90%	532	679	2,192	3,933	3,202	1,744	1,336	888	383	410	385	255	753
100%	778	1,896	4,949	8,485	9,018	6,740	3,880	1,672	1,254	410	410	294	1,396
Mean	284	320	776	1,384	1,096	686	569	400	306	324	289	199	399
VA													
0%	0	30	30	30	30	30	30	73	94	104	108	0	44
10%	53	30	30	64	30	54	89	182	211	248	219	112	125
25%	102	31	42	209	30	61	159	199	238	279	248	182	165
50%	279	284	231	755	169	167	213	248	293	320	284	213	283
75%	416	366	1,052	2,031	1,549	809	724	451	342	384	326	239	590
90%	531	679	2,192	3,933	3,202	1,744	1,336	888	383	410	385	255	753
100%	778	1,896	4,949	8,485	9,018	6,740	3,880	1,672	1,254	410	410	294	1,396
Mean	284	320	776	1,384	1,096	686	569	400	306	324	289	199	399
VA + 2025 ROD/ITP													
0%	0	30	30	30	30	30	30	73	94	104	108	0	44
10%	53	30	30	64	30	54	89	182	211	248	219	112	125
25%	102	31	42	209	30	61	159	199	238	279	248	182	165
50%	279	284	231	755	169	167	213	248	293	320	284	213	283
75%	416	366	1,052	2,031	1,549	809	724	451	342	384	326	239	590
90%	531	679	2,192	3,933	3,202	1,744	1,336	888	383	410	385	255	753
100%	778	1,895	4,949	8,485	9,018	6,740	3,880	1,672	1,254	410	410	294	1,396
Mean	284	320	776	1,384	1,096	686	569	400	306	324	289	199	399
55 w/WSAs													
0%	0	8	30	30	30	43	30	33	30	0	0	0	20
10%	34	31	45	89	135	203	209	209	219	188	93	146	153
25%	64	48	73	164	256	308	277	261	271	251	217	190	194
50%	150	182	234	629	551	470	405	327	307	299	285	209	298
75%	393	313	988	2,031	1,549	875	669	468	356	329	325	229	607
90%	765	446	2,097	3,825	3,202	1,621	1,271	729	399	357	337	255	729
100%	847	1,895	4,949	7,937	9,018	6,740	3,880	1,672	1,254	418	369	660	1,398
Mean	247	239	727	1,312	1,231	828	622	427	318	279	255	220	403
55 w/WSAs + 2025 ROD/ITP													
0%	0	8	30	30	30	43	30	33	30	0	0	0	20
10%	34	31	45	89	135	203	209	209	219	188	93	146	153
25%	64	48	73	164	256	308	277	261	271	251	217	190	194
50%	150	182	234	629	551	470	405	327	307	299	285	209	298
75%	393	313	988	2,031	1,549	875	669	468	356	329	325	229	607
90%	765	446	2,097	3,825	3,202	1,621	1,271	729	399	357	338	255	729
100%	847	1,896	4,949	7,937	9,018	6,740	3,880	1,672	1,254	418	369	660	1,398
Mean	247	239	727	1,312	1,231	828	622	427	318	279	255	220	403

Table H1a7-68. Water Year Average of Monthly Flows (cfs) — Stony Creek below Black Butte Reservoir (SWRCB Black Butte)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	162	111	153	292	123	134	135	187	227	285	246	155
D	255	270	373	385	236	184	210	251	274	317	268	182
BN	305	289	404	786	538	259	345	269	290	305	299	210
AN	282	341	848	2,077	1,734	855	556	475	314	350	299	221
W	358	478	1,611	2,801	2,345	1,553	1,212	676	378	353	317	220
All	284	320	776	1,384	1,096	686	569	400	306	324	289	199
VA												
C	162	111	153	292	123	134	135	187	227	285	246	155
D	255	270	373	385	236	184	210	251	274	317	268	182
BN	305	289	404	786	538	259	345	269	290	305	299	210
AN	282	341	848	2,077	1,734	855	556	475	314	350	299	221
W	358	478	1,611	2,801	2,345	1,553	1,212	676	378	353	317	220
All	284	320	776	1,384	1,096	686	569	400	306	324	289	199
VA + 2025 ROD/ITP												
C	162	111	153	292	123	134	135	187	227	285	246	155
D	255	270	373	385	236	184	210	251	274	317	268	182
BN	305	289	404	786	538	259	345	269	290	305	299	210
AN	282	341	848	2,077	1,734	855	556	475	314	350	299	221
W	358	478	1,611	2,801	2,345	1,553	1,212	676	378	353	317	219
All	284	320	776	1,384	1,096	686	569	400	306	324	289	199
55 w/WSAs												
C	124	81	142	228	260	258	197	214	214	252	190	105
D	260	203	342	374	403	397	311	293	282	306	282	194
BN	250	177	377	679	692	457	449	323	310	309	306	210
AN	128	178	735	1,947	1,794	937	580	485	350	318	297	226
W	350	412	1,541	2,724	2,471	1,638	1,202	683	393	239	222	305
All	247	239	727	1,312	1,231	828	622	427	318	279	255	220
55 w/WSAs + 2025 ROD/ITP												
C	124	81	142	228	260	258	197	214	214	252	190	105
D	260	203	342	374	403	397	311	293	282	306	282	194
BN	250	177	377	679	692	457	449	323	310	309	306	210
AN	128	178	735	1,947	1,794	937	580	485	349	318	297	226
W	350	412	1,541	2,724	2,471	1,638	1,202	683	393	239	222	305
All	247	239	727	1,312	1,231	828	622	427	318	279	255	220

H1a7.2.35 Stony Creek above Confluence with Sacramento River (SWRCB Stony Creek)

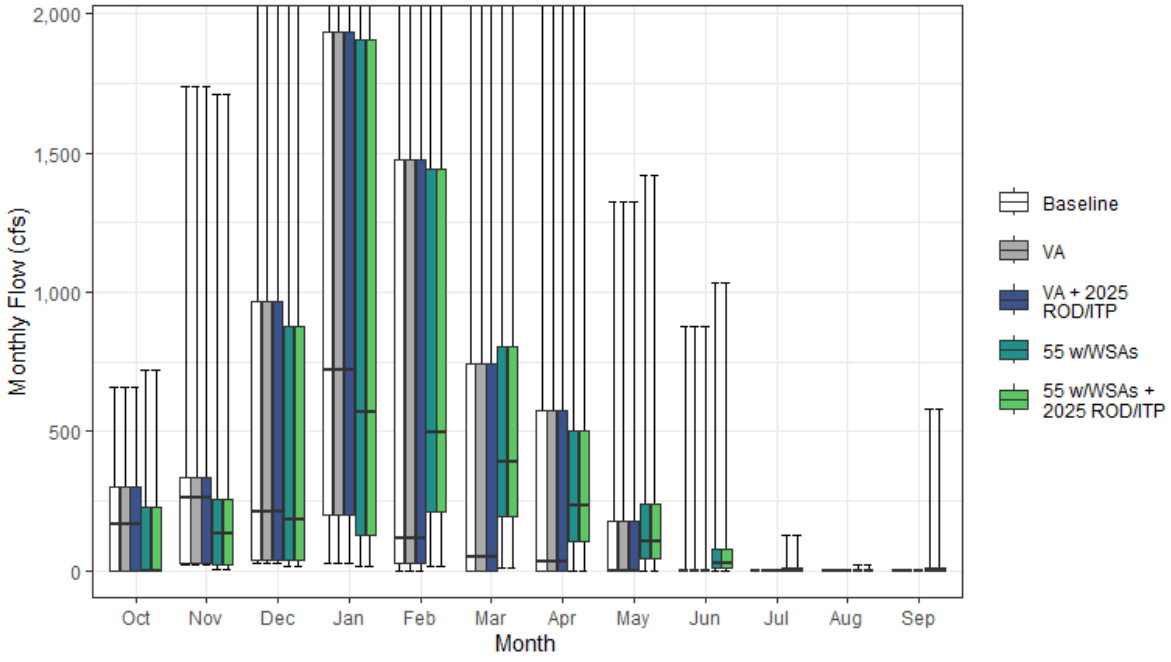

Figure H1a7-35. Stony Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-69. Cumulative Distribution of Monthly Flow (cfs) — Stony Creek above Confluence with Sacramento River (SWRCB Stony Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	23	27	29	0	0	0	0	0	0	0	0	5
10%	0	27	27	61	29	0	0	0	0	0	0	0	30
25%	0	28	37	199	29	0	0	0	0	0	0	0	63
50%	169	260	211	719	115	49	34	1	0	0	0	0	180
75%	302	335	964	1,934	1,475	741	573	177	1	0	0	0	455
90%	433	622	2,010	3,745	3,048	1,632	1,111	536	3	0	0	0	606
100%	658	1,738	4,538	8,078	8,586	6,389	3,344	1,325	874	0	0	0	1,204
Mean	182	292	711	1,318	1,040	598	394	156	21	0	0	0	283
VA													
0%	0	23	27	29	0	0	0	0	0	0	0	0	5
10%	0	27	27	61	29	0	0	0	0	0	0	0	30
25%	0	28	37	199	29	0	0	0	0	0	0	0	63
50%	169	260	211	719	115	49	34	1	0	0	0	0	180
75%	302	335	964	1,934	1,475	741	573	177	1	0	0	0	455
90%	433	622	2,010	3,745	3,048	1,632	1,111	536	3	0	0	0	606
100%	658	1,738	4,538	8,078	8,586	6,389	3,344	1,325	874	0	0	0	1,204
Mean	182	292	711	1,318	1,040	598	394	156	21	0	0	0	283
VA + 2025 ROD/ITP													
0%	0	23	27	29	0	0	0	0	0	0	0	0	5
10%	0	27	27	61	29	0	0	0	0	0	0	0	30
25%	0	28	37	199	29	0	0	0	0	0	0	0	63
50%	169	260	211	719	115	49	34	1	0	0	0	0	180
75%	302	335	964	1,934	1,475	741	573	177	1	0	0	0	455
90%	433	622	2,010	3,745	3,048	1,632	1,111	536	3	0	0	0	606
100%	658	1,738	4,538	8,078	8,586	6,389	3,344	1,325	874	0	0	0	1,204
Mean	182	292	711	1,318	1,040	598	394	156	21	0	0	0	283
55 w/WSAs													
0%	0	5	15	15	15	7	1	1	0	0	0	0	6
10%	0	15	20	55	90	93	44	19	1	0	0	0	48
25%	0	23	37	126	209	194	105	43	8	0	0	1	83
50%	0	134	184	569	494	392	231	103	28	0	0	3	181
75%	226	254	876	1,904	1,444	803	500	239	75	12	0	8	468
90%	587	371	1,893	3,612	3,018	1,508	1,062	513	153	23	4	22	601
100%	721	1,708	4,508	7,526	8,556	6,387	3,340	1,422	1,036	129	23	578	1,274
Mean	138	192	639	1,219	1,138	728	437	215	70	9	1	42	289
55 w/WSAs + 2025 ROD/ITP													
0%	0	5	15	15	15	7	1	1	0	0	0	0	6
10%	0	15	20	55	90	93	44	19	1	0	0	0	48
25%	0	23	37	126	209	194	105	43	8	0	0	1	83
50%	0	134	184	569	494	392	231	103	28	0	0	3	181
75%	226	254	876	1,904	1,444	803	500	239	75	12	0	8	468
90%	587	371	1,893	3,612	3,018	1,508	1,062	513	153	23	4	22	601
100%	721	1,708	4,508	7,526	8,556	6,387	3,340	1,422	1,036	129	23	578	1,274
Mean	138	192	639	1,219	1,138	728	437	215	70	9	1	42	289

Table H1a7-70. Water Year Average of Monthly Flows (cfs) — Stony Creek above Confluence with Sacramento River (SWRCB Stony Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	82	101	140	278	103	25	2	4	1	0	0	0
D	157	246	342	366	222	103	67	35	0	0	0	0
BN	192	263	370	748	507	201	179	43	1	0	0	0
AN	187	312	777	1,978	1,651	779	397	212	8	0	0	0
W	247	438	1,477	2,667	2,232	1,445	976	375	64	0	0	0
All	182	292	711	1,318	1,040	598	394	156	21	0	0	0
VA												
C	82	101	140	278	103	25	2	4	1	0	0	0
D	157	246	342	366	222	103	67	35	0	0	0	0
BN	192	263	370	748	507	201	179	43	1	0	0	0
AN	187	312	777	1,978	1,651	779	397	212	8	0	0	0
W	247	438	1,477	2,667	2,232	1,445	976	375	64	0	0	0
All	182	292	711	1,318	1,040	598	394	156	21	0	0	0
VA + 2025 ROD/ITP												
C	82	101	140	278	103	25	2	4	1	0	0	0
D	157	246	342	366	222	103	67	35	0	0	0	0
BN	192	263	370	748	507	201	179	43	1	0	0	0
AN	187	312	777	1,978	1,651	779	397	212	8	0	0	0
W	247	438	1,477	2,667	2,232	1,445	976	375	64	0	0	0
All	182	292	711	1,318	1,040	598	394	156	21	0	0	0
55 w/WSAs												
C	55	57	108	191	203	148	52	27	9	0	0	2
D	137	159	284	326	350	298	136	73	14	2	1	3
BN	131	134	319	616	624	378	267	107	31	3	0	2
AN	31	137	643	1,823	1,678	857	424	258	67	10	1	5
W	231	347	1,383	2,563	2,322	1,524	977	469	168	22	4	130
All	138	192	639	1,219	1,138	728	437	215	70	9	1	42
55 w/WSAs + 2025 ROD/ITP												
C	55	57	108	191	203	148	52	27	9	0	0	2
D	137	159	284	326	350	298	136	73	14	2	1	3
BN	131	134	319	616	624	378	267	107	31	3	0	2
AN	31	137	643	1,823	1,678	857	424	258	67	10	1	5
W	231	347	1,383	2,563	2,322	1,524	977	469	168	22	4	130
All	138	192	639	1,219	1,138	728	437	215	70	9	1	42

H1a7.2.36 Sutter Bypass near Karnak

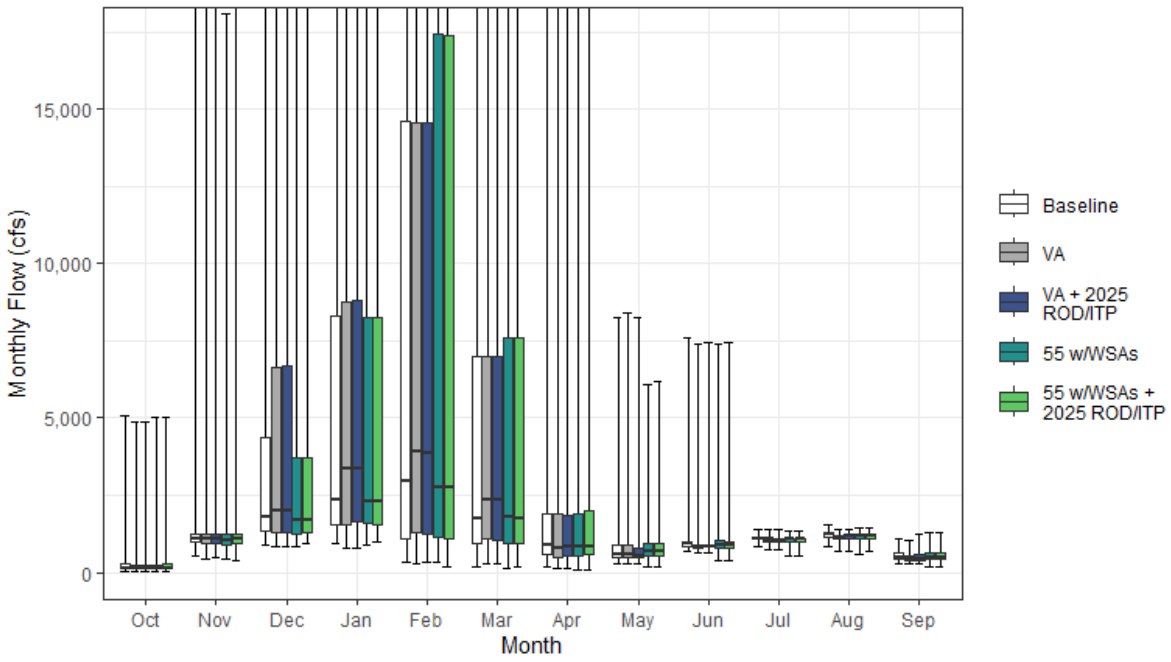

Figure H1a7-36. Sutter Bypass Streamflow near Karnak Monthly Boxplot (cfs)

Table H1a7-71. Cumulative Distribution of Monthly Flow (cfs) — Sutter Bypass near Karnak

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	59	545	908	965	317	177	161	306	673	820	835	293	484
10%	104	850	1,098	1,232	635	573	326	407	775	935	1,061	353	683
25%	123	1,007	1,324	1,543	1,091	938	571	500	858	1,075	1,122	434	834
50%	156	1,102	1,810	2,375	2,936	1,769	891	591	927	1,098	1,256	475	1,407
75%	268	1,241	4,351	8,305	14,607	7,007	1,898	912	1,000	1,159	1,300	615	3,574
90%	540	1,501	18,079	27,589	38,972	21,496	7,847	1,241	1,096	1,216	1,390	692	6,419
100%	5,072	20,111	41,151	71,772	103,813	74,776	37,338	8,274	7,619	1,390	1,522	1,068	10,119
Mean	290	1,437	5,392	9,112	12,400	7,083	2,965	876	1,052	1,102	1,232	517	2,592
VA													
0%	55	460	863	804	272	289	126	300	663	741	665	292	527
10%	101	811	1,072	1,168	675	575	351	429	787	873	1,019	370	674
25%	120	949	1,286	1,557	1,273	1,113	473	481	816	1,004	1,089	401	869
50%	148	1,075	1,977	3,355	3,904	2,378	797	579	863	1,029	1,157	446	1,427
75%	255	1,236	6,650	8,777	14,529	6,988	1,876	891	911	1,145	1,209	563	3,765
90%	523	1,470	16,384	27,582	38,929	21,491	7,771	1,165	1,012	1,185	1,304	660	6,379
100%	4,880	20,112	41,141	71,810	103,808	74,768	37,338	8,425	7,372	1,390	1,418	1,052	10,087
Mean	272	1,369	5,699	9,705	12,817	7,380	2,959	870	996	1,047	1,156	491	2,670
VA + 2025 ROD/ITP													
0%	55	494	854	803	317	289	120	298	663	741	714	292	533
10%	100	828	971	1,205	663	556	342	406	775	878	1,045	341	661
25%	119	943	1,274	1,629	1,244	1,039	545	470	818	1,003	1,099	387	876
50%	140	1,073	1,978	3,355	3,861	2,378	819	543	865	1,029	1,181	450	1,448
75%	251	1,243	6,705	8,792	14,541	6,993	1,874	778	913	1,102	1,232	578	3,710
90%	497	1,498	16,520	27,582	38,913	21,491	7,777	1,152	992	1,173	1,337	620	6,331
100%	4,880	20,064	41,141	71,810	103,811	74,771	37,291	8,248	7,433	1,390	1,417	1,250	10,083
Mean	268	1,373	5,707	9,694	12,802	7,384	2,972	842	995	1,043	1,174	487	2,669
55 w/WSAs													
0%	53	442	847	881	317	160	94	190	392	524	589	198	369
10%	95	815	1,069	1,161	594	574	349	291	530	815	893	364	621
25%	113	892	1,261	1,601	1,155	918	552	517	803	1,006	1,080	430	779
50%	144	1,051	1,708	2,325	2,738	1,783	827	686	902	1,077	1,212	485	1,324
75%	259	1,245	3,702	8,267	17,421	7,575	1,906	964	1,022	1,118	1,264	664	3,556
90%	496	1,541	15,621	26,981	38,874	21,489	7,787	1,207	1,170	1,169	1,294	703	6,182
100%	5,003	18,095	41,170	71,768	103,707	74,774	37,335	6,093	7,403	1,334	1,448	1,282	10,075
Mean	275	1,320	4,924	8,957	12,388	7,259	2,945	865	1,004	1,036	1,148	531	2,543
55 w/WSAs + 2025 ROD/ITP													
0%	47	412	919	973	173	171	96	188	391	524	698	185	394
10%	97	822	1,095	1,130	633	574	284	292	552	820	932	359	639
25%	117	938	1,274	1,550	1,084	918	580	521	813	1,005	1,075	420	787
50%	145	1,096	1,688	2,321	2,743	1,767	839	686	905	1,076	1,218	487	1,313
75%	269	1,221	3,697	8,237	17,350	7,599	1,986	943	976	1,115	1,263	642	3,553
90%	518	1,550	15,746	27,302	38,874	21,480	7,863	1,183	1,159	1,157	1,294	687	6,195
100%	5,021	19,623	41,170	71,768	103,709	74,774	37,335	6,159	7,448	1,330	1,431	1,290	10,074
Mean	276	1,358	5,024	8,968	12,401	7,215	2,946	868	1,002	1,032	1,161	519	2,550

Table H1a7-72. Water Year Average of Monthly Flows (cfs) — Sutter Bypass near Karnak

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	157	1,006	1,859	1,731	1,636	1,137	393	514	827	968	1,089	357
D	222	1,085	2,552	1,966	2,811	2,135	729	568	933	1,098	1,287	528
BN	240	1,083	3,217	2,851	6,769	2,005	1,270	590	932	1,094	1,314	479
AN	268	1,072	3,796	10,769	16,742	8,283	1,625	1,220	953	1,180	1,239	628
W	451	2,296	11,373	21,590	27,001	16,620	7,585	1,339	1,375	1,151	1,213	573
All	290	1,437	5,392	9,112	12,400	7,083	2,965	876	1,052	1,102	1,232	517
VA												
C	156	957	2,066	2,071	1,923	1,193	377	511	816	930	1,091	363
D	189	1,022	2,851	2,018	3,383	2,351	653	512	846	1,025	1,188	481
BN	222	1,030	3,262	4,129	7,170	2,614	1,225	583	850	1,038	1,169	461
AN	238	1,030	4,037	11,481	17,126	8,763	1,935	1,359	896	1,116	1,126	528
W	441	2,195	11,933	22,233	27,398	16,833	7,533	1,309	1,335	1,102	1,170	572
All	272	1,369	5,699	9,705	12,817	7,380	2,959	870	996	1,047	1,156	491
VA + 2025 ROD/ITP												
C	166	992	2,051	2,089	1,927	1,183	393	482	816	920	1,095	380
D	165	1,069	2,834	2,002	3,383	2,359	642	480	844	1,017	1,192	553
BN	216	1,022	3,242	4,086	7,122	2,578	1,302	584	866	1,029	1,198	472
AN	255	1,001	3,976	11,520	17,112	8,738	1,950	1,314	875	1,100	1,173	504
W	435	2,170	12,017	22,214	27,382	16,878	7,522	1,273	1,331	1,114	1,189	497
All	268	1,373	5,707	9,694	12,802	7,384	2,972	842	995	1,043	1,174	487
55 w/WSAs												
C	144	897	1,817	1,656	1,595	1,126	334	338	560	772	819	345
D	191	1,048	2,323	1,915	2,717	2,305	690	591	830	1,056	1,224	563
BN	226	1,059	3,145	2,746	6,672	2,468	1,210	690	900	1,075	1,232	536
AN	230	1,047	3,641	10,626	17,735	8,735	1,561	1,266	984	1,128	1,233	594
W	455	2,020	10,128	21,283	26,719	16,607	7,643	1,296	1,441	1,101	1,182	579
All	275	1,320	4,924	8,957	12,388	7,259	2,945	865	1,004	1,036	1,148	531
55 w/WSAs + 2025 ROD/ITP												
C	160	953	1,856	1,688	1,578	1,126	321	345	583	785	921	351
D	192	1,102	2,393	1,917	2,713	2,216	706	616	848	1,026	1,226	540
BN	218	1,033	3,107	2,724	6,788	2,318	1,220	682	897	1,078	1,245	542
AN	243	1,065	3,643	10,754	17,664	8,747	1,540	1,258	977	1,129	1,218	611
W	450	2,085	10,409	21,262	26,728	16,618	7,643	1,293	1,416	1,101	1,164	543
All	276	1,358	5,024	8,968	12,401	7,215	2,946	868	1,002	1,032	1,161	519

H1a7.2.37 Thomes Creek above Confluence with Sacramento River (SWRCB Thomes Creek)

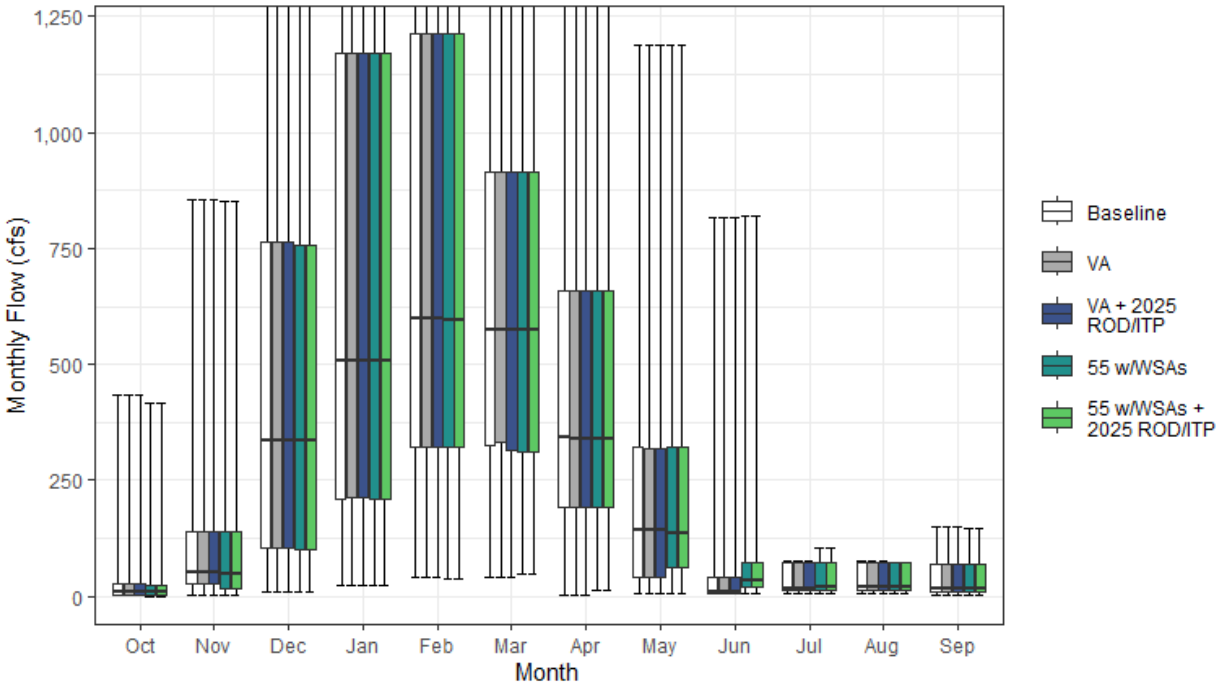

Figure H1a7-37. Thomes Creek Streamflow above Confluence with Sacramento River Monthly Boxplot (cfs)

Table H1a7-73. Cumulative Distribution of Monthly Flow (cfs) — Thomes Creek above Confluence with Sacramento River (SWRCB Thomes Creek)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	1	4	9	25	39	43	3	5	6	6	5	4	20
10%	2	12	37	115	152	193	85	14	6	8	7	5	73
25%	3	27	102	211	320	327	191	42	7	14	14	11	128
50%	10	52	335	509	600	576	342	144	9	18	19	17	195
75%	25	140	762	1,170	1,213	914	660	321	41	71	71	69	331
90%	64	286	1,241	1,784	2,097	1,471	920	609	137	73	73	70	450
100%	435	854	2,757	4,180	5,326	2,975	2,054	1,187	816	75	75	148	699
Mean	29	120	519	781	931	702	463	242	50	37	37	37	236
VA													
0%	1	4	9	25	39	43	3	5	6	6	5	4	20
10%	2	12	37	115	152	193	85	14	6	8	7	5	75
25%	3	27	102	211	320	331	191	42	7	14	14	11	128
50%	10	52	335	509	600	576	341	144	9	18	19	17	195
75%	25	140	762	1,170	1,213	914	659	320	41	71	71	69	331
90%	64	286	1,241	1,784	2,097	1,471	920	609	137	73	73	70	450
100%	435	854	2,757	4,180	5,326	2,975	2,054	1,187	816	75	75	148	699
Mean	29	120	519	781	931	705	462	242	50	37	37	37	237
VA + 2025 ROD/ITP													
0%	1	4	9	25	39	43	3	5	6	6	5	4	20
10%	2	12	37	115	152	193	85	14	6	8	7	5	74
25%	3	27	102	211	320	316	191	42	7	14	14	11	128
50%	10	52	335	509	600	576	341	144	9	18	19	17	195
75%	26	140	762	1,170	1,213	914	659	320	41	71	71	69	331
90%	64	286	1,241	1,784	2,097	1,471	920	609	137	73	73	70	450
100%	435	854	2,757	4,180	5,326	2,975	2,054	1,187	816	75	75	148	699
Mean	29	120	519	781	931	704	462	242	50	37	37	37	236
55 w/WSAs													
0%	1	3	10	22	39	48	14	7	6	6	6	4	22
10%	3	11	35	114	151	193	81	37	13	8	7	5	72
25%	4	16	100	211	320	310	191	63	21	14	14	11	129
50%	10	48	335	509	597	575	341	136	35	19	18	17	198
75%	25	139	758	1,170	1,213	914	660	320	71	72	71	69	332
90%	58	282	1,240	1,784	2,096	1,471	919	609	137	73	73	69	453
100%	418	853	2,756	4,180	5,326	2,975	2,054	1,187	820	103	74	147	700
Mean	28	116	517	780	929	700	461	246	68	38	37	37	237
55 w/WSAs + 2025 ROD/ITP													
0%	1	3	10	22	39	48	14	7	6	6	6	4	22
10%	3	11	35	114	151	193	81	37	13	8	7	5	72
25%	4	16	100	211	320	310	191	63	21	14	14	11	129
50%	10	48	335	509	597	575	341	136	35	19	18	17	198
75%	25	139	758	1,170	1,213	914	660	320	71	72	71	69	332
90%	58	282	1,240	1,784	2,096	1,471	920	609	137	73	73	69	452
100%	418	853	2,756	4,180	5,326	2,975	2,054	1,187	820	103	74	147	701
Mean	28	116	517	780	929	699	461	246	68	38	37	37	237

Table H1a7-74. Water Year Average of Monthly Flows (cfs) — Thomes Creek above Confluence with Sacramento River (SWRCB Thomes Creek)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	17	25	253	295	402	296	119	48	14	7	7	6
D	14	107	336	286	583	485	258	104	9	14	14	19
BN	23	67	268	631	634	556	462	147	26	18	19	20
AN	34	129	556	1,116	1,246	896	500	337	55	61	60	59
W	49	211	940	1,363	1,530	1,092	781	468	112	72	72	69
All	29	120	519	781	931	702	463	242	50	37	37	37
VA												
C	17	25	253	295	402	310	119	48	14	7	7	6
D	14	107	336	286	583	487	258	104	9	14	14	19
BN	23	67	268	631	634	560	462	147	25	18	19	20
AN	34	130	556	1,116	1,246	896	499	336	55	61	60	59
W	49	210	940	1,363	1,530	1,092	781	468	113	72	72	69
All	29	120	519	781	931	705	462	242	50	37	37	37
VA + 2025 ROD/ITP												
C	17	25	253	295	402	303	119	48	14	7	7	6
D	14	107	336	286	583	485	258	104	9	14	14	19
BN	23	67	268	631	634	559	461	147	26	18	19	20
AN	34	129	556	1,116	1,246	896	499	336	55	61	60	59
W	49	211	940	1,363	1,530	1,092	782	468	112	72	72	69
All	29	120	519	781	931	704	462	242	50	37	37	37
55 w/WSAs												
C	15	20	251	293	401	297	119	55	17	8	7	6
D	14	101	334	285	579	479	251	111	26	16	14	19
BN	22	64	267	630	632	556	461	151	43	19	19	20
AN	33	127	554	1,115	1,246	896	499	338	83	61	60	59
W	47	207	938	1,363	1,529	1,091	781	471	136	75	72	69
All	28	116	517	780	929	700	461	246	68	38	37	37
55 w/WSAs + 2025 ROD/ITP												
C	15	20	251	293	401	293	119	55	17	8	7	6
D	14	101	334	285	579	476	251	111	26	16	14	19
BN	22	64	267	630	632	555	461	151	43	19	19	20
AN	33	127	554	1,115	1,246	896	499	337	83	61	60	59
W	47	207	939	1,363	1,529	1,091	781	471	136	75	72	69
All	28	116	517	780	929	699	461	246	68	38	37	37

H1a7.2.38 Trinity River below Lewiston Reservoir (SWRCB Trinity)

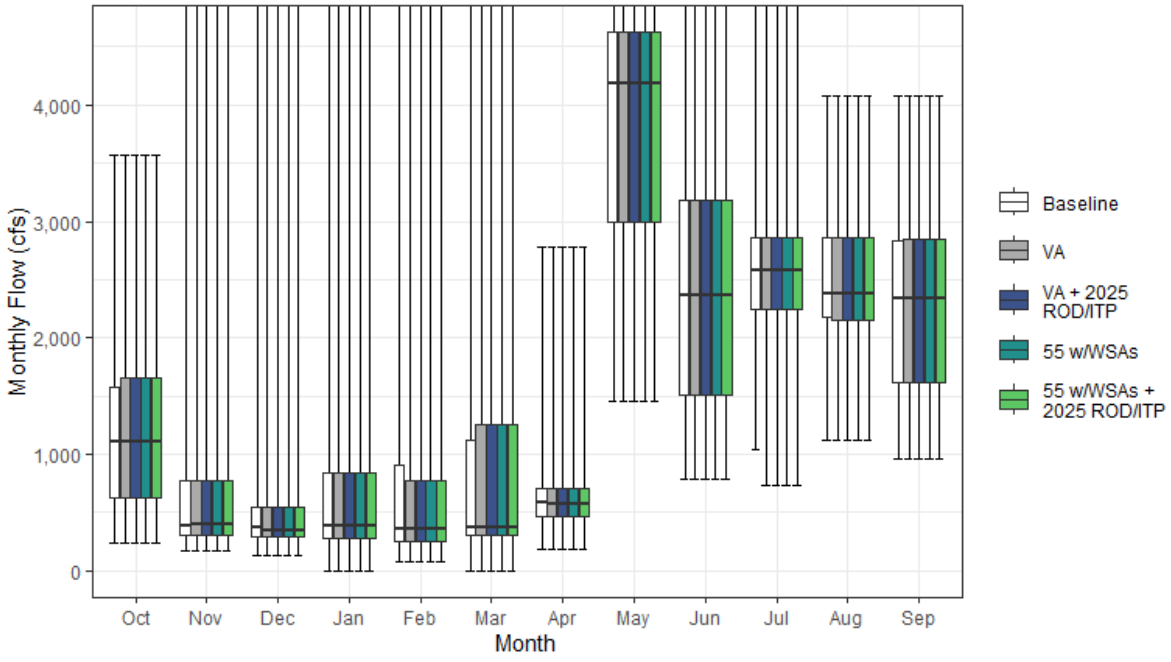

Figure H1a7-38. Trinity River Streamflow below Lewiston Reservoir Monthly Boxplot (cfs)

Table H1a7-75. Cumulative Distribution of Monthly Flow (cfs) — Trinity River below Lewiston Reservoir (SWRCB Trinity)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	239	165	134	0	74	0	177	1,455	786	1,037	1,116	954	661
10%	375	275	243	225	175	230	404	1,717	1,014	1,112	1,868	1,339	833
25%	626	297	289	275	253	301	467	2,988	1,505	2,251	2,184	1,618	955
50%	1,112	387	368	382	358	372	581	4,183	2,370	2,579	2,378	2,340	1,083
75%	1,573	766	549	837	907	1,121	703	4,626	3,181	2,860	2,866	2,836	1,326
90%	2,199	801	1,859	2,035	2,939	2,087	991	4,814	4,412	3,913	3,568	2,899	1,663
100%	3,576	6,095	5,637	7,952	9,461	6,170	2,779	8,633	7,808	6,611	4,079	4,075	2,816
Mean	1,200	610	761	892	952	893	724	3,864	2,491	2,617	2,519	2,211	1,196
VA													
0%	239	165	134	0	74	0	177	1,455	786	734	1,116	954	661
10%	375	282	243	225	175	230	404	1,717	1,014	1,112	1,868	1,189	835
25%	626	300	288	281	252	301	466	2,988	1,505	2,251	2,145	1,618	946
50%	1,112	400	347	382	351	377	568	4,183	2,370	2,579	2,378	2,343	1,091
75%	1,649	773	549	837	774	1,259	699	4,626	3,181	2,860	2,866	2,842	1,328
90%	2,190	824	1,652	2,036	2,799	2,087	990	4,814	4,412	4,052	3,516	2,914	1,663
100%	3,576	6,095	5,637	7,952	9,461	6,170	2,779	8,633	7,808	6,611	4,079	4,075	2,816
Mean	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209	1,196
VA + 2025 ROD/ITP													
0%	239	165	134	0	74	0	177	1,455	786	734	1,116	954	661
10%	375	282	243	225	175	230	404	1,717	1,014	1,112	1,868	1,189	835
25%	626	300	288	281	252	301	466	2,988	1,505	2,251	2,145	1,618	946
50%	1,112	400	347	382	351	377	568	4,183	2,370	2,579	2,378	2,343	1,091
75%	1,649	773	549	837	774	1,259	699	4,626	3,181	2,860	2,866	2,842	1,328
90%	2,190	824	1,652	2,036	2,799	2,087	990	4,814	4,412	4,052	3,516	2,914	1,663
100%	3,576	6,095	5,637	7,952	9,461	6,170	2,779	8,633	7,808	6,611	4,079	4,075	2,816
Mean	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209	1,196
55 w/WSAs													
0%	239	165	134	0	74	0	177	1,455	786	734	1,116	954	661
10%	375	282	243	225	175	230	404	1,717	1,014	1,112	1,868	1,189	835
25%	626	300	288	281	252	301	466	2,988	1,505	2,251	2,145	1,618	946
50%	1,112	400	347	382	351	377	568	4,183	2,370	2,579	2,378	2,343	1,091
75%	1,649	773	549	837	774	1,259	699	4,626	3,181	2,860	2,866	2,842	1,328
90%	2,190	824	1,652	2,036	2,799	2,087	990	4,814	4,412	4,052	3,516	2,914	1,663
100%	3,576	6,095	5,637	7,952	9,461	6,170	2,779	8,633	7,808	6,611	4,079	4,075	2,816
Mean	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209	1,196
55 w/WSAs + 2025 ROD/ITP													
0%	239	165	134	0	74	0	177	1,455	786	734	1,116	954	661
10%	375	282	243	225	175	230	404	1,717	1,014	1,112	1,868	1,189	835
25%	626	300	288	281	252	301	466	2,988	1,505	2,251	2,145	1,618	946
50%	1,112	400	347	382	351	377	568	4,183	2,370	2,579	2,378	2,343	1,091
75%	1,649	773	549	837	774	1,259	699	4,626	3,181	2,860	2,866	2,842	1,328
90%	2,190	824	1,652	2,036	2,799	2,087	990	4,814	4,412	4,052	3,516	2,914	1,663
100%	3,576	6,095	5,637	7,952	9,461	6,170	2,779	8,633	7,808	6,611	4,079	4,075	2,816
Mean	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209	1,196

Table H1a7-76. Water Year Average of Monthly Flows (cfs) — Trinity River below Lewiston Reservoir (SWRCB Trinity)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	984	450	410	499	986	537	685	2,291	1,504	3,170	2,419	1,750
D	1,120	578	433	421	942	514	561	3,160	1,802	2,603	2,909	2,370
BN	1,269	438	465	686	660	771	615	3,777	2,203	2,254	2,551	2,230
AN	1,199	530	538	601	795	619	826	4,575	2,734	2,421	2,459	2,247
W	1,331	861	1,465	1,694	1,190	1,549	892	4,991	3,608	2,642	2,292	2,315
All	1,200	610	761	892	952	893	724	3,864	2,491	2,617	2,519	2,211
VA												
C	961	456	407	478	987	520	676	2,282	1,519	3,269	2,367	1,774
D	1,101	577	422	425	962	506	561	3,160	1,824	2,603	2,905	2,312
BN	1,297	516	465	711	651	825	657	3,777	2,203	2,254	2,564	2,230
AN	1,199	651	499	601	775	597	821	4,575	2,671	2,421	2,459	2,247
W	1,331	854	1,465	1,696	1,093	1,609	882	4,991	3,583	2,593	2,281	2,338
All	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209
VA + 2025 ROD/ITP												
C	961	456	407	478	987	520	676	2,282	1,519	3,269	2,367	1,774
D	1,101	577	422	425	962	506	561	3,160	1,824	2,603	2,905	2,312
BN	1,297	516	465	711	651	825	657	3,777	2,203	2,254	2,564	2,230
AN	1,199	651	499	601	775	597	821	4,575	2,671	2,421	2,459	2,247
W	1,331	854	1,465	1,696	1,093	1,609	882	4,991	3,583	2,593	2,281	2,338
All	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209
55 w/WSAs												
C	961	456	407	478	987	520	676	2,282	1,519	3,269	2,367	1,774
D	1,101	577	422	425	962	506	561	3,160	1,824	2,603	2,905	2,312
BN	1,297	516	465	711	651	825	657	3,777	2,203	2,254	2,564	2,230
AN	1,199	651	499	601	775	597	821	4,575	2,671	2,421	2,459	2,247
W	1,331	854	1,465	1,696	1,093	1,609	882	4,991	3,583	2,593	2,281	2,338
All	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209
55 w/WSAs + 2025 ROD/ITP												
C	961	456	407	478	987	520	676	2,282	1,519	3,269	2,367	1,774
D	1,101	577	422	425	962	506	561	3,160	1,824	2,603	2,905	2,312
BN	1,297	516	465	711	651	825	657	3,777	2,203	2,254	2,564	2,230
AN	1,199	651	499	601	775	597	821	4,575	2,671	2,421	2,459	2,247
W	1,331	854	1,465	1,696	1,093	1,609	882	4,991	3,583	2,593	2,281	2,338
All	1,197	639	753	895	924	915	727	3,863	2,483	2,618	2,509	2,209

H1a7.2.39 Yolo Bypass below Putah Creek Inflow

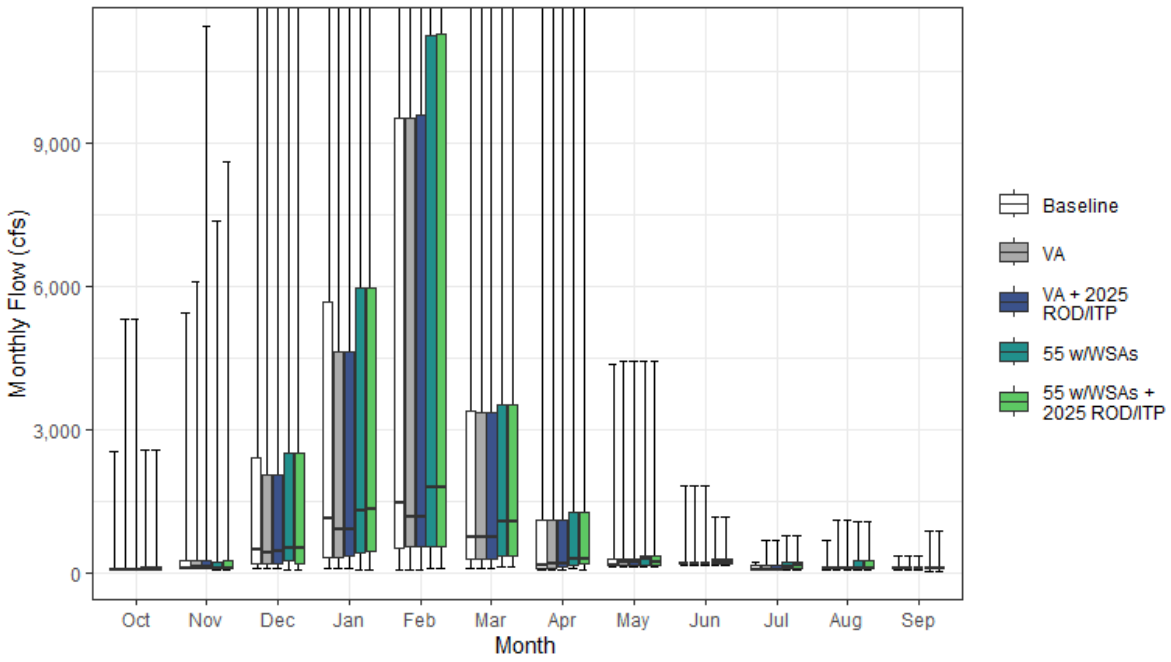

Figure H1a7-39. Yolo Bypass Streamflow below Putah Creek Inflow Monthly Boxplot (cfs)

Table H1a7-77. Cumulative Distribution of Monthly Flow (cfs) — Yolo Bypass below Putah Creek Inflow

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	47	75	76	82	66	86	64	109	139	58	71	64	85
10%	51	78	95	152	132	126	82	144	173	66	76	73	135
25%	54	80	173	309	526	281	93	151	179	68	77	87	205
50%	61	93	469	1,116	1,451	731	139	161	187	69	80	91	530
75%	97	236	2,399	5,655	9,505	3,389	1,084	285	200	153	98	96	2,877
90%	137	360	10,880	29,016	48,611	24,495	4,060	847	299	183	114	105	7,791
100%	2,537	5,450	57,993	109,107	132,377	109,902	48,448	4,380	1,806	223	675	363	12,281
Mean	114	289	3,818	8,830	13,375	7,382	2,321	368	235	103	123	95	2,198
VA													
0%	47	89	91	87	71	90	66	124	159	57	68	67	88
10%	51	96	106	195	138	140	85	147	173	65	75	73	139
25%	54	99	191	312	530	292	98	155	178	66	77	85	202
50%	62	111	409	905	1,156	747	183	227	185	68	80	92	541
75%	103	242	2,041	4,619	9,536	3,346	1,087	280	194	147	106	97	2,881
90%	157	359	11,210	30,493	48,555	24,304	4,063	867	288	179	120	108	7,815
100%	5,323	6,084	57,979	109,158	132,101	109,902	48,482	4,414	1,804	667	1,091	362	12,379
Mean	148	305	3,701	8,749	13,229	7,368	2,339	402	237	121	128	97	2,185
VA + 2025 ROD/ITP													
0%	47	89	91	87	71	89	66	126	141	57	68	47	88
10%	51	97	106	162	138	140	88	147	173	65	75	72	152
25%	53	99	186	341	531	291	106	155	177	66	77	78	204
50%	62	109	438	905	1,156	746	177	208	185	69	82	89	536
75%	103	241	2,041	4,619	9,576	3,344	1,087	278	194	150	110	93	2,860
90%	151	392	11,634	34,410	48,997	24,439	4,063	867	285	191	135	108	7,908
100%	5,323	11,461	57,979	109,169	132,100	109,902	48,444	4,414	1,804	661	1,091	362	12,379
Mean	146	360	3,863	8,821	13,338	7,402	2,341	392	238	114	140	94	2,210
55 w/WSAs													
0%	47	64	70	68	81	113	82	124	166	56	57	34	86
10%	51	70	103	185	168	162	114	148	175	65	66	65	170
25%	54	78	260	424	547	342	163	163	186	73	75	77	282
50%	72	90	519	1,295	1,791	1,081	294	272	217	131	90	88	666
75%	110	234	2,514	5,951	11,266	3,508	1,270	350	292	208	244	131	2,857
90%	177	446	10,213	27,914	44,153	21,632	3,959	1,157	338	243	560	216	7,681
100%	2,561	7,369	56,480	104,735	125,607	109,888	46,291	4,432	1,162	757	1,076	877	12,435
Mean	126	299	3,757	9,080	12,930	7,243	2,417	457	275	160	203	120	2,202
55 w/WSAs + 2025 ROD/ITP													
0%	47	63	70	68	89	113	69	125	150	56	57	37	91
10%	51	70	91	148	168	162	113	146	174	65	67	61	162
25%	54	78	200	434	547	336	172	157	182	73	74	76	288
50%	72	92	516	1,344	1,791	1,081	291	232	230	161	90	86	652
75%	110	241	2,513	5,955	11,280	3,509	1,271	354	293	211	259	96	2,933
90%	177	391	10,602	27,945	43,915	21,678	3,958	1,157	344	244	584	200	7,672
100%	2,565	8,618	56,480	105,799	127,549	109,888	46,293	4,432	1,162	757	1,076	877	12,435
Mean	126	308	3,805	9,171	13,050	7,257	2,418	446	277	168	209	112	2,218

Table H1a7-78. Water Year Average of Monthly Flows (cfs) — Yolo Bypass below Putah Creek Inflow

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	72	133	674	818	592	331	112	167	178	76	82	80
D	66	165	886	510	1,361	664	209	186	202	96	121	103
BN	112	114	1,306	1,428	4,338	998	309	193	209	134	115	103
AN	105	228	2,614	6,985	15,120	7,052	660	363	222	98	170	98
W	177	597	9,719	24,631	34,030	20,243	6,986	721	312	104	131	90
All	114	289	3,818	8,830	13,375	7,382	2,321	368	235	103	123	95
VA												
C	72	108	698	563	593	341	107	167	180	78	89	79
D	70	202	800	517	1,220	674	237	202	208	98	127	110
BN	111	134	1,364	1,313	4,070	896	319	226	190	99	135	104
AN	116	265	2,517	6,982	15,055	7,086	682	385	184	79	121	101
W	281	611	9,383	24,569	33,845	20,236	7,012	793	340	193	149	89
All	148	305	3,701	8,749	13,229	7,368	2,339	402	237	121	128	97
VA + 2025 ROD/ITP												
C	78	123	697	571	593	339	107	165	174	86	146	79
D	69	192	812	517	1,224	674	236	209	199	119	198	111
BN	109	133	1,382	1,318	4,378	895	341	219	204	111	84	112
AN	115	247	2,485	6,974	15,044	7,255	690	359	197	72	88	88
W	274	799	9,912	24,802	34,010	20,281	7,002	771	339	145	149	81
All	146	360	3,863	8,821	13,338	7,402	2,341	392	238	114	140	94
55 w/WSAs												
C	87	98	685	932	658	358	131	198	228	161	261	179
D	80	161	941	623	1,731	1,296	254	227	265	160	212	128
BN	113	128	1,595	1,759	5,088	1,880	511	243	262	122	77	99
AN	121	188	2,245	8,327	15,134	6,451	852	487	208	93	93	89
W	189	660	9,436	24,565	31,773	18,991	7,055	889	342	211	290	107
All	126	299	3,757	9,080	12,930	7,243	2,417	457	275	160	203	120
55 w/WSAs + 2025 ROD/ITP												
C	88	111	685	910	659	357	119	178	207	152	260	184
D	84	147	914	632	1,732	1,214	265	206	258	148	237	98
BN	120	116	1,551	1,776	5,109	1,753	519	254	253	142	78	99
AN	121	210	2,270	8,552	15,146	6,645	852	462	259	145	174	93
W	183	692	9,632	24,770	32,150	19,099	7,051	879	351	216	257	101
All	126	308	3,805	9,171	13,050	7,257	2,418	446	277	168	209	112

H1a7.2.40 Yuba River, North Fork above New Bullards Bar Reservoir (SWRCB New Bullards Bar Inflow)

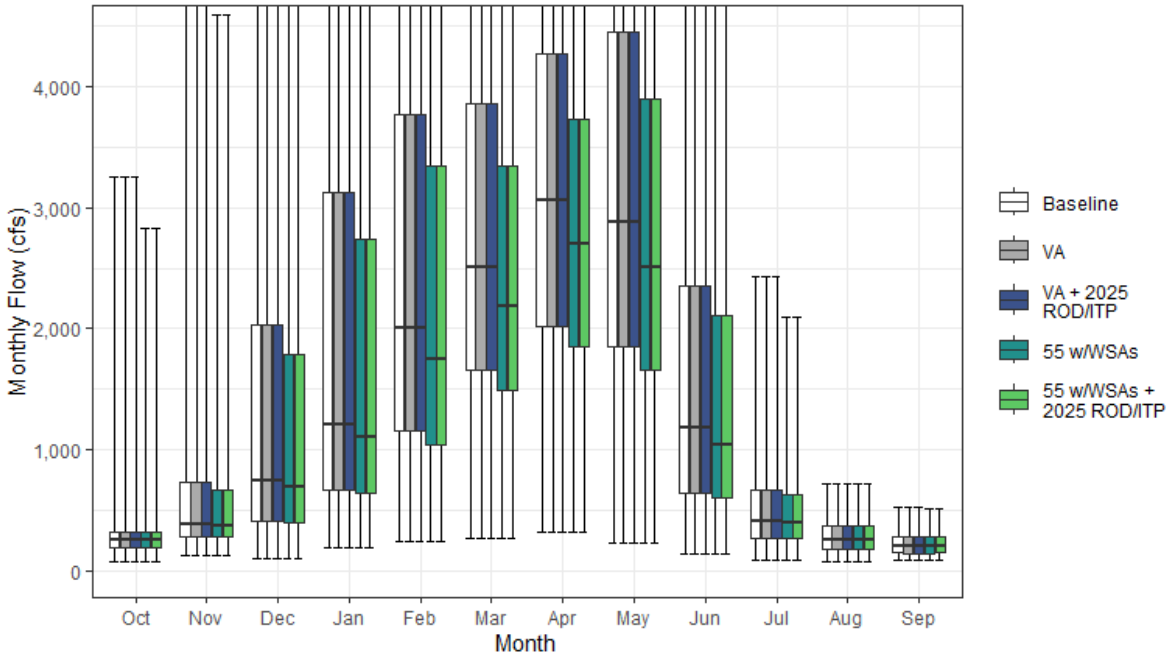

Figure H1a7-40. Yuba River, North Fork Streamflow above New Bullards Bar Reservoir Monthly Boxplot (cfs)

Table H1a7-79. Cumulative Distribution of Monthly Flow (cfs) — Yuba River, North Fork above New Bullards Bar Reservoir (SWRCB New Bullards Bar Inflow)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	73	128	102	194	241	271	317	233	142	83	67	85	141
10%	159	213	280	360	678	1,047	1,353	706	257	157	130	119	422
25%	192	281	406	670	1,152	1,652	2,018	1,847	641	263	180	144	662
50%	260	379	741	1,212	2,004	2,503	3,065	2,876	1,187	404	250	204	1,082
75%	316	725	2,027	3,132	3,772	3,866	4,279	4,453	2,355	665	371	275	1,681
90%	447	1,367	4,692	5,517	5,365	5,527	5,330	5,892	3,596	1,030	465	325	1,937
100%	3,262	5,150	9,325	11,384	13,205	7,964	7,560	7,518	6,164	2,430	712	529	2,970
Mean	306	701	1,659	2,186	2,685	2,894	3,248	3,182	1,669	539	277	218	1,177
VA													
0%	73	128	102	194	241	271	317	233	142	83	67	85	141
10%	159	213	280	360	678	1,047	1,353	706	257	157	130	119	422
25%	192	281	406	670	1,152	1,652	2,017	1,847	641	262	180	144	662
50%	260	379	741	1,212	2,004	2,503	3,065	2,876	1,187	404	250	204	1,082
75%	316	725	2,027	3,132	3,772	3,866	4,279	4,453	2,355	663	371	275	1,683
90%	447	1,367	4,692	5,517	5,365	5,527	5,330	5,892	3,595	1,030	465	325	1,952
100%	3,262	5,150	9,325	11,384	13,205	7,964	7,314	7,518	6,164	2,430	712	530	2,970
Mean	306	701	1,664	2,193	2,685	2,894	3,244	3,182	1,669	538	277	218	1,177
VA + 2025 ROD/ITP													
0%	73	128	102	194	241	271	317	233	142	83	67	85	141
10%	159	213	280	360	678	1,047	1,353	706	257	157	130	119	422
25%	192	281	406	670	1,152	1,652	2,017	1,847	641	262	180	144	662
50%	260	379	741	1,212	2,004	2,503	3,065	2,876	1,187	404	250	204	1,082
75%	316	725	2,027	3,132	3,772	3,866	4,279	4,453	2,355	663	371	275	1,683
90%	447	1,367	4,692	5,517	5,366	5,527	5,330	5,892	3,595	1,030	465	325	1,952
100%	3,262	5,150	9,325	11,384	13,205	7,964	7,314	7,518	6,164	2,430	712	530	2,970
Mean	306	701	1,664	2,193	2,685	2,895	3,244	3,182	1,669	538	277	218	1,177
55 w/WSAs													
0%	73	128	102	194	241	271	317	233	142	83	67	85	141
10%	159	213	280	355	611	942	1,231	670	257	157	130	119	394
25%	192	277	401	639	1,043	1,493	1,845	1,661	603	262	180	144	608
50%	260	372	693	1,100	1,747	2,190	2,699	2,507	1,046	392	250	204	968
75%	313	664	1,783	2,741	3,352	3,347	3,735	3,896	2,104	628	368	275	1,528
90%	429	1,173	4,314	5,092	4,958	5,095	4,782	5,298	3,089	946	454	325	1,823
100%	2,835	4,598	10,043	11,180	13,205	8,210	7,648	6,910	5,426	2,095	712	509	2,777
Mean	297	645	1,565	2,041	2,469	2,639	2,899	2,807	1,479	506	275	217	1,073
55 w/WSAs + 2025 ROD/ITP													
0%	73	128	102	194	241	271	317	233	142	83	67	85	141
10%	159	213	280	355	611	942	1,231	670	257	157	130	119	394
25%	192	277	401	639	1,043	1,493	1,845	1,661	603	262	180	144	608
50%	260	372	693	1,100	1,747	2,190	2,699	2,507	1,046	392	250	204	968
75%	313	664	1,783	2,741	3,352	3,347	3,735	3,896	2,104	628	368	275	1,528
90%	429	1,173	4,314	5,092	4,958	5,095	4,782	5,298	3,089	946	454	325	1,823
100%	2,835	4,598	10,043	11,180	13,205	8,210	7,314	6,910	5,426	2,095	712	509	2,777
Mean	297	645	1,565	2,041	2,469	2,639	2,896	2,807	1,479	506	275	217	1,073

Table H1a7-80. Water Year Average of Monthly Flows (cfs) — Yuba River, North Fork above New Bullards Bar Reservoir (SWRCB New Bullards Bar Inflow)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	240	288	516	509	886	1,229	1,288	1,038	472	172	128	114
D	237	517	920	779	1,623	2,172	2,496	2,065	793	283	187	164
BN	257	492	874	1,441	2,151	2,659	3,656	3,110	1,402	426	258	202
AN	295	889	1,311	3,079	3,282	4,050	3,469	3,764	1,567	530	312	249
W	428	1,113	3,445	4,228	4,521	3,999	4,497	4,956	3,161	998	421	310
All	306	701	1,659	2,186	2,685	2,894	3,248	3,182	1,669	539	277	218
VA												
C	240	288	516	509	886	1,229	1,288	1,038	472	172	128	114
D	237	517	920	778	1,623	2,172	2,496	2,065	793	283	187	164
BN	257	492	874	1,441	2,151	2,659	3,656	3,110	1,402	426	258	202
AN	295	889	1,311	3,114	3,282	4,050	3,458	3,764	1,567	524	312	249
W	428	1,113	3,464	4,236	4,521	3,999	4,489	4,956	3,161	998	421	310
All	306	701	1,664	2,193	2,685	2,894	3,244	3,182	1,669	538	277	218
VA + 2025 ROD/ITP												
C	240	288	516	509	886	1,229	1,288	1,038	472	172	128	114
D	237	517	920	779	1,623	2,172	2,496	2,065	793	283	187	164
BN	257	492	874	1,441	2,152	2,659	3,656	3,110	1,402	426	258	202
AN	295	889	1,311	3,114	3,282	4,050	3,458	3,764	1,567	524	312	249
W	428	1,113	3,464	4,236	4,521	4,002	4,489	4,956	3,161	998	421	310
All	306	701	1,664	2,193	2,685	2,895	3,244	3,182	1,669	538	277	218
55 w/WSAs												
C	236	283	489	485	819	1,125	1,179	957	445	172	128	114
D	236	486	854	719	1,475	1,981	2,238	1,846	737	281	187	164
BN	255	464	805	1,300	1,944	2,394	3,271	2,752	1,272	417	258	202
AN	292	814	1,303	2,838	3,024	3,807	3,041	3,279	1,386	505	311	248
W	404	1,003	3,247	3,990	4,189	3,615	4,010	4,344	2,741	905	413	307
All	297	645	1,565	2,041	2,469	2,639	2,899	2,807	1,479	506	275	217
55 w/WSAs + 2025 ROD/ITP												
C	236	283	489	485	819	1,125	1,179	957	445	172	128	114
D	236	486	854	719	1,475	1,981	2,238	1,846	737	281	187	164
BN	255	464	805	1,300	1,944	2,394	3,271	2,752	1,272	417	258	202
AN	292	814	1,303	2,838	3,024	3,807	3,041	3,279	1,386	505	311	248
W	404	1,003	3,247	3,990	4,189	3,615	3,998	4,344	2,741	905	413	307
All	297	645	1,565	2,041	2,469	2,639	2,896	2,807	1,479	506	275	217

H1a7.2.41 Yuba River, Middle Fork above Confluence with North Fork Yuba (SWRCB M Yuba Inflow)

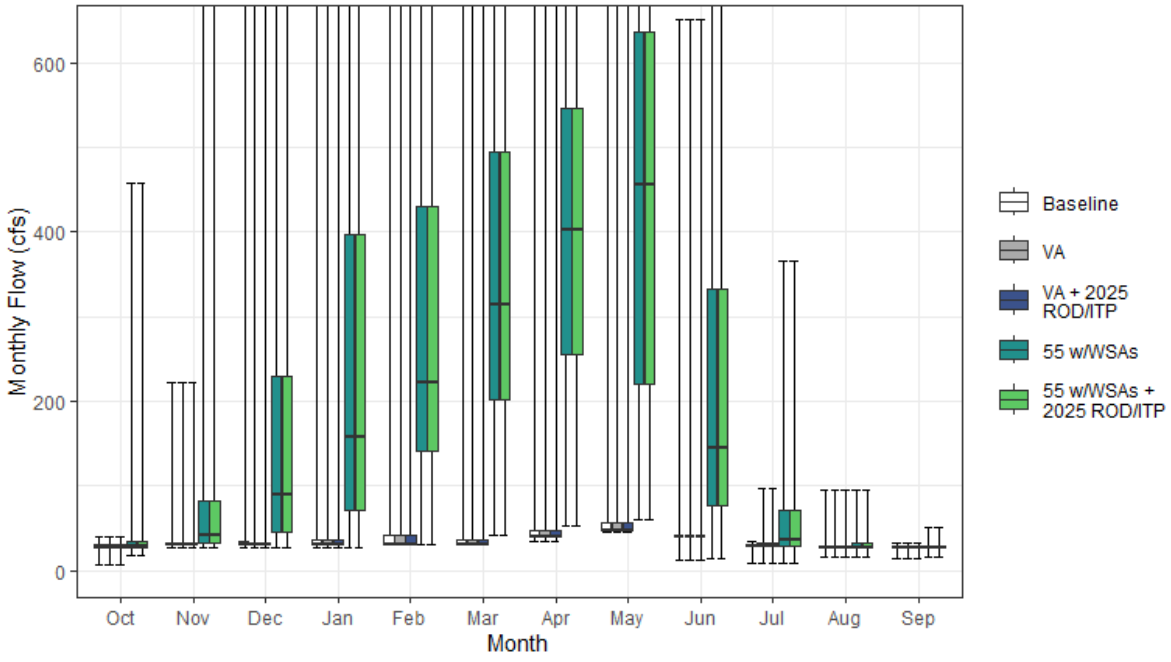

Figure H1a7-41. Yuba River, Middle Fork Streamflow above Confluence with North Fork Yuba Monthly Boxplot (cfs)

Table H1a7-81. Cumulative Distribution of Monthly Flow (cfs) — Yuba River, Middle Fork above Confluence with North Fork Yuba (SWRCB M Yuba Inflow)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	7	27	28	28	31	31	35	46	12	8	16	13	23
10%	27	29	31	31	31	31	40	47	38	27	25	23	23
25%	28	31	31	31	31	31	40	47	39	28	27	26	24
50%	29	31	31	31	31	31	40	48	39	30	28	27	26
75%	31	31	34	36	42	36	47	56	39	31	28	28	58
90%	31	36	103	331	363	244	157	174	44	31	30	29	161
100%	41	222	2,933	3,087	3,806	2,173	2,132	718	650	35	96	33	385
Mean	29	35	144	206	183	153	97	84	48	29	29	27	64
VA													
0%	7	27	28	28	31	31	35	46	12	8	16	13	23
10%	27	29	31	31	31	31	40	47	38	27	25	23	23
25%	28	31	31	31	31	31	40	47	39	28	27	26	24
50%	29	31	31	31	31	31	40	48	39	30	27	27	26
75%	31	31	33	36	42	36	47	56	39	31	28	28	58
90%	31	36	53	331	363	244	178	174	44	31	30	29	152
100%	41	222	2,933	3,087	3,806	2,173	2,132	718	650	97	96	33	385
Mean	29	35	138	200	183	153	99	84	48	30	29	27	63
VA + 2025 ROD/ITP													
0%	7	27	28	28	31	31	35	46	12	8	16	13	23
10%	27	29	31	31	31	31	40	47	38	27	25	23	23
25%	28	31	31	31	31	31	40	47	39	28	27	26	24
50%	29	31	31	31	31	31	40	48	39	30	27	27	26
75%	31	31	33	36	42	36	47	56	39	31	28	28	58
90%	31	36	53	331	363	244	178	174	44	31	30	29	152
100%	41	222	2,933	3,087	3,806	2,173	2,132	718	650	98	96	33	385
Mean	29	35	138	200	183	153	99	84	48	30	29	27	63
55 w/WSAs													
0%	18	27	28	28	31	42	53	60	15	9	16	16	27
10%	27	29	31	39	87	133	165	98	44	28	25	23	56
25%	28	32	46	72	142	202	255	220	76	30	27	26	86
50%	29	42	90	158	221	314	403	455	146	37	28	27	125
75%	34	83	230	397	430	495	546	636	333	72	32	28	240
90%	42	188	584	713	754	686	741	838	537	114	39	32	331
100%	457	788	2,216	3,087	3,806	2,173	2,132	1,236	1,149	366	96	51	585
Mean	38	91	237	350	399	408	447	469	240	63	31	28	168
55 w/WSAs + 2025 ROD/ITP													
0%	18	27	28	28	31	42	53	60	15	9	16	16	27
10%	27	29	31	39	87	133	165	98	44	28	25	23	56
25%	28	32	46	72	142	202	255	220	76	29	27	26	86
50%	29	42	90	158	221	314	403	455	146	37	28	27	125
75%	34	83	230	397	430	495	546	636	333	72	32	28	240
90%	42	188	584	713	754	686	741	838	537	114	39	32	331
100%	457	788	2,216	3,087	3,806	2,173	2,132	1,236	1,149	366	96	51	585
Mean	38	91	237	350	399	408	447	469	240	63	31	28	168

Table H1a7-82. Water Year Average of Monthly Flows (cfs) — Yuba River, Middle Fork above Confluence with North Fork Yuba (SWRCB M Yuba Inflow)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	29	31	31	32	37	37	48	57	41	28	24	23
D	30	32	32	32	47	65	42	49	40	29	27	27
BN	28	31	35	32	49	63	77	47	39	29	27	27
AN	29	48	174	165	147	302	40	66	39	29	27	28
W	28	37	342	554	461	275	201	153	69	30	34	28
All	29	35	144	206	183	153	97	84	48	29	29	27
VA												
C	29	31	31	32	37	37	48	57	41	28	24	23
D	30	32	32	32	47	65	42	49	40	30	27	27
BN	28	31	35	32	49	63	77	48	39	29	27	27
AN	29	48	174	130	147	302	51	66	39	35	27	28
W	28	37	323	546	461	275	201	153	69	30	34	28
All	29	35	138	200	183	153	99	84	48	30	29	27
VA + 2025 ROD/ITP												
C	29	31	31	32	37	37	48	57	41	28	24	23
D	30	32	32	32	47	65	42	49	40	29	27	27
BN	28	31	35	32	49	63	77	48	39	29	27	27
AN	29	48	174	130	147	302	51	66	39	35	27	28
W	28	37	323	546	461	275	201	153	69	30	34	28
All	29	35	138	200	183	153	99	84	48	30	29	27
55 w/WSAs												
C	33	36	59	56	104	141	157	138	69	28	24	23
D	31	63	98	92	194	256	300	268	96	31	27	27
BN	30	59	104	173	256	328	462	405	169	38	27	27
AN	33	123	183	406	405	545	468	562	228	54	28	29
W	52	147	540	785	793	659	691	797	487	125	42	31
All	38	91	237	350	399	408	447	469	240	63	31	28
55 w/WSAs + 2025 ROD/ITP												
C	33	36	59	56	104	141	157	138	69	28	24	23
D	31	63	98	92	194	256	300	268	96	31	27	27
BN	30	59	104	173	256	328	462	405	169	38	27	27
AN	33	123	183	406	405	545	468	562	228	54	28	29
W	52	147	540	785	793	659	691	797	487	125	42	31
All	38	91	237	350	399	408	447	469	240	63	31	28

H1a7.2.42 Yuba River, South Fork above Confluence with Yuba River (SWRCB S Yuba Inflow)

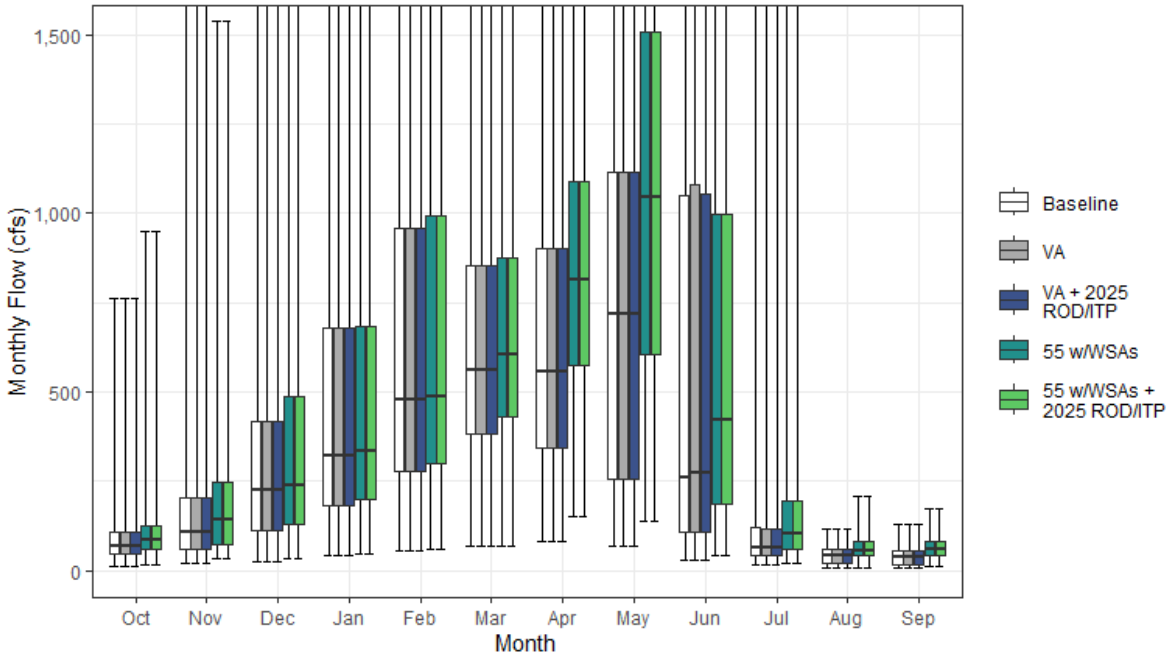

Figure H1a7-42. Yuba River, South Fork Streamflow above Confluence with Yuba River Monthly Boxplot (cfs)

Table H1a7-83. Cumulative Distribution of Monthly Flow (cfs) — Yuba River, South Fork above Confluence with Yuba River (SWRCB S Yuba Inflow)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	10	20	26	42	53	68	83	70	30	18	9	9	35
10%	23	45	62	98	144	232	208	118	59	30	16	13	91
25%	44	61	111	183	277	382	342	258	109	42	22	18	142
50%	67	109	225	323	478	563	555	717	262	63	40	38	244
75%	108	204	416	677	958	853	902	1,115	1,051	119	58	56	450
90%	143	342	1,128	1,383	1,445	1,581	1,156	1,973	1,969	190	79	74	597
100%	762	1,614	2,681	3,973	5,775	2,449	3,145	3,681	3,835	1,644	117	128	1,247
Mean	82	184	413	574	701	713	680	872	733	149	43	41	312
VA													
0%	10	20	26	42	53	68	83	70	30	18	9	9	35
10%	23	45	62	98	144	232	208	118	59	30	16	13	91
25%	44	61	111	183	277	382	342	257	109	42	22	18	142
50%	67	109	225	323	478	563	555	717	275	63	40	38	244
75%	108	204	416	677	958	853	902	1,115	1,078	115	58	56	452
90%	143	342	1,128	1,383	1,445	1,581	1,161	1,971	1,982	190	79	74	596
100%	763	1,603	2,653	4,033	5,813	2,419	3,196	3,665	3,833	1,645	117	128	1,241
Mean	82	183	414	576	699	712	682	870	733	150	43	41	312
VA + 2025 ROD/ITP													
0%	10	20	26	42	53	68	83	70	30	18	9	9	35
10%	23	45	62	98	144	232	208	118	59	30	16	13	91
25%	44	61	111	183	277	382	342	258	109	42	22	18	142
50%	67	109	225	323	478	563	555	717	274	63	40	38	244
75%	108	204	416	677	958	853	902	1,115	1,052	116	58	56	453
90%	143	342	1,129	1,383	1,445	1,581	1,160	1,972	1,985	190	79	74	596
100%	763	1,618	2,645	4,032	5,817	2,480	3,108	3,685	3,833	1,647	117	128	1,242
Mean	82	184	413	576	700	713	680	873	731	150	43	41	312
55 w/WSAs													
0%	16	34	34	46	61	68	150	139	41	22	9	14	52
10%	40	55	74	100	175	267	420	305	90	46	27	33	120
25%	59	73	130	198	297	430	576	605	188	59	41	42	198
50%	84	142	237	336	489	606	816	1,047	420	102	57	62	301
75%	124	246	487	685	995	877	1,089	1,507	996	194	82	81	514
90%	162	404	1,129	1,380	1,457	1,581	1,424	2,187	1,519	337	107	99	625
100%	951	1,540	2,685	3,420	5,665	2,422	3,167	3,706	3,265	1,641	206	173	1,267
Mean	108	221	449	580	715	757	899	1,161	706	193	65	64	356
55 w/WSAs + 2025 ROD/ITP													
0%	16	34	34	46	61	68	150	139	41	22	9	14	52
10%	40	55	74	100	175	267	420	305	90	46	27	33	120
25%	59	73	130	198	297	430	576	605	188	59	41	42	198
50%	84	142	237	336	489	606	816	1,047	420	102	57	62	301
75%	124	246	487	685	995	877	1,089	1,507	996	194	82	81	513
90%	162	404	1,129	1,380	1,457	1,581	1,424	2,187	1,519	337	107	99	625
100%	951	1,540	2,713	3,359	5,726	2,406	3,173	3,710	3,269	1,641	206	173	1,262
Mean	108	221	449	579	716	757	900	1,160	704	193	65	64	356

Table H1a7-84. Water Year Average of Monthly Flows (cfs) — Yuba River, South Fork above Confluence with Yuba River (SWRCB S Yuba Inflow)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	70	63	116	139	228	265	225	177	89	45	35	32
D	74	170	240	196	370	491	407	394	196	64	41	35
BN	80	129	230	351	528	585	706	634	466	74	45	36
AN	70	247	442	787	852	972	712	1,125	651	81	35	46
W	101	267	804	1,139	1,244	1,093	1,094	1,643	1,672	342	50	51
All	82	184	413	574	701	713	680	872	733	149	43	41
VA												
C	70	63	116	139	228	265	225	177	89	45	35	32
D	74	170	240	196	370	491	407	394	196	64	41	35
BN	80	129	230	351	528	585	707	634	466	74	45	36
AN	70	246	443	788	852	972	712	1,133	651	81	35	46
W	101	267	805	1,146	1,240	1,090	1,100	1,632	1,671	345	50	51
All	82	183	414	576	699	712	682	870	733	150	43	41
VA + 2025 ROD/ITP												
C	70	63	116	139	228	265	225	177	89	45	35	32
D	74	170	240	196	370	491	407	394	196	64	41	35
BN	80	129	230	351	528	585	707	634	466	74	45	36
AN	70	247	440	786	852	972	712	1,137	652	81	35	46
W	101	267	804	1,146	1,243	1,092	1,092	1,642	1,666	345	50	51
All	82	184	413	576	700	713	680	873	731	150	43	41
55 w/WSAs												
C	88	80	125	144	238	308	385	358	152	61	41	40
D	88	189	258	204	393	531	641	689	270	76	47	51
BN	94	162	235	374	548	650	969	976	502	109	64	61
AN	99	277	475	812	875	1,000	960	1,395	693	145	61	68
W	146	334	887	1,126	1,248	1,133	1,293	1,958	1,455	421	94	87
All	108	221	449	580	715	757	899	1,161	706	193	65	64
55 w/WSAs + 2025 ROD/ITP												
C	88	80	125	144	238	308	385	358	152	61	41	40
D	88	189	258	204	393	531	641	689	270	76	47	51
BN	94	162	235	374	548	650	969	976	502	109	64	61
AN	99	277	474	806	875	1,000	960	1,395	693	145	61	68
W	146	334	887	1,125	1,252	1,132	1,297	1,956	1,450	421	94	87
All	108	221	449	579	716	757	900	1,160	704	193	65	64

H1a7.2.43 Yuba River below Englebright Reservoir (SWRCB Englebright)

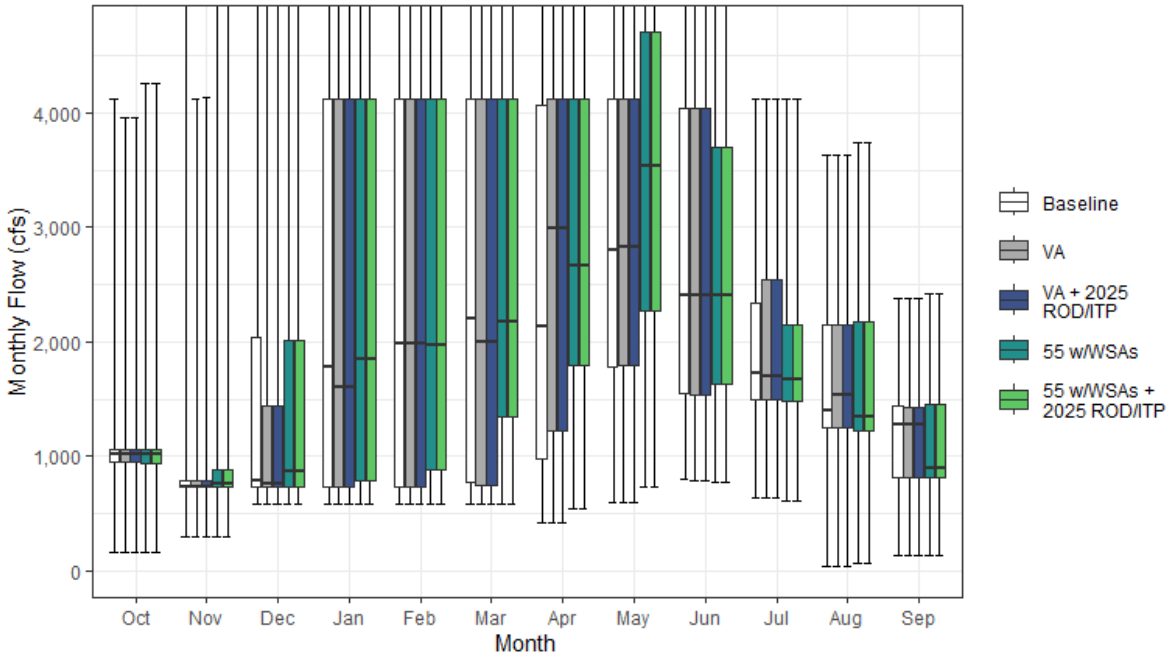

Figure H1a7-43. Yuba River Streamflow below Englebright Reservoir Monthly Boxplot (cfs)

Table H1a7-85. Cumulative Distribution of Monthly Flow (cfs) — Yuba River below Englebright Reservoir (SWRCB Englebright)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	156	295	580	580	580	580	412	593	804	640	41	133	424
10%	903	730	731	731	731	731	864	1,660	1,313	1,404	1,167	742	744
25%	954	731	731	731	731	769	976	1,787	1,554	1,501	1,244	818	904
50%	1,019	731	780	1,780	1,988	2,204	2,137	2,807	2,411	1,724	1,399	1,270	1,395
75%	1,062	792	2,038	4,121	4,121	4,129	4,068	4,120	4,043	2,337	2,151	1,435	2,296
90%	1,100	908	4,121	5,566	5,654	6,618	4,999	6,507	5,366	3,268	2,254	1,552	2,966
100%	4,120	5,053	15,009	20,111	22,900	13,509	10,725	9,628	9,922	4,120	3,629	2,378	4,508
Mean	1,026	934	1,997	2,976	3,028	3,072	2,626	3,390	2,980	2,067	1,704	1,161	1,626
VA													
0%	156	295	580	580	580	580	412	593	785	640	41	133	424
10%	903	730	730	731	731	731	824	1,562	1,294	1,385	1,132	736	717
25%	945	731	731	731	731	744	1,226	1,790	1,536	1,489	1,254	818	930
50%	1,018	731	763	1,602	1,984	1,999	2,991	2,835	2,402	1,699	1,529	1,271	1,419
75%	1,062	789	1,437	4,121	4,122	4,129	4,121	4,120	4,043	2,550	2,145	1,433	2,292
90%	1,100	886	4,121	5,359	5,654	6,618	4,999	6,114	5,364	3,298	2,272	1,558	2,921
100%	3,955	4,120	14,054	20,171	22,939	13,509	10,479	9,676	9,920	4,120	3,630	2,379	4,433
Mean	1,022	911	1,872	2,853	2,988	3,045	2,989	3,428	2,947	2,048	1,709	1,164	1,626
VA + 2025 ROD/ITP													
0%	156	295	580	581	580	580	412	593	785	640	41	133	424
10%	903	730	730	731	731	731	824	1,562	1,294	1,385	1,132	736	717
25%	945	731	731	731	731	744	1,226	1,790	1,536	1,489	1,254	818	930
50%	1,018	731	763	1,602	1,983	1,999	2,991	2,835	2,402	1,699	1,529	1,272	1,419
75%	1,062	789	1,437	4,121	4,122	4,129	4,121	4,120	4,043	2,550	2,145	1,433	2,293
90%	1,100	886	4,121	5,359	5,654	6,618	4,999	6,136	5,361	3,303	2,272	1,558	2,921
100%	3,955	4,135	14,080	20,169	22,942	13,590	10,479	9,668	9,920	4,120	3,630	2,380	4,434
Mean	1,022	912	1,872	2,853	2,989	3,047	2,987	3,431	2,946	2,047	1,709	1,164	1,626
55 w/WSAs													
0%	156	295	580	581	580	581	538	725	771	609	65	133	420
10%	903	730	730	731	731	855	1,241	1,560	1,206	1,341	1,115	755	785
25%	939	731	731	780	876	1,343	1,800	2,275	1,628	1,477	1,219	817	999
50%	1,019	757	870	1,843	1,975	2,176	2,672	3,533	2,408	1,675	1,338	896	1,392
75%	1,064	881	2,017	4,121	4,121	4,122	4,121	4,709	3,702	2,146	2,173	1,457	2,351
90%	1,107	1,520	4,121	5,359	5,629	6,458	4,999	6,700	4,859	3,357	2,291	1,586	2,974
100%	4,257	6,575	13,278	19,557	22,790	13,510	10,779	10,103	8,649	4,121	3,739	2,424	4,545
Mean	1,028	1,071	1,965	2,921	3,041	3,223	3,053	3,864	2,843	1,952	1,631	1,137	1,672
55 w/WSAs + 2025 ROD/ITP													
0%	156	295	580	581	580	581	538	725	771	610	63	133	420
10%	903	730	730	730	731	855	1,241	1,560	1,206	1,341	1,115	755	785
25%	939	731	731	780	876	1,343	1,800	2,275	1,628	1,477	1,219	817	999
50%	1,019	757	870	1,843	1,975	2,176	2,672	3,533	2,408	1,675	1,338	896	1,392
75%	1,064	881	2,017	4,121	4,121	4,121	4,121	4,709	3,701	2,146	2,173	1,457	2,351
90%	1,107	1,519	4,121	5,359	5,629	6,458	4,999	6,700	4,859	3,357	2,291	1,586	2,975
100%	4,257	6,575	13,307	19,496	22,852	13,510	10,539	10,103	8,649	4,121	3,739	2,424	4,540
Mean	1,028	1,071	1,965	2,920	3,042	3,223	3,051	3,864	2,842	1,952	1,631	1,137	1,672

Table H1a7-86. Water Year Average of Monthly Flows (cfs) — Yuba River below Englebright Reservoir (SWRCB Englebright)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	996	764	766	802	753	754	789	1,407	1,237	1,272	996	724
D	1,007	824	953	1,212	1,146	1,475	1,382	2,101	1,823	1,601	1,355	956
BN	1,010	784	1,074	1,934	2,111	2,030	2,566	3,008	2,608	1,877	1,689	1,150
AN	942	1,067	1,963	3,280	3,458	4,514	2,996	3,737	2,990	2,057	1,793	1,317
W	1,101	1,148	4,018	5,968	6,028	5,563	4,408	5,496	4,992	2,957	2,312	1,489
All	1,026	934	1,997	2,976	3,028	3,072	2,626	3,390	2,980	2,067	1,704	1,161
VA												
C	996	764	765	771	742	742	754	1,369	1,191	1,238	966	712
D	998	824	936	1,083	1,064	1,434	1,948	2,109	1,752	1,538	1,428	973
BN	1,010	784	1,007	1,742	2,056	2,006	3,379	3,169	2,541	1,827	1,646	1,148
AN	942	989	1,767	3,235	3,450	4,438	3,722	3,853	3,018	2,139	1,800	1,317
W	1,092	1,104	3,739	5,813	6,002	5,556	4,405	5,486	4,988	2,958	2,314	1,493
All	1,022	911	1,872	2,853	2,988	3,045	2,989	3,428	2,947	2,048	1,709	1,164
VA + 2025 ROD/ITP												
C	996	764	765	771	742	742	754	1,369	1,191	1,238	966	712
D	998	824	936	1,083	1,064	1,434	1,948	2,109	1,752	1,538	1,428	973
BN	1,010	784	1,007	1,742	2,056	2,006	3,379	3,169	2,541	1,827	1,646	1,148
AN	942	990	1,765	3,233	3,449	4,438	3,722	3,857	3,022	2,137	1,799	1,317
W	1,092	1,104	3,739	5,813	6,004	5,562	4,397	5,496	4,985	2,955	2,314	1,493
All	1,022	912	1,872	2,853	2,989	3,047	2,987	3,431	2,946	2,047	1,709	1,164
55 w/WSAs												
C	967	766	802	824	838	983	1,176	1,476	1,221	1,171	957	723
D	999	885	1,027	1,150	1,295	1,760	2,052	2,493	1,762	1,514	1,259	853
BN	1,004	827	1,103	1,940	2,068	2,310	2,987	3,486	2,507	1,719	1,587	1,154
AN	923	1,265	1,895	3,417	3,438	4,360	3,363	4,424	2,894	1,911	1,680	1,309
W	1,139	1,446	3,846	5,760	5,955	5,614	4,706	6,158	4,694	2,853	2,272	1,487
All	1,028	1,071	1,965	2,921	3,041	3,223	3,053	3,864	2,843	1,952	1,631	1,137
55 w/WSAs + 2025 ROD/ITP												
C	967	766	802	824	838	983	1,176	1,476	1,221	1,171	957	723
D	999	885	1,027	1,150	1,295	1,760	2,052	2,493	1,762	1,514	1,259	853
BN	1,004	827	1,103	1,940	2,068	2,310	2,987	3,486	2,507	1,719	1,587	1,154
AN	923	1,265	1,894	3,412	3,438	4,360	3,363	4,424	2,894	1,911	1,680	1,309
W	1,139	1,446	3,846	5,759	5,957	5,615	4,699	6,157	4,690	2,853	2,271	1,487
All	1,028	1,071	1,965	2,920	3,042	3,223	3,051	3,864	2,842	1,952	1,631	1,137

H1a7.2.44 Yuba River above Confluence with Feather River (SWRCB Yuba River)

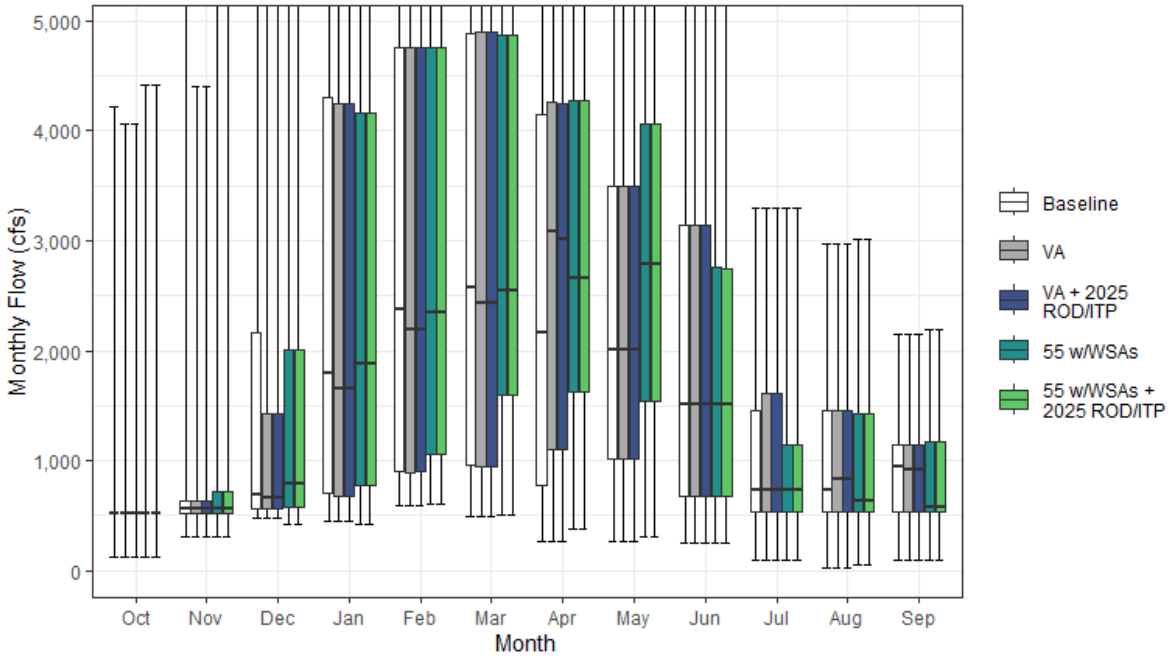

Figure H1a7-44. Yuba River Streamflow above Confluence with Feather River Monthly Boxplot (cfs)

Table H1a7-87. Cumulative Distribution of Monthly Flow (cfs) — Yuba River above Confluence with Feather River (SWRCB Yuba River)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	124	312	484	452	587	495	269	270	250	99	27	99	247
10%	517	523	524	619	781	799	715	909	519	525	524	525	465
25%	520	524	569	710	901	953	772	1,018	673	528	528	528	638
50%	523	557	688	1,802	2,374	2,581	2,163	2,007	1,513	727	734	946	1,192
75%	524	636	2,166	4,309	4,753	4,878	4,149	3,501	3,140	1,454	1,459	1,147	2,175
90%	524	802	4,540	6,366	6,824	7,722	5,516	5,884	4,468	2,296	1,633	1,280	2,880
100%	4,222	5,211	15,455	22,407	25,567	15,576	11,802	9,150	9,089	3,294	2,976	2,144	4,562
Mean	547	778	2,001	3,180	3,535	3,526	2,678	2,663	2,109	1,127	1,034	874	1,447
VA													
0%	124	312	484	452	587	495	269	270	250	99	27	99	247
10%	498	523	524	612	781	781	715	770	425	428	427	441	447
25%	520	523	569	672	891	939	1,095	1,018	672	528	528	527	659
50%	523	556	664	1,660	2,194	2,428	3,087	2,007	1,512	727	825	924	1,195
75%	524	634	1,431	4,241	4,753	4,897	4,259	3,490	3,145	1,617	1,458	1,147	2,157
90%	524	743	4,468	6,311	6,824	7,722	5,518	5,622	4,467	2,347	1,645	1,299	2,860
100%	4,059	4,399	14,514	22,466	25,605	15,576	11,559	9,198	9,087	3,294	2,976	2,145	4,488
Mean	543	756	1,876	3,058	3,496	3,500	3,039	2,702	2,077	1,110	1,040	878	1,448
VA + 2025 ROD/ITP													
0%	124	312	484	452	587	495	269	270	250	99	27	99	247
10%	498	523	524	612	781	781	715	770	425	428	427	441	447
25%	520	523	569	672	896	949	1,095	1,018	673	528	528	527	659
50%	523	556	664	1,660	2,193	2,427	3,017	2,007	1,512	727	825	924	1,193
75%	524	634	1,431	4,241	4,753	4,897	4,240	3,502	3,145	1,617	1,458	1,147	2,157
90%	524	743	4,468	6,311	6,824	7,722	5,518	5,648	4,463	2,348	1,645	1,299	2,860
100%	4,059	4,400	14,539	22,465	25,608	15,675	11,559	9,189	9,087	3,294	2,976	2,146	4,487
Mean	543	756	1,877	3,057	3,497	3,502	3,035	2,705	2,077	1,109	1,040	876	1,448
55 w/WSAs													
0%	124	312	424	426	601	504	373	307	250	99	51	99	250
10%	425	523	524	623	771	945	1,128	890	425	428	428	428	529
25%	520	524	570	771	1,054	1,601	1,618	1,539	673	528	528	527	749
50%	523	557	793	1,875	2,353	2,545	2,653	2,784	1,513	727	627	572	1,186
75%	524	718	2,012	4,166	4,753	4,870	4,274	4,069	2,752	1,140	1,431	1,175	2,227
90%	524	1,444	4,541	6,166	6,834	7,413	5,525	5,980	3,968	2,360	1,648	1,328	2,897
100%	4,410	6,720	13,749	21,859	25,458	15,576	11,804	9,347	7,831	3,295	3,008	2,189	4,594
Mean	557	910	1,968	3,125	3,547	3,676	3,110	3,158	1,986	1,026	964	843	1,496
55 w/WSAs + 2025 ROD/ITP													
0%	124	312	424	426	601	505	373	307	250	100	49	99	250
10%	425	523	524	623	771	945	1,128	890	425	428	428	428	529
25%	520	524	570	771	1,054	1,601	1,618	1,539	673	528	527	527	750
50%	523	557	793	1,875	2,353	2,545	2,653	2,784	1,513	727	627	573	1,186
75%	524	718	2,012	4,166	4,753	4,870	4,272	4,069	2,751	1,140	1,431	1,175	2,227
90%	524	1,444	4,541	6,166	6,834	7,417	5,528	5,980	3,968	2,360	1,648	1,328	2,897
100%	4,410	6,720	13,777	21,798	25,519	15,576	11,618	9,347	7,831	3,295	3,008	2,189	4,589
Mean	557	910	1,968	3,124	3,548	3,677	3,107	3,157	1,984	1,027	964	843	1,496

Table H1a7-88. Water Year Average of Monthly Flows (cfs) — Yuba River above Confluence with Feather River (SWRCB Yuba River)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	506	535	629	724	877	841	620	705	459	402	398	453
D	506	643	887	1,144	1,336	1,718	1,267	1,338	918	650	666	660
BN	510	608	974	1,951	2,507	2,390	2,579	2,269	1,721	904	998	853
AN	489	950	1,911	3,588	4,085	5,143	3,097	3,015	2,115	1,094	1,138	1,031
W	646	1,046	4,234	6,597	6,997	6,357	4,704	4,790	4,105	2,018	1,625	1,207
All	547	778	2,001	3,180	3,535	3,526	2,678	2,663	2,109	1,127	1,034	874
VA												
C	506	534	628	695	865	825	591	680	424	381	376	444
D	502	644	870	1,017	1,254	1,676	1,825	1,346	848	587	738	678
BN	509	607	906	1,760	2,454	2,366	3,383	2,428	1,655	854	956	851
AN	489	874	1,717	3,545	4,075	5,080	3,812	3,132	2,143	1,175	1,144	1,032
W	637	1,004	3,959	6,443	6,972	6,352	4,707	4,776	4,102	2,019	1,626	1,211
All	543	756	1,876	3,058	3,496	3,500	3,039	2,702	2,077	1,110	1,040	878
VA + 2025 ROD/ITP												
C	506	534	628	693	865	828	591	680	424	381	376	444
D	501	644	871	1,017	1,255	1,676	1,824	1,344	848	587	738	678
BN	509	608	908	1,760	2,454	2,366	3,380	2,428	1,655	854	956	851
AN	489	875	1,717	3,544	4,078	5,079	3,810	3,132	2,146	1,173	1,143	1,030
W	637	1,004	3,958	6,442	6,974	6,356	4,697	4,789	4,099	2,017	1,626	1,208
All	543	756	1,877	3,057	3,497	3,502	3,035	2,705	2,077	1,109	1,040	876
55 w/WSAs												
C	505	524	661	746	959	1,071	1,027	886	504	376	373	422
D	502	699	960	1,085	1,483	1,999	1,938	1,749	870	572	571	549
BN	512	646	1,002	1,956	2,462	2,664	2,999	2,740	1,622	747	897	857
AN	484	1,145	1,846	3,727	4,063	4,993	3,466	3,701	2,020	948	1,025	1,023
W	683	1,345	4,067	6,389	6,922	6,408	5,008	5,451	3,811	1,915	1,584	1,204
All	557	910	1,968	3,125	3,547	3,676	3,110	3,158	1,986	1,026	964	843
55 w/WSAs + 2025 ROD/ITP												
C	505	524	660	746	960	1,072	1,027	886	504	376	373	422
D	502	699	960	1,085	1,482	2,000	1,938	1,749	870	572	571	549
BN	512	646	1,002	1,956	2,462	2,665	3,003	2,741	1,622	747	897	857
AN	484	1,145	1,845	3,721	4,063	4,993	3,466	3,701	2,020	948	1,026	1,023
W	683	1,345	4,066	6,387	6,924	6,409	4,997	5,449	3,806	1,915	1,584	1,203
All	557	910	1,968	3,124	3,548	3,677	3,107	3,157	1,984	1,027	964	843

H1a7.2.45 Total Delta Inflow

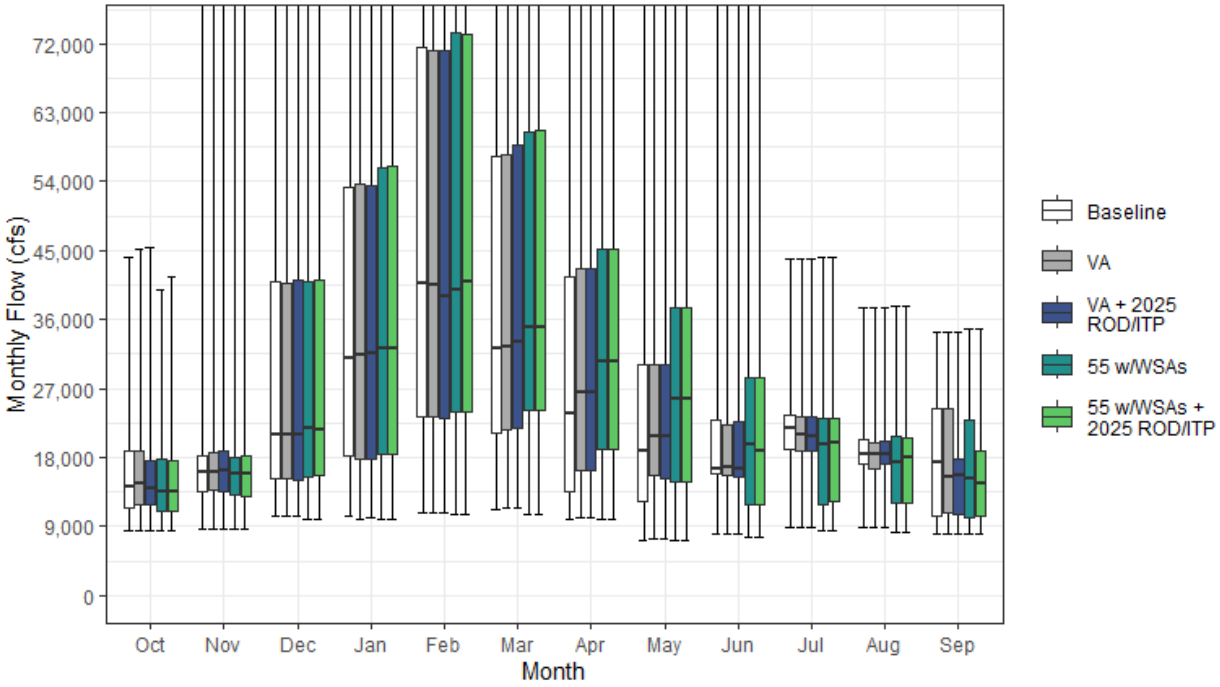

Figure H1a7-45. Total Delta Inflow Monthly Boxplot (cfs)

Table H1a7-89. Cumulative Distribution of Monthly Flow (cfs) — Total Delta Inflow

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	8,445	8,698	10,327	10,258	10,723	11,225	9,918	7,201	7,989	8,763	8,819	7,996	7,489
10%	9,341	10,537	14,198	14,588	16,219	15,604	11,783	10,753	12,314	10,038	11,266	8,725	10,266
25%	11,507	13,469	15,133	18,106	23,228	21,272	13,436	12,173	15,918	19,003	17,086	10,283	12,722
50%	14,146	16,104	21,018	30,923	40,770	32,273	23,762	18,838	16,527	21,831	18,412	17,313	16,946
75%	18,941	18,289	40,954	53,318	71,574	57,333	41,626	30,090	22,865	23,421	20,409	24,422	28,742
90%	21,367	26,865	74,924	103,473	132,470	98,084	72,132	55,185	41,468	25,796	25,120	26,014	38,844
100%	44,145	78,537	158,487	260,670	266,590	244,758	154,302	84,626	81,888	43,927	37,467	34,419	63,397
Mean	15,744	18,564	34,137	47,190	58,743	47,576	33,378	25,413	22,238	20,685	18,403	17,710	21,617
VA													
0%	8,446	8,580	10,338	9,950	10,770	11,495	10,137	7,320	7,985	8,757	8,838	7,992	7,825
10%	9,487	10,756	13,476	14,188	15,686	15,352	12,215	11,149	11,252	9,901	11,173	8,838	10,304
25%	11,865	13,712	15,325	17,797	23,230	21,536	16,206	15,708	15,588	18,778	16,578	10,676	12,916
50%	14,609	16,168	20,972	31,301	40,584	32,467	26,564	20,661	16,644	20,861	18,344	15,491	17,176
75%	18,885	18,548	40,654	53,573	71,179	57,528	42,699	30,073	22,199	23,269	19,959	24,269	28,651
90%	21,431	26,790	74,696	103,793	133,076	97,746	72,114	55,175	41,529	24,708	24,220	25,752	38,704
100%	45,235	78,630	158,389	260,723	266,317	244,758	154,347	84,667	81,888	43,834	37,613	34,355	63,392
Mean	15,804	18,516	33,935	47,123	58,643	47,645	34,794	26,848	22,045	20,201	18,371	17,199	21,699
VA + 2025 ROD/ITP													
0%	8,427	8,574	10,338	10,079	10,697	11,493	10,050	7,319	7,980	8,755	8,839	7,989	7,792
10%	9,298	10,869	13,457	14,189	15,583	15,859	12,028	11,152	11,619	10,054	11,173	8,933	10,206
25%	11,903	13,486	15,102	17,879	23,133	21,850	16,195	15,313	15,486	18,810	17,071	10,611	13,111
50%	14,056	16,199	20,969	31,500	39,010	33,008	26,563	20,740	16,593	20,857	18,342	15,658	17,248
75%	17,627	18,910	41,141	53,556	71,179	58,716	42,697	30,125	22,647	23,262	20,013	17,802	28,303
90%	21,581	29,870	74,745	106,838	133,050	97,752	72,056	55,175	41,509	24,510	24,220	22,585	38,817
100%	45,435	78,630	158,389	260,735	266,316	244,758	154,295	84,667	81,888	43,835	37,613	34,356	63,392
Mean	15,631	18,933	34,160	47,507	58,968	47,874	34,826	26,877	22,086	20,326	18,385	15,435	21,693
55 w/WSAs													
0%	8,420	8,584	9,922	9,827	10,618	10,597	9,896	7,246	7,682	8,498	8,243	7,931	7,126
10%	9,155	10,305	12,557	14,032	17,233	17,011	12,361	10,898	11,019	8,925	10,985	9,033	10,214
25%	11,022	12,999	15,402	18,411	23,976	24,225	18,957	14,757	11,724	11,897	12,016	10,164	12,841
50%	13,499	15,869	21,714	32,259	39,836	34,951	30,433	25,638	19,722	19,756	17,300	15,128	17,255
75%	17,751	18,094	40,858	55,904	73,414	60,402	45,205	37,457	28,370	23,129	20,723	22,936	29,199
90%	21,085	24,749	72,844	103,077	128,355	92,045	73,689	55,705	41,343	25,701	23,814	24,002	38,916
100%	39,845	79,174	156,828	254,917	259,585	244,744	152,136	84,802	80,630	44,019	37,708	34,748	63,450
Mean	14,994	17,887	33,765	47,584	58,661	48,776	37,298	29,306	22,815	18,320	17,145	16,369	21,806
55 w/WSAs + 2025 ROD/ITP													
0%	8,420	8,562	9,955	9,906	10,610	10,607	9,898	7,239	7,684	8,485	8,172	7,934	7,182
10%	9,312	10,323	12,229	14,407	17,000	17,199	12,372	10,894	11,016	8,978	10,750	8,510	10,092
25%	11,001	12,813	15,733	18,346	23,976	24,252	18,958	14,755	11,770	12,152	11,980	10,384	12,870
50%	13,451	15,876	21,706	32,306	40,990	34,952	30,492	25,638	18,783	19,882	18,000	14,679	17,200
75%	17,548	18,213	41,105	55,928	73,268	60,773	45,259	37,455	28,370	23,131	20,611	18,814	29,017
90%	21,384	25,659	74,124	104,651	128,382	92,049	73,690	55,705	41,323	25,702	23,808	21,256	38,917
100%	41,513	79,174	156,828	257,318	261,584	244,744	152,136	84,803	80,630	44,019	37,708	34,748	63,452
Mean	15,132	18,074	33,930	47,786	58,859	48,803	37,292	29,346	22,817	18,489	17,196	14,955	21,793

Table H1a7-90. Water Year Average of Monthly Flows (cfs) — Total Delta Inflow

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	12,593	12,970	17,517	18,281	20,104	17,004	11,406	9,794	11,375	10,482	10,798	8,776
D	14,635	15,797	22,319	20,004	27,743	25,204	15,546	13,371	16,010	18,314	16,372	11,473
BN	15,791	16,417	22,908	30,293	43,987	33,236	25,918	18,485	17,448	21,757	18,731	16,280
AN	14,755	19,844	31,076	56,232	73,312	58,457	34,190	28,329	20,651	24,626	19,307	25,243
W	18,605	24,425	60,002	89,630	105,601	85,016	62,575	45,794	36,268	25,610	23,378	24,941
All	15,744	18,564	34,137	47,190	58,743	47,576	33,378	25,413	22,238	20,685	18,403	17,710
VA												
C	12,938	12,805	17,440	17,804	20,104	16,832	11,712	10,459	10,768	10,131	10,949	8,563
D	14,624	15,805	22,340	19,816	27,547	25,371	18,010	16,296	16,175	17,904	16,634	11,099
BN	15,949	16,586	22,708	30,231	43,676	33,425	28,300	21,064	17,280	20,930	18,510	14,524
AN	14,786	19,579	30,589	56,460	73,300	58,515	36,974	29,982	19,845	24,141	19,033	24,920
W	18,515	24,345	59,683	89,749	105,616	85,070	62,652	45,736	36,261	25,218	23,252	24,883
All	15,804	18,516	33,935	47,123	58,643	47,645	34,794	26,848	22,045	20,201	18,371	17,199
VA + 2025 ROD/ITP												
C	12,708	12,932	17,278	18,057	20,372	16,926	11,754	10,520	10,968	10,516	10,569	8,856
D	14,487	16,276	22,427	20,174	27,881	25,937	18,039	16,293	16,153	18,242	17,009	11,681
BN	15,670	16,938	22,840	30,401	44,494	33,640	28,428	21,122	17,166	20,944	18,507	14,712
AN	14,497	19,972	30,546	57,267	73,550	58,747	36,966	30,025	20,078	24,088	18,940	16,807
W	18,457	24,931	60,385	90,188	105,683	85,132	62,638	45,747	36,287	25,191	23,264	21,607
All	15,631	18,933	34,160	47,507	58,968	47,874	34,826	26,877	22,086	20,326	18,385	15,435
55 w/WSAs												
C	12,264	12,066	16,607	17,854	21,087	18,144	12,164	10,291	10,035	8,848	9,985	8,723
D	13,451	15,295	22,866	20,485	29,146	28,379	21,028	16,599	12,974	12,608	13,170	11,561
BN	15,240	15,660	23,134	30,869	44,954	36,341	32,393	24,402	18,706	18,758	16,188	13,234
AN	13,754	18,177	30,775	57,919	73,587	58,599	38,645	34,481	24,205	21,638	19,321	22,014
W	17,921	24,186	58,837	89,764	103,057	84,016	65,202	49,802	38,893	25,956	23,615	23,701
All	14,994	17,887	33,765	47,584	58,661	48,776	37,298	29,306	22,815	18,320	17,145	16,369
55 w/WSAs + 2025 ROD/ITP												
C	12,251	12,203	16,458	17,951	21,067	18,096	12,086	10,320	10,083	9,098	10,012	8,617
D	13,759	15,418	22,873	20,623	29,323	28,290	20,996	16,722	12,879	13,188	12,941	11,965
BN	15,503	15,686	23,214	30,972	45,054	36,223	32,402	24,456	18,586	18,846	16,692	12,477
AN	13,728	18,506	30,737	58,279	73,787	58,989	38,751	34,444	24,329	21,647	19,443	16,977
W	18,001	24,491	59,422	90,069	103,446	84,115	65,198	49,810	38,971	25,896	23,567	21,288
All	15,132	18,074	33,930	47,786	58,859	48,803	37,292	29,346	22,817	18,489	17,196	14,955

H1a7.2.46 Delta Outflow (SWRCB Delta)

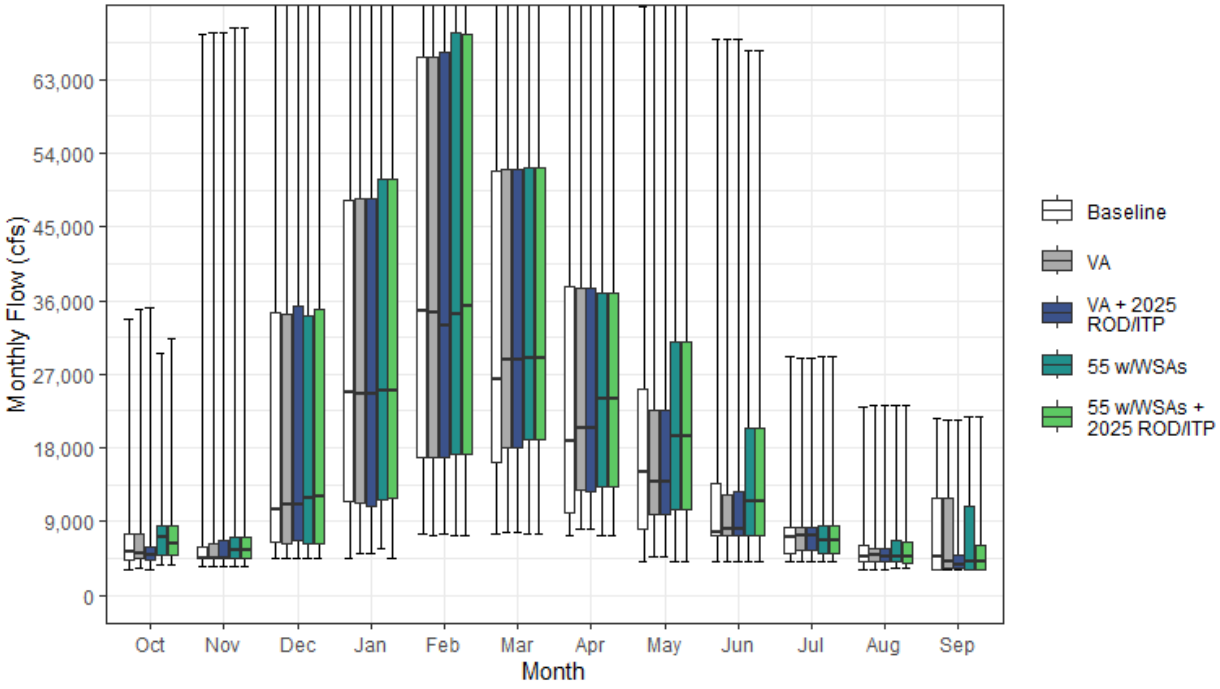

Figure H1a7-46. Delta Outflow, including Postprocessed VA Flows Monthly Boxplot (cfs)

Table H1a7-91. Cumulative Distribution of Monthly Flow (cfs) — Delta Outflow (SWRCB Delta)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	3,094	3,508	4,507	4,518	7,406	7,518	7,208	4,163	4,160	4,186	3,164	3,068	4,081
10%	4,021	3,558	4,567	7,577	9,527	10,099	8,505	7,275	7,255	4,215	3,678	3,096	5,580
25%	4,226	4,517	6,483	11,428	16,852	16,176	10,117	8,184	7,294	5,191	4,178	3,172	7,116
50%	5,292	4,559	10,489	24,687	34,629	26,334	18,759	15,045	7,622	7,143	4,772	4,701	10,850
75%	7,398	5,884	34,578	48,237	65,733	51,786	37,666	25,102	13,595	8,232	6,147	11,802	21,790
90%	8,933	14,825	67,829	96,937	125,249	90,478	61,203	45,286	28,925	10,951	10,832	12,917	31,158
100%	33,761	68,575	149,425	252,997	259,252	239,630	146,210	71,971	67,870	29,104	23,014	21,506	55,247
Mean	6,536	8,227	25,315	40,508	52,225	41,509	29,023	20,442	13,374	7,728	6,002	7,286	15,473
VA													
0%	3,356	3,508	4,507	5,008	7,242	7,725	8,007	4,692	4,160	4,186	3,164	3,068	4,344
10%	4,028	3,558	4,567	7,347	9,672	10,703	9,615	7,803	7,257	4,215	4,033	3,108	5,618
25%	4,441	4,517	6,361	11,171	16,829	18,015	12,907	9,899	7,313	5,548	4,201	3,284	7,385
50%	5,198	4,550	11,088	24,620	34,443	28,708	20,491	13,899	8,069	7,323	4,870	4,124	11,101
75%	7,460	6,243	34,278	48,492	65,710	51,923	37,473	22,570	12,321	8,230	5,650	11,918	21,879
90%	9,033	14,742	67,601	97,257	126,504	90,145	62,388	46,246	28,868	10,442	9,954	13,209	31,166
100%	34,851	68,668	149,325	253,066	259,279	239,629	147,744	73,017	67,870	29,010	23,160	21,442	55,443
Mean	6,578	8,158	25,187	40,501	52,226	42,566	30,086	20,316	13,431	7,788	6,045	7,233	15,590
VA + 2025 ROD/ITP													
0%	3,094	3,508	4,507	5,008	7,408	7,724	8,007	4,692	4,160	4,186	3,164	3,068	4,303
10%	4,021	3,558	4,645	7,210	9,490	10,696	9,613	7,814	7,257	4,217	4,019	3,108	5,680
25%	4,380	4,517	6,645	10,821	16,739	18,022	12,752	9,897	7,348	5,548	4,197	3,286	7,419
50%	4,838	4,559	11,014	24,554	32,869	28,798	20,455	13,862	8,141	7,323	4,799	3,805	10,660
75%	5,895	6,763	35,221	48,475	66,294	52,062	37,470	22,570	12,750	8,230	5,748	4,842	21,301
90%	9,146	17,261	67,650	101,423	126,260	90,151	62,393	46,246	28,788	10,330	9,954	9,507	31,219
100%	35,051	68,668	149,325	253,066	259,279	239,629	147,243	73,017	67,870	29,011	23,160	21,443	55,443
Mean	6,148	8,621	25,596	40,900	52,581	42,798	30,094	20,344	13,475	7,774	6,043	5,156	15,555
55 w/WSAs													
0%	3,637	3,500	4,500	5,616	7,226	7,506	7,202	4,159	4,147	4,175	3,319	3,056	4,099
10%	4,429	3,763	5,106	7,751	11,044	11,135	9,079	7,484	7,245	4,200	3,652	3,088	5,840
25%	4,920	4,509	6,273	11,565	17,188	18,944	13,271	10,519	7,310	5,188	4,112	3,102	7,683
50%	7,001	5,465	11,960	24,880	34,378	28,932	24,013	19,511	11,463	6,718	4,631	4,020	11,193
75%	8,497	7,084	34,110	50,839	68,687	52,127	36,818	30,846	20,367	8,488	6,712	10,865	22,453
90%	9,626	13,830	65,613	96,477	119,757	83,942	62,900	46,417	29,297	10,650	9,635	11,530	31,610
100%	29,641	69,211	147,766	247,245	252,308	237,806	144,049	72,152	66,611	29,195	23,255	21,835	55,145
Mean	7,280	8,579	25,275	41,094	52,145	42,659	31,281	23,327	15,376	7,687	5,916	6,813	16,035
55 w/WSAs + 2025 ROD/ITP													
0%	3,655	3,500	4,500	4,511	7,226	7,506	7,202	4,159	4,147	4,175	3,303	3,057	4,181
10%	4,405	3,763	5,106	7,751	10,818	11,100	9,079	7,484	7,245	4,200	3,651	3,088	5,835
25%	5,002	4,510	6,278	11,799	17,189	18,944	13,271	10,519	7,311	5,188	3,997	3,103	7,706
50%	6,354	5,465	11,973	24,913	35,272	28,940	24,013	19,511	11,463	6,718	4,638	4,049	11,164
75%	8,475	7,084	34,994	50,863	68,543	52,125	36,818	30,854	20,367	8,488	6,581	6,142	22,158
90%	9,626	14,592	66,893	97,867	119,841	85,702	62,739	46,417	29,277	10,650	9,641	8,086	31,750
100%	31,241	69,212	147,766	249,644	254,309	237,806	144,049	72,152	66,611	29,195	23,255	21,835	55,148
Mean	7,190	8,672	25,523	41,305	52,343	42,675	31,309	23,326	15,376	7,687	5,898	5,195	15,979

Table H1a7-92. Water Year Average of Monthly Flows (cfs) — Delta Outflow (SWRCB Delta)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	5,297	4,389	9,600	12,206	14,311	12,042	8,411	6,231	6,277	4,339	3,987	3,363
D	5,639	5,772	13,120	12,728	21,840	20,259	12,367	9,493	7,710	5,199	4,585	3,261
BN	6,546	6,102	13,540	23,606	37,609	27,560	23,089	14,782	8,526	7,282	4,837	4,366
AN	5,733	9,629	21,498	50,446	66,868	52,244	30,344	24,687	11,031	9,895	5,105	12,493
W	8,170	12,858	51,622	82,703	98,126	77,349	55,460	37,938	25,322	10,806	9,212	12,095
All	6,536	8,227	25,315	40,508	52,225	41,509	29,023	20,442	13,374	7,728	6,002	7,286
VA												
C	5,406	4,390	9,472	12,015	14,576	12,134	9,220	6,875	6,121	4,343	4,106	3,316
D	5,686	5,726	13,239	12,569	21,704	22,393	14,969	11,069	8,108	5,555	4,850	3,369
BN	6,569	6,171	13,487	23,583	37,393	30,323	22,753	14,454	8,660	7,262	4,828	3,817
AN	5,692	9,450	20,963	50,674	67,002	52,314	34,674	23,118	10,616	9,953	4,889	12,741
W	8,218	12,693	51,430	82,822	98,172	77,445	55,111	36,856	25,379	10,729	9,189	12,117
All	6,578	8,158	25,187	40,501	52,226	42,566	30,086	20,316	13,431	7,788	6,045	7,233
VA + 2025 ROD/ITP												
C	5,130	4,375	9,857	12,195	14,889	12,147	9,237	6,921	6,233	4,336	4,009	3,389
D	5,097	6,230	13,621	12,912	22,043	22,956	14,938	11,086	8,122	5,555	4,962	3,428
BN	5,931	6,691	13,995	23,911	38,273	30,537	22,864	14,507	8,641	7,264	4,823	3,873
AN	5,427	9,858	20,911	51,483	67,238	52,607	34,588	23,132	10,821	9,909	4,784	4,160
W	7,887	13,366	51,993	83,260	98,278	77,537	55,112	36,876	25,387	10,703	9,196	8,578
All	6,148	8,621	25,596	40,900	52,581	42,798	30,094	20,344	13,475	7,774	6,043	5,156
55 w/WSAs												
C	5,721	4,431	9,384	12,345	15,259	12,908	8,758	7,075	6,216	4,342	4,254	3,225
D	6,514	6,274	13,841	13,511	23,184	23,340	15,542	12,421	8,066	5,192	3,811	3,471
BN	7,043	6,207	14,274	24,334	38,577	30,680	26,950	18,783	11,143	6,712	4,366	3,703
AN	6,775	9,261	21,453	52,161	67,446	52,493	32,386	28,187	14,967	8,463	5,559	11,494
W	9,024	13,712	50,632	82,842	95,530	76,346	57,137	40,926	28,467	11,608	9,469	11,275
All	7,280	8,579	25,275	41,094	52,145	42,659	31,281	23,327	15,376	7,687	5,916	6,813
55 w/WSAs + 2025 ROD/ITP												
C	5,677	4,431	9,448	12,358	15,176	12,835	8,787	7,075	6,216	4,342	4,279	3,214
D	6,371	6,274	13,908	13,729	23,360	23,251	15,542	12,421	8,067	5,191	3,768	3,512
BN	6,848	6,278	14,265	24,432	38,729	30,562	27,009	18,783	11,148	6,712	4,378	3,640
AN	6,733	9,403	21,782	52,564	67,649	52,873	32,476	28,179	14,967	8,468	5,554	5,077
W	8,996	13,917	51,241	83,147	95,920	76,427	57,140	40,926	28,464	11,608	9,423	8,518
All	7,190	8,672	25,523	41,305	52,343	42,675	31,309	23,326	15,376	7,687	5,898	5,195

H1a7.3 Delta Interior Flows

H1a7.3.1 Delta Cross Channel

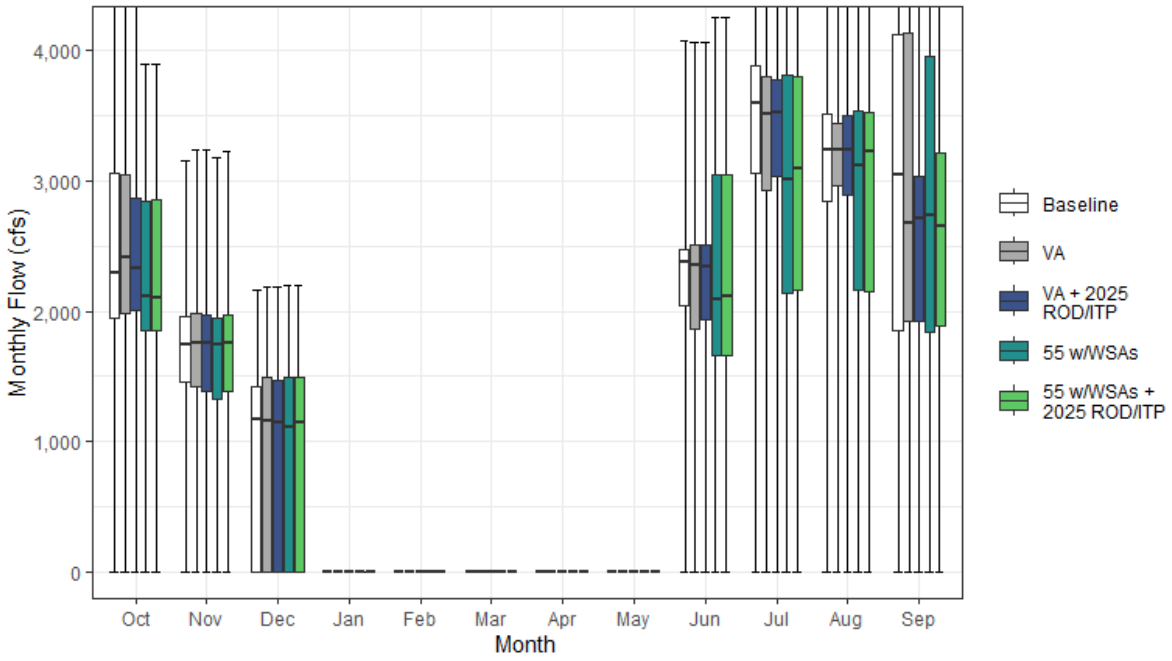

Figure H1a7-47. Delta Cross Channel Monthly Boxplot (cfs)

Table H1a7-93. Cumulative Distribution of Monthly Flow (cfs) — Delta Cross Channel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	0	0	0	0	0	0	0	0	0	0	0	302
10%	1,571	1,047	0	0	0	0	0	0	0	1,832	2,074	1,611	737
25%	1,946	1,458	0	0	0	0	0	0	2,044	3,064	2,848	1,855	939
50%	2,299	1,746	1,170	0	0	0	0	0	2,374	3,595	3,241	3,053	1,052
75%	3,055	1,958	1,426	0	0	0	0	0	2,473	3,890	3,518	4,130	1,133
90%	3,448	2,266	1,777	0	0	0	0	0	3,148	4,298	3,788	4,475	1,206
100%	4,915	3,161	2,164	0	0	0	0	0	4,081	4,901	4,700	4,711	1,350
Mean	2,504	1,632	959	0	0	0	0	0	2,141	3,358	3,099	3,030	1,015
VA													
0%	0	0	0	0	0	0	0	0	0	0	0	0	302
10%	1,581	1,074	0	0	0	0	0	0	0	1,842	2,034	1,612	734
25%	1,977	1,426	0	0	0	0	0	0	1,861	2,931	2,966	1,923	946
50%	2,418	1,756	1,157	0	0	0	0	0	2,350	3,511	3,241	2,679	1,042
75%	3,043	1,987	1,488	0	0	0	0	0	2,509	3,796	3,437	4,135	1,118
90%	3,445	2,344	1,838	0	0	0	0	0	3,141	4,107	3,829	4,477	1,184
100%	4,915	3,243	2,185	0	0	0	0	0	4,059	4,857	4,556	4,677	1,334
Mean	2,513	1,668	976	0	0	0	0	0	2,115	3,270	3,096	2,937	1,006
VA + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	0	0	302
10%	1,569	797	0	0	0	0	0	0	0	1,842	2,033	1,612	721
25%	2,005	1,378	0	0	0	0	0	0	1,933	3,036	2,894	1,928	944
50%	2,324	1,755	1,140	0	0	0	0	0	2,337	3,530	3,234	2,709	1,022
75%	2,864	1,972	1,472	0	0	0	0	0	2,509	3,781	3,507	3,030	1,082
90%	3,453	2,274	1,901	0	0	0	0	0	3,154	4,104	3,829	3,758	1,161
100%	4,915	3,241	2,185	0	0	0	0	0	4,059	4,869	4,556	4,494	1,268
Mean	2,481	1,624	976	0	0	0	0	0	2,122	3,295	3,097	2,612	984
55 w/WSAs													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	1,547	1,070	0	0	0	0	0	0	0	1,680	1,961	1,569	686
25%	1,852	1,325	0	0	0	0	0	0	1,656	2,135	2,158	1,842	810
50%	2,117	1,743	1,105	0	0	0	0	0	2,094	3,013	3,121	2,732	980
75%	2,839	1,941	1,491	0	0	0	0	0	3,051	3,807	3,543	3,962	1,109
90%	3,336	2,307	1,778	0	0	0	0	0	3,674	4,073	3,745	4,203	1,197
100%	3,900	3,177	2,202	0	0	0	0	0	4,256	4,694	4,575	4,552	1,366
Mean	2,328	1,671	954	0	0	0	0	0	2,169	2,953	2,892	2,818	957
55 w/WSAs + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	0	0	0
10%	1,542	1,065	0	0	0	0	0	0	0	1,686	1,880	1,566	684
25%	1,845	1,380	0	0	0	0	0	0	1,658	2,166	2,149	1,885	806
50%	2,104	1,755	1,147	0	0	0	0	0	2,113	3,101	3,222	2,654	971
75%	2,855	1,969	1,488	0	0	0	0	0	3,050	3,807	3,531	3,216	1,087
90%	3,350	2,328	1,838	0	0	0	0	0	3,780	4,073	3,713	3,481	1,166
100%	3,900	3,225	2,202	0	0	0	0	0	4,256	4,694	4,575	4,552	1,304
Mean	2,350	1,686	951	0	0	0	0	0	2,167	2,983	2,900	2,559	946

Table H1a7-94. Water Year Average of Monthly Flows (cfs) — Delta Cross Channel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	2,106	1,511	1,150	0	0	0	0	0	1,767	1,973	2,041	1,665
D	2,428	1,642	1,322	0	0	0	0	0	2,393	3,303	2,966	2,080
BN	2,571	1,860	1,088	0	0	0	0	0	2,443	3,819	3,324	2,874
AN	2,454	1,739	1,106	0	0	0	0	0	2,662	4,137	3,312	4,443
W	2,751	1,503	451	0	0	0	0	0	1,757	3,533	3,533	3,987
All	2,504	1,632	959	0	0	0	0	0	2,141	3,358	3,099	3,030
VA												
C	2,169	1,494	1,138	0	0	0	0	0	1,669	1,908	2,068	1,625
D	2,425	1,639	1,331	0	0	0	0	0	2,419	3,230	3,013	2,010
BN	2,601	1,879	1,068	0	0	0	0	0	2,427	3,675	3,280	2,558
AN	2,459	1,722	1,277	0	0	0	0	0	2,550	4,063	3,280	4,387
W	2,726	1,628	451	0	0	0	0	0	1,760	3,453	3,516	3,977
All	2,513	1,668	976	0	0	0	0	0	2,115	3,270	3,096	2,937
VA + 2025 ROD/ITP												
C	2,126	1,508	1,127	0	0	0	0	0	1,702	1,977	1,987	1,679
D	2,401	1,497	1,338	0	0	0	0	0	2,416	3,288	3,070	2,118
BN	2,550	1,735	1,072	0	0	0	0	0	2,406	3,676	3,288	2,591
AN	2,406	1,773	1,279	0	0	0	0	0	2,585	4,055	3,269	2,892
W	2,716	1,649	449	0	0	0	0	0	1,765	3,457	3,518	3,374
All	2,481	1,624	976	0	0	0	0	0	2,122	3,295	3,097	2,612
55 w/WSAs												
C	2,047	1,406	1,059	0	0	0	0	0	1,549	1,664	1,866	1,643
D	2,211	1,751	1,252	0	0	0	0	0	1,875	2,247	2,373	2,108
BN	2,474	1,767	1,073	0	0	0	0	0	2,606	3,308	2,911	2,382
AN	2,274	1,592	1,316	0	0	0	0	0	3,205	3,649	3,393	3,917
W	2,491	1,724	458	0	0	0	0	0	2,023	3,656	3,607	3,803
All	2,328	1,671	954	0	0	0	0	0	2,169	2,953	2,892	2,818
55 w/WSAs + 2025 ROD/ITP												
C	2,045	1,422	1,042	0	0	0	0	0	1,560	1,712	1,871	1,622
D	2,268	1,769	1,249	0	0	0	0	0	1,860	2,356	2,326	2,189
BN	2,522	1,773	1,082	0	0	0	0	0	2,587	3,321	3,004	2,242
AN	2,270	1,613	1,311	0	0	0	0	0	3,216	3,641	3,401	2,986
W	2,497	1,740	458	0	0	0	0	0	2,031	3,644	3,605	3,358
All	2,350	1,686	951	0	0	0	0	0	2,167	2,983	2,900	2,559

H1a7.3.2 Georgiana Slough

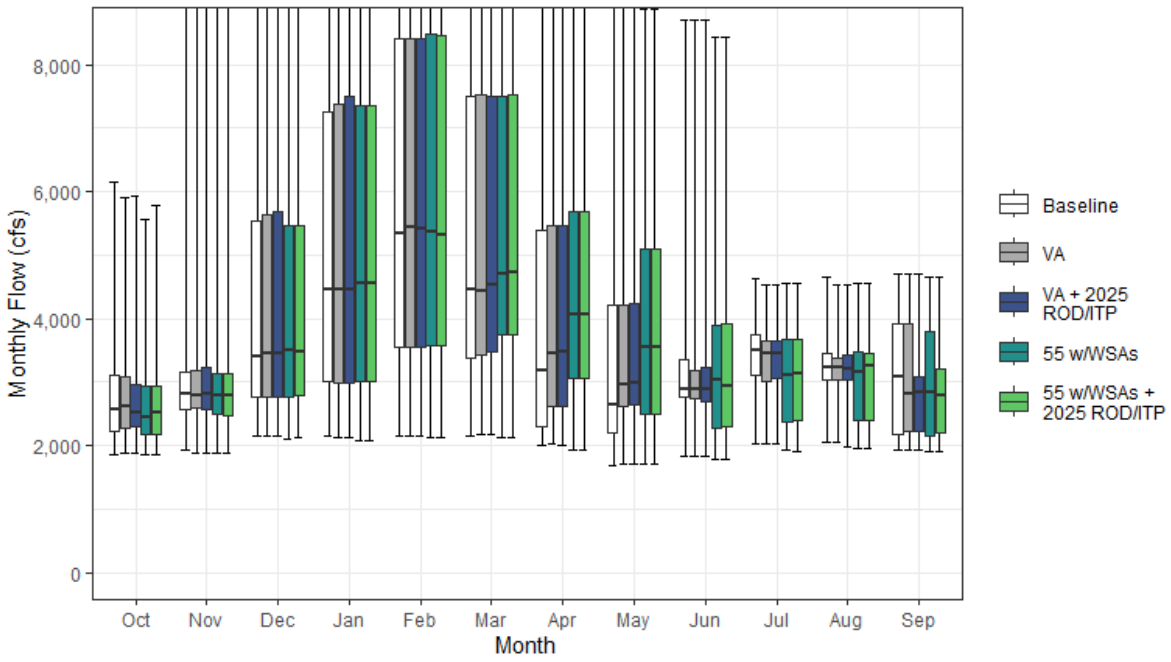

Figure H1a7-48. Georgiana Slough Monthly Boxplot (cfs)

Table H1a7-95. Cumulative Distribution of Monthly Flow (cfs) — Georgiana Slough

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	1,861	1,940	2,152	2,157	2,151	2,150	1,998	1,692	1,836	2,041	2,049	1,926	1,556
10%	1,951	2,148	2,619	2,614	2,818	2,719	2,134	2,108	2,396	2,167	2,353	1,981	1,853
25%	2,235	2,566	2,767	3,007	3,549	3,375	2,293	2,206	2,768	3,110	3,031	2,172	2,146
50%	2,570	2,804	3,411	4,454	5,334	4,471	3,183	2,641	2,882	3,495	3,230	3,085	2,553
75%	3,099	3,159	5,529	7,258	8,406	7,500	5,391	4,222	3,355	3,738	3,449	3,923	3,534
90%	3,460	4,272	8,670	9,617	10,479	9,106	8,185	6,734	4,651	4,049	3,671	4,183	4,159
100%	6,141	9,090	11,313	11,830	12,021	11,609	11,013	8,894	8,697	4,635	4,651	4,710	5,323
Mean	2,713	3,127	4,561	5,335	6,020	5,360	4,123	3,521	3,290	3,352	3,153	3,101	2,870
VA													
0%	1,877	1,884	2,152	2,119	2,151	2,187	2,028	1,709	1,836	2,040	2,052	1,925	1,602
10%	1,970	2,213	2,552	2,604	2,762	2,684	2,272	2,198	2,302	2,152	2,318	1,995	1,854
25%	2,270	2,584	2,757	2,974	3,550	3,421	2,608	2,614	2,731	3,006	3,033	2,215	2,196
50%	2,611	2,797	3,450	4,469	5,450	4,424	3,459	2,956	2,883	3,442	3,223	2,813	2,574
75%	3,090	3,175	5,633	7,366	8,402	7,524	5,454	4,220	3,186	3,658	3,378	3,920	3,518
90%	3,427	4,291	8,662	9,617	10,485	9,111	8,185	6,658	4,642	3,938	3,686	4,181	4,159
100%	5,901	9,094	11,276	11,830	12,022	11,610	11,015	8,896	8,697	4,538	4,529	4,702	5,309
Mean	2,717	3,118	4,550	5,338	6,026	5,370	4,310	3,718	3,266	3,284	3,150	3,030	2,884
VA + 2025 ROD/ITP													
0%	1,880	1,883	2,152	2,117	2,147	2,187	2,016	1,709	1,835	2,040	1,990	1,925	1,596
10%	1,952	2,202	2,548	2,589	2,726	2,742	2,258	2,207	2,337	2,162	2,309	2,007	1,851
25%	2,296	2,563	2,762	2,994	3,549	3,475	2,629	2,636	2,681	3,070	3,023	2,233	2,224
50%	2,523	2,812	3,450	4,469	5,412	4,540	3,489	2,981	2,897	3,446	3,218	2,840	2,574
75%	2,969	3,234	5,688	7,508	8,403	7,505	5,454	4,232	3,241	3,645	3,428	3,082	3,472
90%	3,466	4,538	8,657	9,617	10,485	9,111	8,184	6,658	4,632	3,913	3,686	3,676	4,178
100%	5,929	9,094	11,276	11,830	12,022	11,608	11,013	8,896	8,697	4,539	4,529	4,702	5,309
Mean	2,693	3,170	4,559	5,382	6,057	5,398	4,314	3,723	3,271	3,302	3,151	2,781	2,879
55 w/WSAs													
0%	1,860	1,879	2,111	2,071	2,132	2,124	1,929	1,705	1,791	1,932	1,956	1,903	1,505
10%	1,932	2,097	2,428	2,603	2,947	2,898	2,287	2,133	2,191	2,032	2,281	2,025	1,872
25%	2,164	2,501	2,759	3,018	3,579	3,735	3,059	2,493	2,282	2,383	2,409	2,158	2,133
50%	2,448	2,791	3,491	4,553	5,354	4,716	4,062	3,545	3,036	3,115	3,155	2,844	2,637
75%	2,927	3,121	5,470	7,358	8,481	7,494	5,680	5,091	3,885	3,674	3,468	3,794	3,622
90%	3,339	3,893	8,521	9,486	10,268	9,046	8,191	6,696	4,871	3,864	3,619	3,965	4,149
100%	5,554	9,103	11,277	11,818	11,992	11,592	11,004	8,865	8,424	4,560	4,545	4,644	5,306
Mean	2,610	3,034	4,523	5,356	6,073	5,534	4,612	3,975	3,347	3,041	2,994	2,938	2,893
55 w/WSAs + 2025 ROD/ITP													
0%	1,853	1,872	2,121	2,077	2,131	2,126	1,929	1,704	1,791	1,919	1,952	1,902	1,513
10%	1,938	2,102	2,395	2,618	2,925	2,898	2,274	2,136	2,204	2,033	2,237	1,954	1,865
25%	2,177	2,481	2,787	3,022	3,579	3,735	3,057	2,494	2,292	2,402	2,395	2,190	2,145
50%	2,524	2,791	3,479	4,553	5,320	4,717	4,062	3,556	2,930	3,131	3,250	2,787	2,637
75%	2,940	3,123	5,457	7,358	8,461	7,516	5,680	5,099	3,918	3,681	3,457	3,210	3,590
90%	3,376	4,089	8,562	9,552	10,268	9,046	8,191	6,696	4,871	3,861	3,609	3,442	4,169
100%	5,790	9,103	11,290	11,827	12,000	11,595	11,004	8,865	8,424	4,560	4,545	4,644	5,306
Mean	2,630	3,060	4,539	5,371	6,085	5,535	4,611	3,982	3,347	3,064	3,000	2,739	2,889

Table H1a7-96. Water Year Average of Monthly Flows (cfs) — Georgiana Slough

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	2,353	2,476	2,999	2,994	3,203	2,857	2,148	1,999	2,301	2,251	2,303	2,014
D	2,600	2,821	3,541	3,248	4,085	3,837	2,520	2,327	2,855	3,270	3,012	2,333
BN	2,710	2,877	3,534	4,398	5,512	4,598	3,577	2,795	2,899	3,666	3,286	2,941
AN	2,620	3,277	4,315	6,724	7,642	6,828	4,439	3,899	3,093	3,910	3,278	4,144
W	3,027	3,796	6,891	8,153	8,612	7,708	6,572	5,516	4,462	3,577	3,577	3,927
All	2,713	3,127	4,561	5,335	6,020	5,360	4,123	3,521	3,290	3,352	3,153	3,101
VA												
C	2,401	2,457	2,985	2,963	3,203	2,831	2,191	2,092	2,215	2,201	2,323	1,984
D	2,598	2,817	3,556	3,220	4,078	3,857	2,856	2,732	2,878	3,214	3,048	2,279
BN	2,732	2,899	3,497	4,406	5,504	4,636	3,903	3,149	2,885	3,556	3,252	2,699
AN	2,623	3,234	4,260	6,760	7,649	6,829	4,811	4,124	2,993	3,853	3,253	4,101
W	3,000	3,783	6,895	8,180	8,641	7,715	6,562	5,505	4,461	3,512	3,560	3,919
All	2,717	3,118	4,550	5,338	6,026	5,370	4,310	3,718	3,266	3,284	3,150	3,030
VA + 2025 ROD/ITP												
C	2,368	2,473	2,962	2,997	3,242	2,844	2,197	2,101	2,244	2,254	2,262	2,026
D	2,579	2,886	3,568	3,271	4,125	3,936	2,861	2,731	2,876	3,259	3,091	2,362
BN	2,693	2,949	3,514	4,429	5,576	4,667	3,918	3,158	2,867	3,556	3,259	2,724
AN	2,583	3,294	4,258	6,876	7,686	6,838	4,809	4,134	3,024	3,847	3,244	2,955
W	2,994	3,840	6,920	8,209	8,627	7,718	6,561	5,510	4,465	3,515	3,562	3,457
All	2,693	3,170	4,559	5,382	6,057	5,398	4,314	3,723	3,271	3,302	3,151	2,781
55 w/WSAs												
C	2,308	2,355	2,871	2,919	3,330	3,014	2,247	2,061	2,109	2,014	2,169	1,998
D	2,434	2,752	3,613	3,297	4,221	4,176	3,238	2,704	2,397	2,461	2,558	2,355
BN	2,635	2,771	3,528	4,430	5,534	4,884	4,390	3,511	3,043	3,274	2,970	2,564
AN	2,481	3,051	4,327	6,775	7,680	6,912	4,963	4,612	3,573	3,535	3,340	3,741
W	2,935	3,763	6,779	8,185	8,594	7,733	6,881	5,966	4,808	3,668	3,630	3,784
All	2,610	3,034	4,523	5,356	6,073	5,534	4,612	3,975	3,347	3,041	2,994	2,938
55 w/WSAs + 2025 ROD/ITP												
C	2,306	2,373	2,851	2,935	3,328	3,007	2,238	2,067	2,118	2,051	2,173	1,982
D	2,477	2,772	3,617	3,315	4,246	4,175	3,232	2,724	2,384	2,545	2,521	2,416
BN	2,671	2,777	3,545	4,441	5,545	4,885	4,390	3,517	3,027	3,284	3,041	2,457
AN	2,478	3,095	4,318	6,794	7,706	6,940	4,978	4,610	3,583	3,529	3,346	3,028
W	2,948	3,802	6,834	8,199	8,596	7,732	6,881	5,969	4,818	3,659	3,628	3,443
All	2,630	3,060	4,539	5,371	6,085	5,535	4,611	3,982	3,347	3,064	3,000	2,739

H1a7.3.3 San Joaquin River at Jersey Point (QWEST)

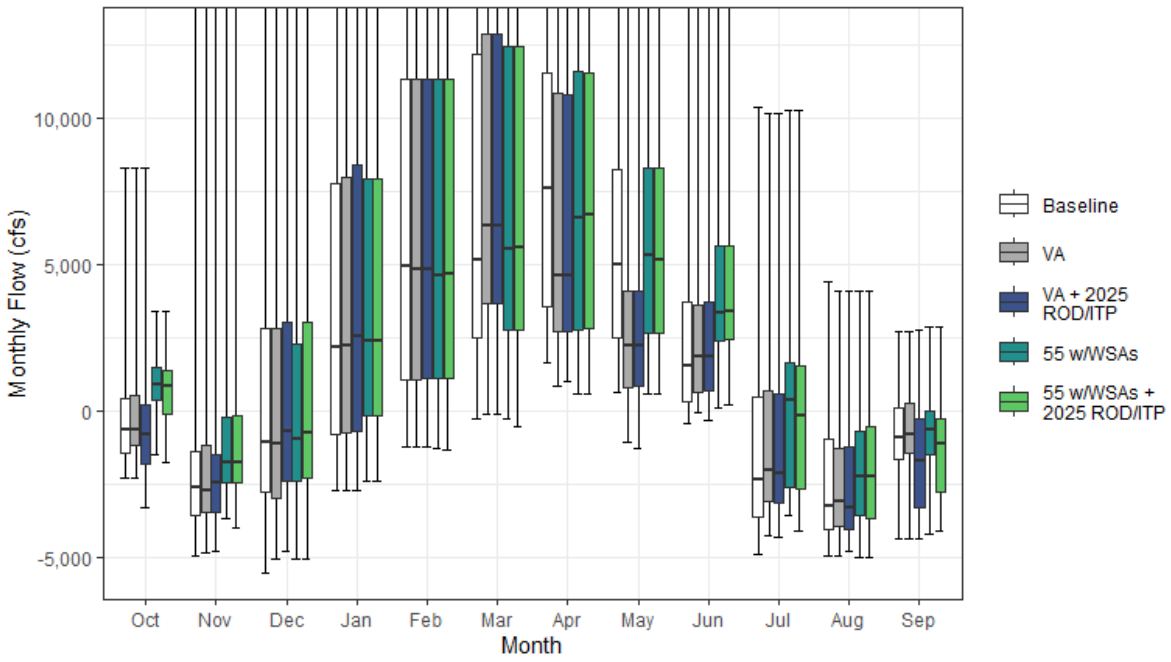

Figure H1a7-49. San Joaquin River at Jersey Point (QWEST) Monthly Boxplot (cfs)

Table H1a7-97. Cumulative Distribution of Monthly Flow (cfs) — San Joaquin River at Jersey Point (QWEST)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	-2,250	-4,916	-5,494	-2,694	-1,215	-250	1,657	661	-385	-4,894	-4,944	-4,338	-772
10%	-1,703	-4,108	-3,824	-1,608	-458	818	2,598	1,514	-4	-4,218	-4,268	-3,717	-297
25%	-1,394	-3,545	-2,723	-778	1,073	2,507	3,565	2,524	316	-3,603	-4,000	-1,639	165
50%	-617	-2,583	-1,050	2,178	4,947	5,192	7,596	5,020	1,545	-2,337	-3,241	-876	1,011
75%	443	-1,352	2,816	7,780	11,348	12,197	11,524	8,236	3,727	496	-948	116	3,383
90%	1,236	42	8,777	16,005	21,027	18,915	16,394	12,603	9,746	1,769	906	694	5,607
100%	8,302	16,374	28,118	75,267	57,185	63,141	37,264	26,668	25,245	10,374	4,424	2,742	15,765
Mean	-307	-2,034	1,434	5,646	8,242	8,208	8,954	6,340	3,213	-1,362	-2,320	-1,055	2,086
VA													
0%	-2,291	-4,798	-5,007	-2,676	-1,215	-89	885	-1,028	-31	-4,229	-4,903	-4,350	-707
10%	-1,771	-4,172	-3,828	-1,617	-393	1,704	2,245	49	144	-3,758	-4,239	-2,858	-287
25%	-1,178	-3,458	-2,982	-728	1,068	3,704	2,699	811	649	-3,058	-3,938	-1,439	234
50%	-614	-2,668	-1,083	2,234	4,857	6,316	4,660	2,231	1,883	-1,998	-3,051	-772	886
75%	526	-1,133	2,831	7,957	11,334	12,866	10,838	4,121	3,652	689	-1,253	276	3,057
90%	1,265	10	8,813	16,047	21,026	18,899	16,254	11,459	9,477	1,789	1,111	710	5,535
100%	8,302	16,419	28,079	75,274	57,487	63,138	37,723	26,681	25,245	10,183	4,094	2,745	15,828
Mean	-314	-2,031	1,508	5,703	8,350	9,184	7,736	4,064	3,387	-994	-2,267	-773	2,001
VA + 2025 ROD/ITP													
0%	-3,274	-4,755	-4,789	-2,674	-1,215	-86	1,007	-1,263	-309	-4,301	-4,745	-4,354	-870
10%	-2,419	-4,007	-3,526	-1,612	-338	1,585	2,205	-5	150	-3,797	-4,313	-3,707	-304
25%	-1,812	-3,435	-2,350	-699	1,118	3,703	2,718	865	697	-3,119	-4,013	-3,263	159
50%	-806	-2,403	-701	2,580	4,857	6,318	4,660	2,266	1,853	-2,097	-3,267	-1,668	893
75%	248	-1,475	3,020	8,407	11,355	12,866	10,815	4,126	3,727	585	-1,188	-266	2,954
90%	1,268	-18	8,832	16,133	21,026	18,906	16,278	11,472	9,503	1,757	1,024	382	5,497
100%	8,303	16,419	28,079	75,269	57,488	63,138	37,270	26,678	25,245	10,183	4,094	2,750	15,828
Mean	-626	-1,979	1,699	5,763	8,411	9,215	7,716	4,069	3,403	-1,090	-2,281	-1,657	1,946
55 w/WSAs													
0%	-1,473	-3,635	-5,011	-2,399	-1,285	-230	594	599	141	-3,520	-4,978	-4,198	-104
10%	-614	-2,881	-2,981	-1,525	-380	949	2,221	1,845	1,770	-3,069	-4,063	-2,854	385
25%	393	-2,436	-2,386	-130	1,108	2,760	2,787	2,675	2,392	-2,601	-3,547	-1,467	628
50%	911	-1,714	-944	2,398	4,628	5,559	6,609	5,337	3,342	368	-2,201	-637	1,330
75%	1,521	-208	2,311	7,912	11,327	12,436	11,584	8,322	5,671	1,643	-665	7	3,700
90%	2,036	305	9,119	15,813	20,762	18,771	15,910	12,339	10,245	2,290	1,593	837	5,869
100%	3,405	16,008	28,076	75,230	57,205	61,330	37,318	26,935	25,075	10,287	4,083	2,862	15,310
Mean	879	-1,090	1,689	5,864	8,286	8,446	8,152	6,379	4,849	18	-1,732	-785	2,451
55 w/WSAs + 2025 ROD/ITP													
0%	-1,718	-3,991	-5,009	-2,399	-1,306	-540	594	599	246	-4,068	-4,982	-4,098	-409
10%	-914	-2,930	-2,862	-1,519	-403	939	2,288	1,846	1,779	-3,130	-4,216	-3,563	254
25%	-79	-2,442	-2,279	-155	1,141	2,760	2,854	2,677	2,476	-2,648	-3,626	-2,756	639
50%	872	-1,750	-738	2,397	4,679	5,598	6,697	5,146	3,401	-152	-2,202	-1,089	1,315
75%	1,396	-121	3,036	7,911	11,312	12,440	11,551	8,325	5,670	1,540	-504	-262	3,574
90%	1,824	197	9,129	15,838	20,762	18,851	15,895	12,340	10,233	2,391	1,621	307	5,796
100%	3,409	16,008	28,076	75,239	57,214	61,330	37,316	26,935	25,075	10,287	4,083	2,862	15,311
Mean	690	-1,146	1,787	5,890	8,297	8,438	8,185	6,347	4,848	-97	-1,784	-1,444	2,394

Table H1a7-98. Water Year Average of Monthly Flows (cfs) — San Joaquin River at Jersey Point (QWEST)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	336	-1,699	-1,100	145	720	1,276	2,701	1,539	1,738	545	-191	266
D	-505	-2,457	-1,146	-496	2,005	3,138	4,230	2,846	478	-3,449	-2,998	-1,366
BN	-190	-2,184	-1,148	2,072	5,882	5,359	8,396	5,287	1,104	-3,266	-4,050	-3,178
AN	-617	-1,455	452	8,377	10,944	10,316	10,045	8,312	2,633	-1,791	-3,828	-780
W	-455	-2,039	6,704	14,256	17,240	16,585	15,668	11,342	7,575	530	-1,258	-296
All	-307	-2,034	1,434	5,646	8,242	8,208	8,954	6,340	3,213	-1,362	-2,320	-1,055
VA												
C	216	-1,575	-1,178	398	979	1,491	2,596	1,095	2,006	787	-176	361
D	-446	-2,520	-1,027	-491	2,052	5,104	3,104	656	759	-2,827	-2,920	-1,019
BN	-274	-2,252	-1,061	2,116	5,980	7,943	5,209	2,209	1,322	-2,726	-3,918	-2,575
AN	-692	-1,431	516	8,392	11,101	10,303	10,780	4,236	2,741	-1,441	-3,879	-331
W	-373	-2,014	6,824	14,272	17,300	16,618	14,258	9,254	7,617	676	-1,214	-234
All	-314	-2,031	1,508	5,703	8,350	9,184	7,736	4,064	3,387	-994	-2,267	-773
VA + 2025 ROD/ITP												
C	91	-1,685	-670	360	1,060	1,429	2,576	1,091	1,981	517	-35	236
D	-945	-2,561	-716	-454	2,108	5,188	3,049	672	791	-3,061	-3,081	-1,350
BN	-722	-2,175	-665	2,300	6,117	7,970	5,210	2,207	1,379	-2,737	-3,904	-2,647
AN	-758	-1,313	512	8,507	11,124	10,368	10,701	4,220	2,781	-1,449	-3,908	-3,429
W	-661	-1,852	6,707	14,301	17,321	16,648	14,272	9,267	7,608	684	-1,216	-1,555
All	-626	-1,979	1,699	5,763	8,411	9,215	7,716	4,069	3,403	-1,090	-2,281	-1,657
55 w/WSAs												
C	964	-997	-639	631	835	1,167	2,435	1,976	2,574	1,586	538	98
D	1,156	-1,420	-979	-116	2,159	3,528	3,003	3,424	3,016	310	-1,728	-1,309
BN	663	-1,541	-680	2,286	5,976	5,861	7,124	4,900	2,962	-1,957	-2,985	-2,049
AN	1,068	-560	920	8,450	11,286	10,659	8,720	7,369	4,213	-1,432	-3,592	148
W	691	-825	6,696	14,272	17,016	16,687	15,401	11,433	8,857	797	-1,408	-444
All	879	-1,090	1,689	5,864	8,286	8,446	8,152	6,379	4,849	18	-1,732	-785
55 w/WSAs + 2025 ROD/ITP												
C	929	-1,101	-467	565	769	1,138	2,533	1,958	2,550	1,424	547	160
D	800	-1,509	-913	-17	2,182	3,527	3,029	3,328	3,091	-74	-1,620	-1,523
BN	288	-1,490	-741	2,296	6,038	5,864	7,174	4,855	3,054	-2,022	-3,310	-1,599
AN	1,038	-685	1,274	8,512	11,318	10,677	8,719	7,395	4,110	-1,451	-3,705	-2,873
W	597	-872	6,775	14,287	17,020	16,667	15,408	11,428	8,794	835	-1,414	-1,572
All	690	-1,146	1,787	5,890	8,297	8,438	8,185	6,347	4,848	-97	-1,784	-1,444

H1a7.3.4 Old and Middle Rivers Net Flow

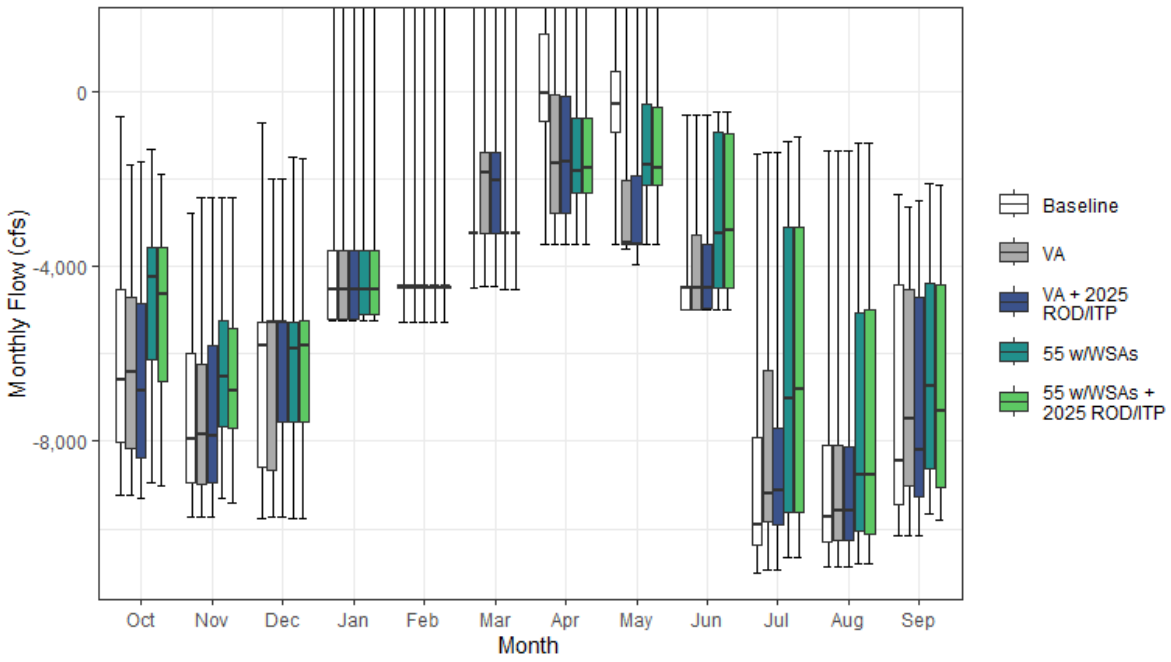

Figure H1a7-50. Old and Middle Rivers Net Flow Monthly Boxplot (cfs)

Table H1a7-99. Cumulative Distribution of Monthly Flow (cfs) — Old and Middle Rivers Net Flow

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	-9,246	-9,736	-9,765	-5,242	-5,268	-4,505	-3,500	-3,500	-5,000	-11,004	-10,872	-10,151	-4,649
10%	-8,550	-9,260	-9,368	-5,242	-5,000	-3,500	-2,655	-3,482	-5,000	-10,656	-10,494	-9,744	-4,314
25%	-8,018	-8,951	-8,595	-5,205	-4,483	-3,258	-663	-944	-5,000	-10,356	-10,319	-9,453	-4,221
50%	-6,581	-7,951	-5,822	-4,516	-4,464	-3,258	-31	-291	-4,500	-9,896	-9,722	-8,459	-3,848
75%	-4,519	-5,999	-5,269	-3,645	-4,448	-3,230	1,314	460	-4,465	-7,904	-8,083	-4,436	-3,379
90%	-3,534	-3,576	-4,004	-3,545	-3,668	-2,297	1,756	1,194	-1,658	-2,406	-4,898	-2,859	-2,355
100%	-560	-2,775	-714	19,185	6,005	16,816	7,516	3,500	-542	-1,410	-1,349	-2,354	-208
Mean	-6,193	-7,242	-6,473	-4,145	-4,073	-2,868	49	-397	-4,180	-8,365	-8,618	-7,235	-3,614
VA													
0%	-9,246	-9,736	-9,727	-5,242	-5,268	-4,461	-3,500	-3,596	-5,000	-10,939	-10,861	-10,151	-4,893
10%	-8,550	-9,260	-9,368	-5,242	-5,000	-3,258	-3,087	-3,500	-5,000	-10,278	-10,433	-9,491	-4,507
25%	-8,152	-8,983	-8,675	-5,205	-4,483	-3,258	-2,774	-3,500	-4,992	-9,829	-10,252	-9,031	-4,355
50%	-6,419	-7,840	-5,290	-4,516	-4,464	-1,851	-1,624	-3,476	-4,500	-9,204	-9,599	-7,503	-3,978
75%	-4,709	-6,229	-5,254	-3,645	-4,437	-1,385	-57	-2,022	-3,298	-6,395	-8,105	-4,539	-3,375
90%	-3,395	-3,925	-3,949	-3,145	-2,727	-788	563	-1,000	-1,496	-2,428	-4,888	-2,923	-2,251
100%	-1,672	-2,414	-1,989	19,192	6,288	16,814	7,957	3,516	-542	-1,394	-1,348	-2,651	-134
Mean	-6,211	-7,260	-6,406	-4,090	-3,980	-2,000	-1,304	-2,656	-3,949	-7,864	-8,552	-6,819	-3,696
VA + 2025 ROD/ITP													
0%	-9,287	-9,736	-9,727	-5,242	-5,268	-4,461	-3,500	-3,954	-5,000	-10,939	-10,861	-10,151	-4,895
10%	-8,637	-9,260	-9,340	-5,242	-5,000	-3,258	-3,087	-3,500	-5,000	-10,271	-10,439	-9,645	-4,508
25%	-8,385	-8,951	-7,542	-5,205	-4,483	-3,258	-2,797	-3,500	-4,974	-9,925	-10,264	-9,271	-4,379
50%	-6,833	-7,871	-5,290	-4,516	-4,464	-2,047	-1,622	-3,478	-4,500	-9,135	-9,596	-8,210	-3,995
75%	-4,838	-5,796	-5,259	-3,645	-4,440	-1,385	-92	-1,939	-3,505	-7,700	-8,115	-4,706	-3,438
90%	-3,373	-3,618	-4,118	-3,082	-2,726	-788	557	-1,001	-1,497	-2,431	-4,549	-2,860	-2,215
100%	-1,607	-2,411	-1,989	19,186	6,288	16,814	7,954	3,513	-542	-1,406	-1,349	-2,488	-134
Mean	-6,449	-7,221	-6,238	-4,076	-3,952	-1,998	-1,327	-2,656	-3,946	-7,992	-8,565	-7,101	-3,722
55 w/WSAs													
0%	-8,953	-9,293	-9,774	-5,242	-5,268	-4,516	-3,500	-3,500	-5,000	-10,653	-10,811	-9,671	-4,474
10%	-8,136	-8,397	-8,920	-5,233	-5,000	-3,500	-2,841	-2,577	-5,000	-10,083	-10,350	-9,357	-4,231
25%	-6,141	-7,666	-7,567	-5,084	-4,496	-3,258	-2,335	-2,141	-4,500	-9,618	-10,051	-8,644	-3,901
50%	-4,226	-6,524	-5,872	-4,516	-4,464	-3,258	-1,822	-1,682	-3,248	-7,019	-8,759	-6,737	-3,281
75%	-3,563	-5,241	-5,263	-3,637	-4,446	-3,234	-594	-298	-946	-3,091	-5,076	-4,372	-2,830
90%	-2,468	-3,200	-4,141	-2,326	-3,871	-2,389	-27	12	-762	-1,461	-4,006	-3,250	-2,055
100%	-1,330	-2,443	-1,515	19,186	6,071	15,114	7,617	3,491	-470	-1,126	-1,167	-2,090	-346
Mean	-4,836	-6,283	-6,163	-3,969	-4,076	-2,917	-1,463	-1,315	-2,874	-6,203	-7,539	-6,463	-3,270
55 w/WSAs + 2025 ROD/ITP													
0%	-9,009	-9,425	-9,774	-5,242	-5,268	-4,525	-3,500	-3,500	-5,000	-10,653	-10,811	-9,786	-4,561
10%	-8,174	-8,714	-8,920	-5,233	-5,000	-3,500	-2,840	-2,619	-4,994	-10,074	-10,386	-9,644	-4,272
25%	-6,628	-7,698	-7,541	-5,084	-4,496	-3,258	-2,335	-2,153	-4,493	-9,635	-10,136	-9,038	-3,955
50%	-4,632	-6,833	-5,811	-4,516	-4,464	-3,258	-1,753	-1,735	-3,174	-6,796	-8,759	-7,306	-3,477
75%	-3,569	-5,421	-5,247	-3,637	-4,446	-3,233	-613	-375	-959	-3,115	-4,995	-4,413	-2,871
90%	-2,487	-3,307	-3,956	-2,482	-3,870	-2,383	-11	8	-757	-1,448	-3,710	-2,988	-2,065
100%	-1,906	-2,420	-1,518	19,185	6,072	15,114	7,623	3,491	-476	-1,047	-1,171	-2,127	-346
Mean	-5,048	-6,372	-6,087	-3,961	-4,075	-2,927	-1,432	-1,350	-2,873	-6,358	-7,600	-6,645	-3,309

Table H1a7-100. Water Year Average of Monthly Flows (cfs) — Old and Middle Rivers Net Flow

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	-4,657	-5,557	-5,704	-3,847	-4,381	-3,124	-358	-738	-2,090	-2,949	-3,998	-3,057
D	-6,014	-6,989	-6,969	-4,916	-4,632	-3,211	-259	-540	-4,647	-9,118	-8,387	-5,463
BN	-6,136	-7,140	-6,947	-4,603	-4,520	-3,280	785	231	-4,858	-10,188	-10,248	-8,827
AN	-6,228	-7,331	-7,118	-4,173	-4,161	-3,187	620	843	-4,871	-9,983	-10,342	-9,409
W	-7,166	-8,356	-5,962	-3,437	-3,179	-2,091	-202	-1,004	-4,245	-8,899	-9,529	-8,886
All	-6,193	-7,242	-6,473	-4,145	-4,073	-2,868	49	-397	-4,180	-8,365	-8,618	-7,235
VA												
C	-4,874	-5,408	-5,750	-3,585	-4,142	-2,906	-502	-1,234	-1,672	-2,618	-4,028	-2,907
D	-5,959	-7,039	-6,881	-4,888	-4,577	-1,454	-1,649	-2,939	-4,432	-8,414	-8,393	-5,031
BN	-6,262	-7,227	-6,814	-4,567	-4,436	-980	-2,477	-2,936	-4,579	-9,442	-10,054	-7,729
AN	-6,297	-7,253	-7,162	-4,173	-4,024	-3,219	826	-3,113	-4,514	-9,483	-10,291	-8,889
W	-7,041	-8,433	-5,846	-3,437	-3,150	-2,077	-1,587	-2,847	-4,186	-8,610	-9,435	-8,812
All	-6,211	-7,260	-6,406	-4,090	-3,980	-2,000	-1,304	-2,656	-3,949	-7,864	-8,552	-6,819
VA + 2025 ROD/ITP												
C	-4,919	-5,537	-5,252	-3,652	-4,101	-2,979	-526	-1,246	-1,753	-2,981	-3,765	-3,108
D	-6,378	-7,012	-6,610	-4,902	-4,571	-1,457	-1,702	-2,920	-4,397	-8,725	-8,633	-5,506
BN	-6,591	-7,075	-6,471	-4,422	-4,377	-980	-2,490	-2,944	-4,491	-9,453	-10,055	-7,848
AN	-6,278	-7,242	-7,171	-4,173	-4,037	-3,163	756	-3,137	-4,538	-9,476	-10,298	-9,305
W	-7,295	-8,357	-5,973	-3,437	-3,114	-2,050	-1,574	-2,840	-4,203	-8,607	-9,440	-9,046
All	-6,449	-7,221	-6,238	-4,076	-3,952	-1,998	-1,327	-2,656	-3,946	-7,992	-8,565	-7,101
55 w/WSAs												
C	-3,981	-4,699	-5,077	-3,336	-4,414	-3,375	-744	-457	-936	-1,466	-3,017	-3,166
D	-4,153	-6,043	-6,807	-4,638	-4,689	-3,299	-2,364	-837	-1,538	-3,808	-6,144	-5,390
BN	-5,183	-6,334	-6,475	-4,463	-4,526	-3,278	-1,592	-1,501	-3,599	-7,907	-8,331	-6,673
AN	-4,359	-6,127	-6,882	-4,152	-3,901	-3,090	-1,563	-1,524	-4,518	-8,534	-9,976	-7,381
W	-5,763	-7,333	-5,786	-3,429	-3,230	-2,095	-1,065	-1,924	-3,769	-8,475	-9,496	-8,509
All	-4,836	-6,283	-6,163	-3,969	-4,076	-2,917	-1,463	-1,315	-2,874	-6,203	-7,539	-6,463
55 w/WSAs + 2025 ROD/ITP												
C	-4,010	-4,825	-4,881	-3,414	-4,472	-3,397	-646	-480	-977	-1,693	-3,017	-3,076
D	-4,571	-6,160	-6,753	-4,565	-4,689	-3,299	-2,334	-942	-1,443	-4,342	-5,968	-5,714
BN	-5,601	-6,297	-6,555	-4,467	-4,478	-3,278	-1,546	-1,547	-3,482	-7,987	-8,783	-6,038
AN	-4,383	-6,303	-6,547	-4,113	-3,897	-3,098	-1,578	-1,498	-4,634	-8,539	-10,094	-8,636
W	-5,869	-7,427	-5,763	-3,429	-3,229	-2,112	-1,057	-1,931	-3,843	-8,419	-9,496	-8,820
All	-5,048	-6,372	-6,087	-3,961	-4,075	-2,927	-1,432	-1,350	-2,873	-6,358	-7,600	-6,645

H1a7.3.5 Jones Pumping Plant (CVP)

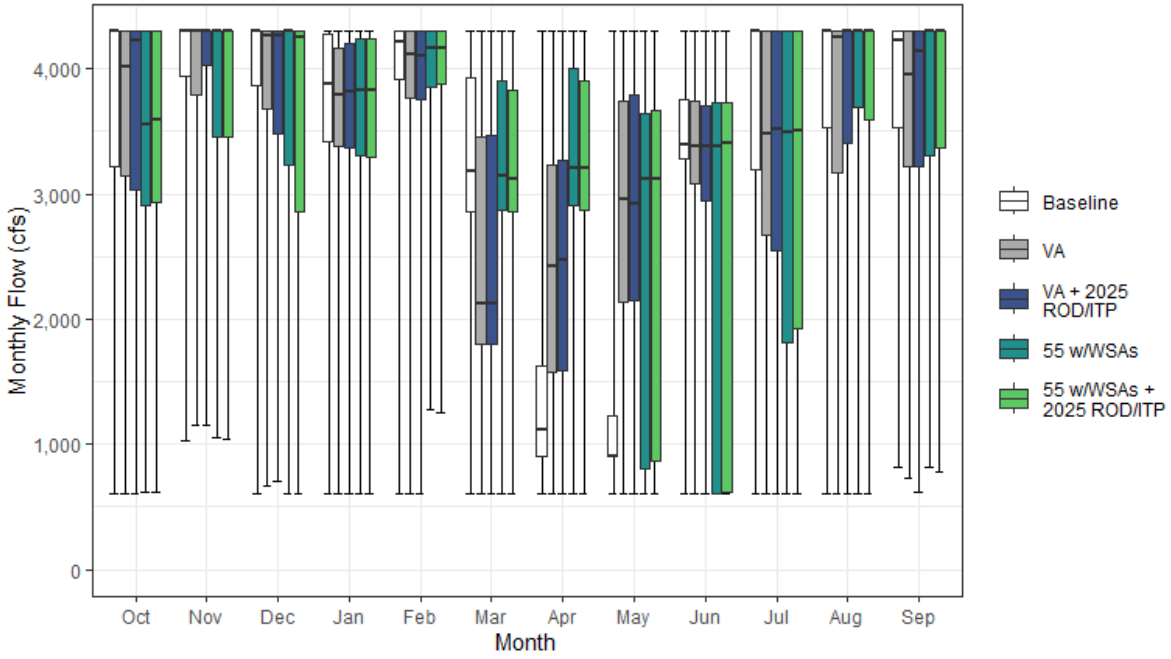

Figure H1a7-51. Jones Pumping Plant (CVP) Monthly Boxplot (cfs)

Table H1a7-101. Cumulative Distribution of Monthly Flow (cfs) — Jones Pumping Plant (CVP)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	609	1,023	600	600	603	600	600	609	605	603	601	821	1,148
10%	2,239	2,116	2,822	2,930	3,684	2,343	607	898	2,020	1,856	3,071	2,688	1,816
25%	3,221	3,937	3,863	3,424	3,911	2,864	899	899	3,280	3,196	3,525	3,524	2,296
50%	4,297	4,298	4,297	3,880	4,214	3,182	1,112	908	3,395	4,299	4,300	4,230	2,469
75%	4,300	4,300	4,298	4,273	4,297	3,925	1,628	1,230	3,758	4,300	4,300	4,300	2,638
90%	4,300	4,300	4,300	4,298	4,298	4,297	3,291	4,109	4,299	4,300	4,300	4,300	2,903
100%	4,300	4,300	4,300	4,300	4,300	4,299	4,300	4,300	4,300	4,300	4,300	4,300	3,089
Mean	3,634	3,823	3,899	3,668	4,004	3,188	1,556	1,537	3,315	3,570	3,789	3,782	2,398
VA													
0%	609	1,159	662	600	600	600	600	600	604	601	601	730	1,027
10%	2,248	2,003	2,593	2,643	3,118	1,740	741	1,479	1,267	1,844	2,076	2,658	1,776
25%	3,146	3,788	3,676	3,385	3,765	1,797	1,571	2,132	3,078	2,668	3,165	3,220	2,246
50%	4,016	4,298	4,264	3,793	4,111	2,120	2,425	2,962	3,377	3,480	4,248	3,957	2,518
75%	4,300	4,300	4,298	4,159	4,297	3,460	3,225	3,735	3,739	4,300	4,300	4,300	2,773
90%	4,300	4,300	4,300	4,297	4,298	4,297	3,897	4,107	4,299	4,300	4,300	4,300	2,929
100%	4,300	4,300	4,300	4,300	4,300	4,299	4,299	4,300	4,300	4,300	4,300	4,300	3,045
Mean	3,584	3,762	3,821	3,598	3,842	2,586	2,387	2,891	3,134	3,311	3,643	3,672	2,427
VA + 2025 ROD/ITP													
0%	600	1,155	703	600	606	600	600	600	604	605	601	618	1,004
10%	2,233	2,076	2,506	2,343	3,147	1,797	755	1,455	1,270	1,885	2,663	2,613	1,796
25%	3,030	4,031	3,483	3,363	3,752	1,797	1,589	2,143	2,948	2,542	3,400	3,219	2,243
50%	4,231	4,298	4,258	3,817	4,102	2,120	2,477	2,920	3,375	3,518	4,300	4,139	2,504
75%	4,300	4,300	4,298	4,196	4,297	3,471	3,269	3,786	3,700	4,300	4,300	4,300	2,763
90%	4,300	4,300	4,300	4,298	4,297	4,296	4,103	4,126	4,299	4,300	4,300	4,300	2,929
100%	4,300	4,300	4,300	4,300	4,300	4,299	4,299	4,300	4,300	4,300	4,300	4,300	3,050
Mean	3,543	3,802	3,729	3,570	3,835	2,587	2,415	2,896	3,125	3,308	3,714	3,692	2,426
55 w/WSAs													
0%	623	1,049	600	600	1,278	600	600	600	600	600	607	811	879
10%	2,196	1,489	1,566	1,700	3,379	1,792	1,189	609	607	609	2,467	2,536	1,632
25%	2,903	3,453	3,225	3,300	3,854	2,865	2,903	807	610	1,818	3,696	3,299	2,148
50%	3,557	4,297	4,295	3,824	4,162	3,150	3,204	3,121	3,385	3,487	4,299	4,298	2,580
75%	4,298	4,298	4,298	4,242	4,297	3,908	4,001	3,647	3,725	4,299	4,300	4,300	2,795
90%	4,299	4,300	4,299	4,297	4,298	4,298	4,299	4,113	4,298	4,300	4,300	4,300	2,976
100%	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,299	4,300	4,300	4,300	4,300	3,101
Mean	3,431	3,642	3,622	3,498	3,933	3,143	3,111	2,586	2,595	2,947	3,744	3,741	2,412
55 w/WSAs + 2025 ROD/ITP													
0%	621	1,045	600	600	1,255	600	600	600	600	600	601	776	901
10%	2,208	1,545	1,380	2,040	3,494	1,795	1,057	609	608	607	1,590	2,655	1,685
25%	2,932	3,449	2,852	3,298	3,881	2,862	2,864	868	616	1,925	3,588	3,372	2,124
50%	3,588	4,297	4,256	3,825	4,162	3,123	3,205	3,124	3,402	3,500	4,299	4,299	2,573
75%	4,298	4,298	4,298	4,241	4,297	3,822	3,902	3,669	3,726	4,299	4,300	4,300	2,807
90%	4,300	4,300	4,299	4,298	4,298	4,297	4,299	4,113	4,298	4,300	4,300	4,300	2,967
100%	4,300	4,300	4,300	4,300	4,300	4,299	4,300	4,299	4,300	4,300	4,300	4,300	3,101
Mean	3,429	3,667	3,484	3,525	3,930	3,115	3,069	2,616	2,628	2,985	3,680	3,802	2,408

Table H1a7-102. Water Year Average of Monthly Flows (cfs) — Jones Pumping Plant (CVP)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	3,131	3,053	3,496	2,985	3,611	2,551	927	1,010	1,615	1,519	2,425	2,557
D	3,691	3,772	4,020	3,628	3,985	2,872	1,227	1,098	3,330	3,623	3,784	3,886
BN	3,714	3,946	3,725	3,722	4,042	3,312	973	980	3,414	3,779	3,826	3,844
AN	3,498	3,759	4,012	3,839	4,144	3,486	1,323	924	3,715	4,066	4,281	4,019
W	3,863	4,218	4,091	3,957	4,147	3,564	2,596	2,740	3,986	4,296	4,300	4,224
All	3,634	3,823	3,899	3,668	4,004	3,188	1,556	1,537	3,315	3,570	3,789	3,782
VA												
C	3,290	2,857	3,253	2,712	3,299	2,295	1,046	1,251	1,167	1,553	2,022	2,738
D	3,601	3,732	3,999	3,631	3,723	1,755	1,993	2,538	3,072	3,233	3,616	4,085
BN	3,631	3,878	3,708	3,692	3,954	1,947	2,829	2,905	3,284	3,128	3,631	3,230
AN	3,488	3,593	3,879	3,841	4,142	3,337	1,464	3,155	3,582	3,667	4,225	3,508
W	3,737	4,260	4,043	3,889	4,028	3,455	3,479	3,909	3,955	4,280	4,300	4,215
All	3,584	3,762	3,821	3,598	3,842	2,586	2,387	2,891	3,134	3,311	3,643	3,672
VA + 2025 ROD/ITP												
C	2,993	3,096	3,117	2,748	3,275	2,361	1,070	1,256	1,230	1,560	2,360	2,459
D	3,602	3,769	3,897	3,624	3,738	1,757	2,046	2,520	3,057	3,235	3,678	4,073
BN	3,724	3,882	3,380	3,604	3,960	1,954	2,905	2,923	3,228	3,111	3,632	3,172
AN	3,482	3,614	3,887	3,841	4,143	3,237	1,510	3,190	3,517	3,652	4,248	3,945
W	3,702	4,227	4,091	3,839	4,003	3,457	3,454	3,911	3,964	4,280	4,300	4,300
All	3,543	3,802	3,729	3,570	3,835	2,587	2,415	2,896	3,125	3,308	3,714	3,692
55 w/WSAs												
C	2,964	2,635	2,871	2,294	3,635	2,277	1,141	711	610	740	2,002	3,070
D	3,312	3,731	3,669	3,535	3,959	2,822	3,181	1,495	1,346	2,506	3,835	3,954
BN	3,630	3,892	3,414	3,568	3,887	3,371	3,496	2,838	2,860	2,839	4,027	3,382
AN	3,001	3,454	3,670	3,846	4,144	3,529	3,523	3,430	3,702	3,598	4,113	3,664
W	3,812	4,030	4,100	3,929	4,017	3,541	3,702	3,887	3,960	4,257	4,279	4,201
All	3,431	3,642	3,622	3,498	3,933	3,143	3,111	2,586	2,595	2,947	3,744	3,741
55 w/WSAs + 2025 ROD/ITP												
C	3,006	2,583	2,510	2,544	3,698	2,230	1,035	716	655	772	1,905	2,920
D	3,385	3,758	3,667	3,413	3,962	2,823	3,149	1,599	1,332	2,657	3,716	3,624
BN	3,692	3,811	3,288	3,639	3,815	3,314	3,449	2,860	3,011	2,828	3,932	3,664
AN	2,921	3,478	3,660	3,846	4,144	3,504	3,542	3,427	3,703	3,605	4,083	4,281
W	3,725	4,163	3,924	3,930	4,018	3,521	3,665	3,896	3,959	4,258	4,279	4,300
All	3,429	3,667	3,484	3,525	3,930	3,115	3,069	2,616	2,628	2,985	3,680	3,802

H1a7.3.6 Banks Pumping Plant (SWP)

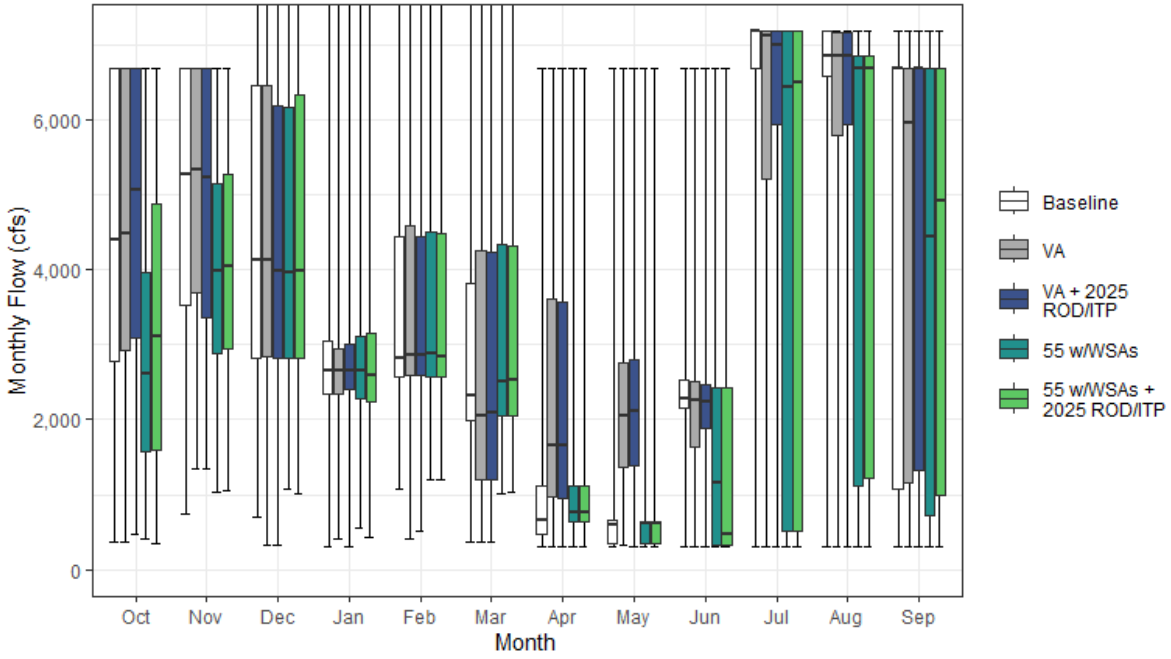

Figure H1a7-52. Banks Pumping Plant (SWP) Monthly Boxplot (cfs)

Table H1a7-103. Cumulative Distribution of Monthly Flow (cfs) — Banks Pumping Plant (SWP)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	362	738	697	315	1,067	358	301	301	315	307	301	310	791
10%	1,394	2,113	2,407	1,997	2,316	1,872	314	314	333	319	803	447	1,260
25%	2,773	3,525	2,813	2,333	2,575	1,984	467	338	2,161	6,680	6,574	1,076	2,144
50%	4,407	5,261	4,122	2,657	2,818	2,312	662	601	2,274	7,180	6,855	6,680	2,805
75%	6,680	6,680	6,445	3,053	4,441	3,813	1,106	662	2,524	7,180	7,180	6,680	3,296
90%	6,680	6,680	7,062	3,942	6,631	6,891	5,758	4,144	5,179	7,180	7,180	6,725	3,925
100%	6,680	6,680	7,678	8,500	8,500	7,561	6,680	6,680	6,680	7,180	7,180	7,180	5,024
Mean	4,378	4,900	4,449	2,933	3,689	3,193	1,667	1,284	2,499	5,796	5,643	4,649	2,724
VA													
0%	369	1,338	331	407	408	363	300	316	314	302	302	311	671
10%	1,299	2,265	2,211	1,975	2,432	1,202	364	640	439	333	1,051	468	1,327
25%	2,916	3,682	2,843	2,332	2,586	1,203	976	1,356	1,633	5,213	5,793	1,157	2,124
50%	4,482	5,332	4,125	2,654	2,871	2,045	1,660	2,046	2,254	7,117	6,855	5,960	2,873
75%	6,680	6,680	6,445	2,949	4,583	4,262	3,600	2,757	2,504	7,180	7,158	6,680	3,466
90%	6,680	6,680	7,062	4,140	6,670	6,781	5,363	4,640	5,180	7,180	7,180	6,685	4,032
100%	6,680	6,680	7,678	8,500	8,500	7,561	6,680	6,680	6,680	7,180	7,180	7,180	4,947
Mean	4,447	4,980	4,453	2,942	3,750	2,844	2,322	2,411	2,431	5,513	5,718	4,302	2,787
VA + 2025 ROD/ITP													
0%	481	1,349	331	308	505	368	300	302	312	303	302	310	702
10%	1,618	2,242	2,199	1,975	2,453	1,202	372	640	340	333	932	513	1,300
25%	3,081	3,359	2,823	2,400	2,587	1,203	959	1,387	1,883	5,946	5,936	1,329	2,268
50%	5,067	5,219	3,977	2,657	2,851	2,087	1,660	2,116	2,246	7,003	6,855	6,680	2,891
75%	6,680	6,680	6,186	3,010	4,441	4,235	3,567	2,790	2,469	7,180	7,158	6,680	3,439
90%	6,680	6,680	7,062	4,141	6,738	6,678	5,396	4,643	5,179	7,180	7,180	6,725	4,063
100%	6,680	6,680	7,678	8,500	8,500	7,561	6,680	6,680	6,680	7,180	7,180	7,180	4,948
Mean	4,750	4,898	4,361	2,955	3,726	2,840	2,319	2,406	2,437	5,655	5,662	4,591	2,817
55 w/WSAs													
0%	410	1,024	1,065	552	1,200	1,021	300	306	300	305	300	308	758
10%	691	1,891	2,402	1,539	2,326	1,937	612	324	324	310	693	448	1,169
25%	1,583	2,879	2,824	2,280	2,563	2,047	645	338	331	516	1,113	714	1,429
50%	2,608	3,972	3,964	2,643	2,872	2,508	765	620	1,166	6,430	6,680	4,438	2,374
75%	3,962	5,154	6,164	3,108	4,497	4,336	1,108	631	2,414	7,180	6,855	6,680	3,070
90%	6,680	6,680	7,029	4,134	6,671	6,429	5,082	3,963	5,019	7,180	7,180	6,680	3,659
100%	6,680	6,680	7,678	8,500	8,500	7,561	6,680	6,680	6,680	7,180	7,180	7,180	5,069
Mean	3,128	4,063	4,396	2,921	3,766	3,293	1,713	1,214	1,806	4,129	4,527	3,840	2,342
55 w/WSAs + 2025 ROD/ITP													
0%	347	1,047	1,020	425	1,197	1,022	302	313	300	301	309	300	771
10%	875	1,904	2,508	1,385	2,379	1,938	614	325	323	308	651	343	1,133
25%	1,583	2,953	2,823	2,239	2,576	2,047	642	339	333	521	1,213	982	1,554
50%	3,104	4,043	3,988	2,599	2,840	2,535	756	623	473	6,499	6,680	4,908	2,403
75%	4,884	5,261	6,320	3,150	4,473	4,320	1,109	632	2,427	7,180	6,855	6,680	3,121
90%	6,680	6,680	7,041	4,108	6,671	6,635	5,257	3,963	5,020	7,180	7,180	6,680	3,789
100%	6,680	6,680	7,678	8,500	8,500	7,561	6,680	6,680	6,680	7,180	7,180	7,180	5,068
Mean	3,362	4,135	4,451	2,885	3,768	3,331	1,721	1,222	1,773	4,259	4,657	3,978	2,388

Table H1a7-104. Water Year Average of Monthly Flows (cfs) — Banks Pumping Plant (SWP)

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	2,946	3,463	3,318	2,009	2,528	2,047	457	385	559	1,115	1,408	898
D	4,056	4,515	4,458	2,641	2,581	2,019	539	536	1,896	5,908	5,017	2,315
BN	4,261	4,649	4,758	2,516	3,388	2,490	705	557	2,339	7,062	7,119	6,139
AN	4,402	5,007	4,941	2,775	3,894	3,319	1,414	577	2,753	7,000	6,940	6,722
W	5,442	6,064	4,651	3,967	5,230	5,062	3,849	3,057	3,977	6,927	6,908	6,588
All	4,378	4,900	4,449	2,933	3,689	3,193	1,667	1,284	2,499	5,796	5,643	4,649
VA												
C	3,025	3,495	3,612	1,995	2,577	2,064	496	687	556	723	1,842	554
D	4,086	4,610	4,382	2,608	2,783	1,208	1,299	1,728	1,922	5,535	5,191	1,642
BN	4,483	4,813	4,629	2,506	3,384	1,329	2,429	2,109	2,167	6,906	7,103	5,548
AN	4,487	5,086	5,123	2,774	3,749	3,503	1,046	2,689	2,500	6,857	6,940	6,662
W	5,431	6,107	4,573	4,035	5,318	5,155	4,490	3,911	3,943	6,631	6,807	6,517
All	4,447	4,980	4,453	2,942	3,750	2,844	2,322	2,411	2,431	5,513	5,718	4,302
VA + 2025 ROD/ITP												
C	3,372	3,398	3,200	2,032	2,555	2,078	498	696	580	1,109	1,221	1,053
D	4,544	4,544	4,187	2,630	2,762	1,208	1,305	1,726	1,900	5,870	5,389	2,175
BN	4,751	4,643	4,580	2,436	3,314	1,323	2,367	2,100	2,128	6,934	7,103	5,736
AN	4,472	5,054	5,124	2,773	3,763	3,542	1,078	2,680	2,591	6,865	6,925	6,681
W	5,745	6,056	4,663	4,085	5,305	5,123	4,501	3,901	3,954	6,628	6,812	6,689
All	4,750	4,898	4,361	2,955	3,726	2,840	2,319	2,406	2,437	5,655	5,662	4,591
55 w/WSAs												
C	2,406	2,941	3,257	2,147	2,550	2,596	663	368	320	313	789	507
D	2,429	3,581	4,630	2,427	2,669	2,165	773	443	516	1,351	2,533	2,171
BN	3,324	3,842	4,573	2,542	3,560	2,428	715	519	1,531	5,594	4,843	4,217
AN	2,896	4,016	5,055	2,770	3,605	3,170	1,509	631	2,385	5,968	6,711	4,870
W	3,993	5,174	4,457	3,996	5,415	5,088	3,676	2,905	3,487	6,539	6,908	6,192
All	3,128	4,063	4,396	2,921	3,766	3,293	1,713	1,214	1,806	4,129	4,527	3,840
55 w/WSAs + 2025 ROD/ITP												
C	2,395	3,131	3,404	1,983	2,550	2,667	661	387	320	527	885	558
D	2,815	3,682	4,573	2,468	2,666	2,165	772	455	428	1,778	2,461	2,855
BN	3,722	3,882	4,787	2,475	3,579	2,485	712	547	1,253	5,693	5,427	3,238
AN	3,003	4,185	4,697	2,727	3,601	3,203	1,507	606	2,509	5,966	6,869	5,630
W	4,196	5,144	4,608	3,995	5,412	5,126	3,707	2,904	3,568	6,478	6,908	6,434
All	3,362	4,135	4,451	2,885	3,768	3,331	1,721	1,222	1,773	4,259	4,657	3,978

H1a7.4 Interbasin Diversions

H1a7.4.1 Bowman-Spaulding Conduit

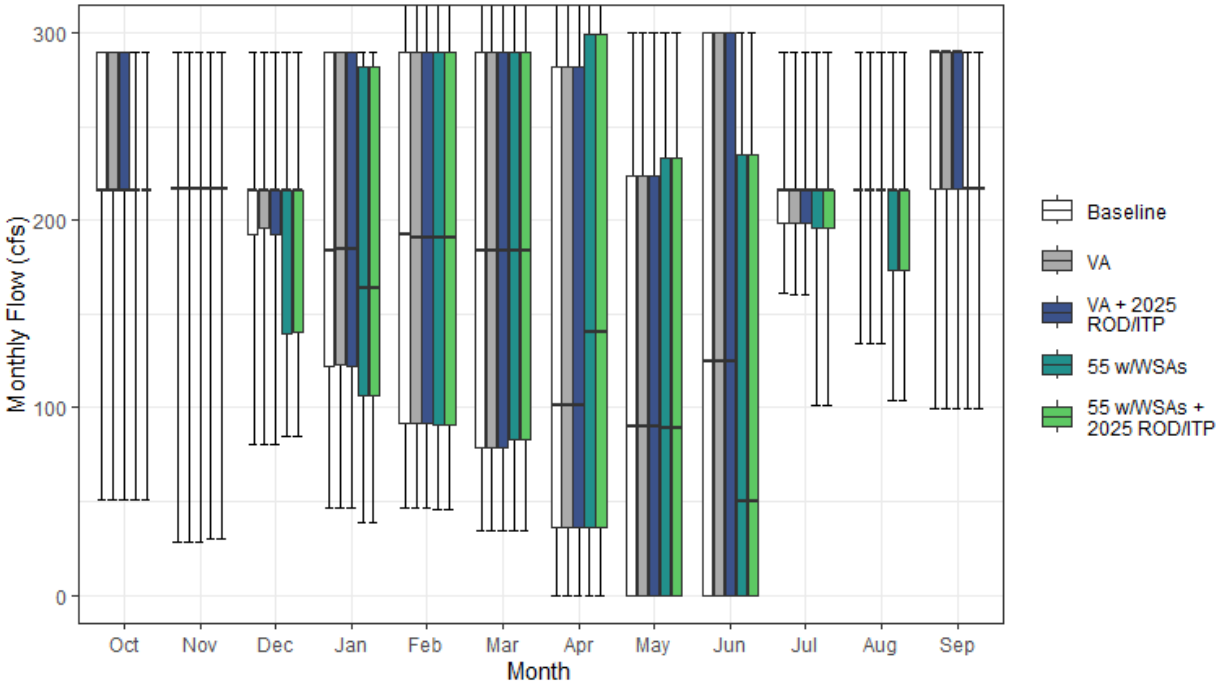

Figure H1a7-53. Bowman-Spaulding Conduit Monthly Boxplot (cfs)

Table H1a7-105. Cumulative Distribution of Monthly Flow (cfs) — Bowman-Spaulding Conduit

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	51	28	81	47	47	34	0	0	0	161	134	100	73
10%	163	217	127	73	71	47	0	0	0	176	169	126	90
25%	216	217	192	122	91	79	36	0	0	198	216	217	102
50%	216	217	216	184	193	184	102	90	124	216	216	290	134
75%	290	217	216	290	290	290	282	224	300	216	216	290	179
90%	290	217	290	290	315	303	302	300	300	216	290	290	196
100%	290	290	290	290	325	325	325	300	300	290	290	290	208
Mean	233	220	214	190	190	178	143	122	145	206	224	237	139
VA													
0%	51	28	81	47	47	34	0	0	0	161	134	100	73
10%	163	217	127	73	71	47	0	0	0	176	169	126	90
25%	216	217	196	123	91	79	36	0	0	198	216	217	102
50%	216	217	216	184	191	184	102	90	124	216	216	290	134
75%	290	217	216	290	290	290	282	224	300	216	216	290	179
90%	290	217	290	290	313	303	302	300	300	216	290	290	197
100%	290	290	290	290	325	325	325	300	300	290	290	290	212
Mean	232	220	214	191	190	178	143	122	145	208	224	239	139
VA + 2025 ROD/ITP													
0%	51	28	81	47	47	34	0	0	0	161	134	100	73
10%	163	217	127	73	71	47	0	0	0	176	169	126	90
25%	216	217	192	123	91	79	36	0	0	198	216	217	102
50%	216	217	216	184	191	184	102	90	124	216	216	290	134
75%	290	217	216	290	290	290	282	224	300	216	216	290	179
90%	290	217	290	290	313	297	302	300	300	216	290	290	197
100%	290	290	290	290	325	325	325	300	300	290	290	290	212
Mean	233	220	214	191	190	178	143	122	145	208	224	238	139
55 w/WSAs													
0%	51	30	85	39	45	34	0	0	0	101	104	100	67
10%	122	191	107	67	72	47	0	0	0	161	134	100	80
25%	216	217	139	107	91	83	36	0	0	196	173	217	96
50%	216	217	216	163	191	184	140	89	50	216	216	217	128
75%	216	217	216	282	290	290	299	233	235	216	216	217	164
90%	290	217	290	290	310	290	300	300	300	216	231	290	187
100%	290	290	290	290	325	325	325	300	300	290	290	290	208
Mean	212	212	191	177	189	179	153	116	116	202	206	211	131
55 w/WSAs + 2025 ROD/ITP													
0%	51	30	85	39	45	34	0	0	0	101	104	100	67
10%	122	191	108	67	72	47	0	0	0	161	134	100	80
25%	216	217	140	107	91	83	36	0	0	196	173	217	96
50%	216	217	216	163	191	184	140	89	50	216	216	217	128
75%	216	217	216	282	290	290	299	233	235	216	216	217	164
90%	290	217	290	290	310	291	300	300	300	216	290	290	187
100%	290	290	290	290	325	325	325	300	300	290	290	290	208
Mean	212	212	192	177	189	179	153	116	116	202	206	211	131

Table H1a7-106. Water Year Average of Monthly Flows (cfs) — Bowman-Spaulding Conduit

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	216	222	182	117	99	94	10	0	3	201	181	161
D	222	218	200	149	124	103	55	33	50	206	197	204
BN	238	216	202	173	151	146	103	99	147	202	220	256
AN	223	203	215	207	231	203	192	195	208	202	235	272
W	251	229	248	265	296	290	284	238	262	214	265	277
All	233	220	214	190	190	178	143	122	145	206	224	237
VA												
C	211	222	185	117	99	94	10	0	3	201	181	161
D	222	218	200	149	124	103	55	33	50	206	197	204
BN	234	216	202	173	151	146	103	99	147	202	220	256
AN	229	203	215	208	228	203	192	195	208	196	235	278
W	251	229	248	265	295	290	284	237	262	221	265	280
All	232	220	214	191	190	178	143	122	145	208	224	239
VA + 2025 ROD/ITP												
C	216	222	182	117	99	94	10	0	3	201	181	161
D	222	218	200	149	124	103	55	33	50	206	197	204
BN	234	216	202	173	151	146	103	99	147	202	220	256
AN	229	203	215	207	228	203	192	195	208	196	235	272
W	251	229	248	265	296	289	284	237	262	221	265	280
All	233	220	214	191	190	178	143	122	145	208	224	238
55 w/WSAs												
C	176	205	159	110	96	95	9	0	0	198	153	139
D	199	206	182	133	127	106	63	24	36	200	189	188
BN	237	217	174	153	155	153	123	86	104	201	208	230
AN	203	199	197	188	227	193	214	170	163	194	216	241
W	230	224	224	256	291	287	291	242	224	208	240	243
All	212	212	191	177	189	179	153	116	116	202	206	211
55 w/WSAs + 2025 ROD/ITP												
C	176	205	159	110	96	95	9	0	0	198	153	139
D	199	206	185	133	127	106	63	24	36	200	189	188
BN	237	217	174	153	155	153	123	86	104	201	208	230
AN	203	199	197	188	227	193	214	170	164	194	222	235
W	230	224	224	256	291	288	291	242	224	210	240	243
All	212	212	192	177	189	179	153	116	116	202	206	211

H1a7.4.2 Drum Canal

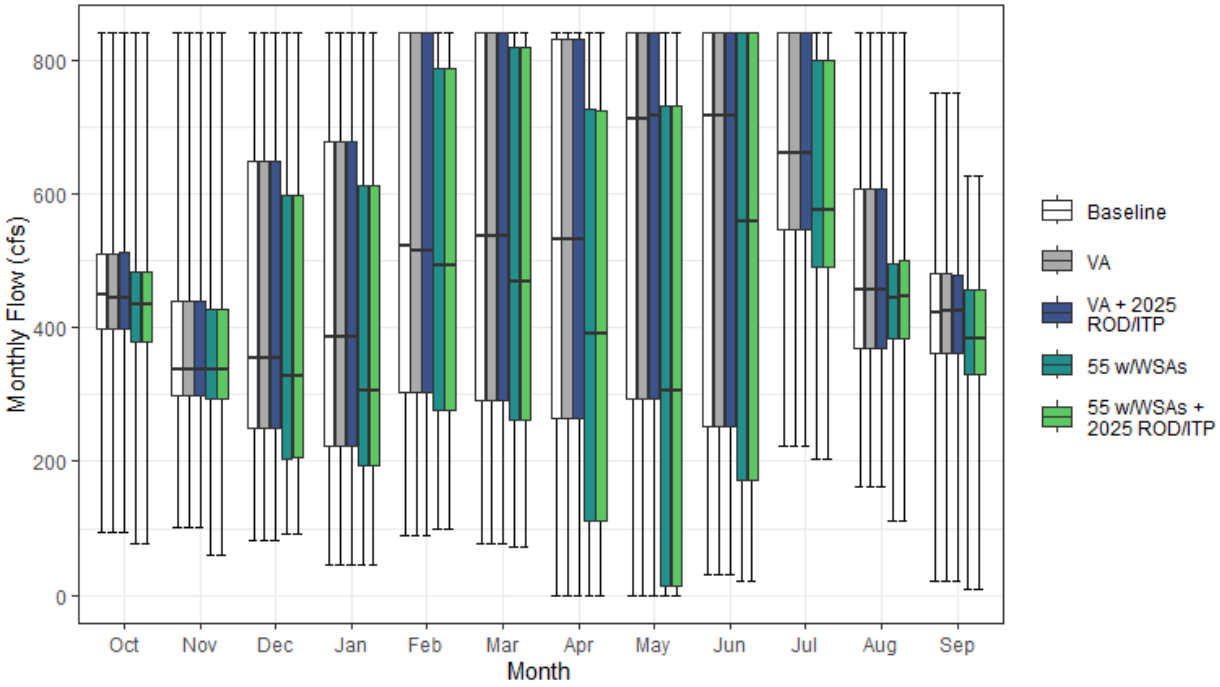

Figure H1a7-54. Drum Canal Monthly Boxplot (cfs)

Table H1a7-107. Cumulative Distribution of Monthly Flow (cfs) — Drum Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	95	101	82	44	89	77	0	0	31	223	162	22	87
10%	349	272	170	131	176	187	128	16	85	349	266	114	180
25%	398	298	249	222	303	290	264	294	251	545	369	362	257
50%	449	338	354	385	521	537	532	711	717	660	457	423	356
75%	510	440	648	678	840	840	831	840	840	840	608	481	475
90%	567	674	840	840	840	840	840	840	840	840	826	550	521
100%	840	840	840	840	840	840	840	840	840	840	840	750	576
Mean	450	403	441	443	522	522	503	557	577	653	496	394	360
VA													
0%	95	101	81	44	89	77	0	0	31	223	163	22	87
10%	349	272	170	131	176	187	128	16	86	349	265	114	180
25%	398	298	250	222	303	290	264	294	251	545	369	362	257
50%	443	338	354	385	515	537	532	711	717	660	457	424	356
75%	510	440	648	678	840	840	831	840	840	840	608	481	473
90%	567	674	840	840	840	840	840	840	840	840	825	550	521
100%	840	840	840	840	840	840	840	840	840	840	840	750	576
Mean	450	403	441	444	522	522	503	557	577	653	496	395	360
VA + 2025 ROD/ITP													
0%	95	101	81	44	89	77	0	0	31	223	162	22	87
10%	349	272	170	131	176	187	128	16	87	349	265	114	180
25%	398	298	249	222	303	290	264	294	251	545	369	362	257
50%	444	338	354	385	515	537	532	716	717	660	457	424	356
75%	511	440	648	678	840	840	831	840	840	840	608	478	473
90%	567	674	840	840	840	840	840	840	840	840	825	550	521
100%	840	840	840	840	840	840	840	840	840	840	840	750	576
Mean	450	403	441	443	522	522	503	557	577	653	496	395	360
55 w/WSAs													
0%	76	60	91	44	98	72	0	0	22	203	112	9	86
10%	340	258	142	106	165	146	0	6	33	272	213	236	154
25%	378	292	203	194	276	261	112	14	173	491	384	331	215
50%	435	337	326	305	493	467	391	307	559	575	444	383	326
75%	482	426	597	613	787	820	725	730	840	798	494	456	435
90%	532	603	840	840	840	840	840	840	840	840	581	516	497
100%	840	840	840	840	840	840	840	840	840	840	840	627	556
Mean	432	384	403	417	509	489	412	374	507	586	442	371	321
55 w/WSAs + 2025 ROD/ITP													
0%	76	60	91	44	98	72	0	0	22	203	112	9	86
10%	340	258	141	106	165	146	0	6	33	272	213	236	154
25%	378	292	206	194	276	261	112	14	173	491	384	331	215
50%	435	337	326	305	493	467	391	307	559	575	446	383	326
75%	482	426	597	613	787	820	723	730	840	798	500	456	435
90%	532	603	840	840	840	840	840	840	840	840	610	511	497
100%	840	840	840	840	840	840	840	840	840	840	840	627	556
Mean	432	384	404	417	509	489	412	374	507	585	444	371	322

Table H1a7-108. Water Year Average of Monthly Flows (cfs) — Drum Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	430	337	292	187	296	279	120	107	234	404	285	168
D	416	372	345	264	381	336	356	357	400	558	373	350
BN	430	348	321	377	405	472	495	611	608	689	480	415
AN	435	400	478	566	626	655	636	796	686	710	536	465
W	506	497	651	704	778	767	768	814	827	811	694	505
All	450	403	441	443	522	522	503	557	577	653	496	394
VA												
C	426	337	294	187	296	279	120	107	234	404	285	168
D	416	372	345	265	381	336	356	357	400	558	373	350
BN	426	348	321	377	405	472	495	611	609	689	480	415
AN	441	400	478	567	623	655	636	796	686	710	532	471
W	506	497	651	704	778	767	767	814	827	811	696	507
All	450	403	441	444	522	522	503	557	577	653	496	395
VA + 2025 ROD/ITP												
C	430	337	292	187	296	279	120	107	234	404	285	168
D	416	372	345	265	381	336	356	357	400	558	373	350
BN	426	348	321	377	405	472	495	611	608	689	480	415
AN	441	400	478	566	623	655	636	797	686	710	531	465
W	506	497	651	704	778	766	767	814	827	811	696	507
All	450	403	441	443	522	522	503	557	577	653	496	395
55 w/WSAs												
C	404	318	262	176	282	241	38	27	173	349	257	181
D	395	357	316	239	365	301	209	146	321	497	388	354
BN	436	337	291	340	397	417	360	320	552	616	436	395
AN	420	380	427	528	600	632	567	524	614	648	466	434
W	478	470	604	680	771	749	732	701	750	732	574	445
All	432	384	403	417	509	489	412	374	507	586	442	371
55 w/WSAs + 2025 ROD/ITP												
C	404	318	262	176	282	241	38	27	173	349	257	182
D	395	357	318	239	365	301	209	146	321	497	388	354
BN	436	337	291	340	397	417	360	320	552	616	436	395
AN	420	380	427	528	600	632	568	527	614	648	473	428
W	478	470	604	680	771	749	731	700	750	732	579	445
All	432	384	404	417	509	489	412	374	507	585	444	371

H1a7.4.3 Hell Hole Tunnel

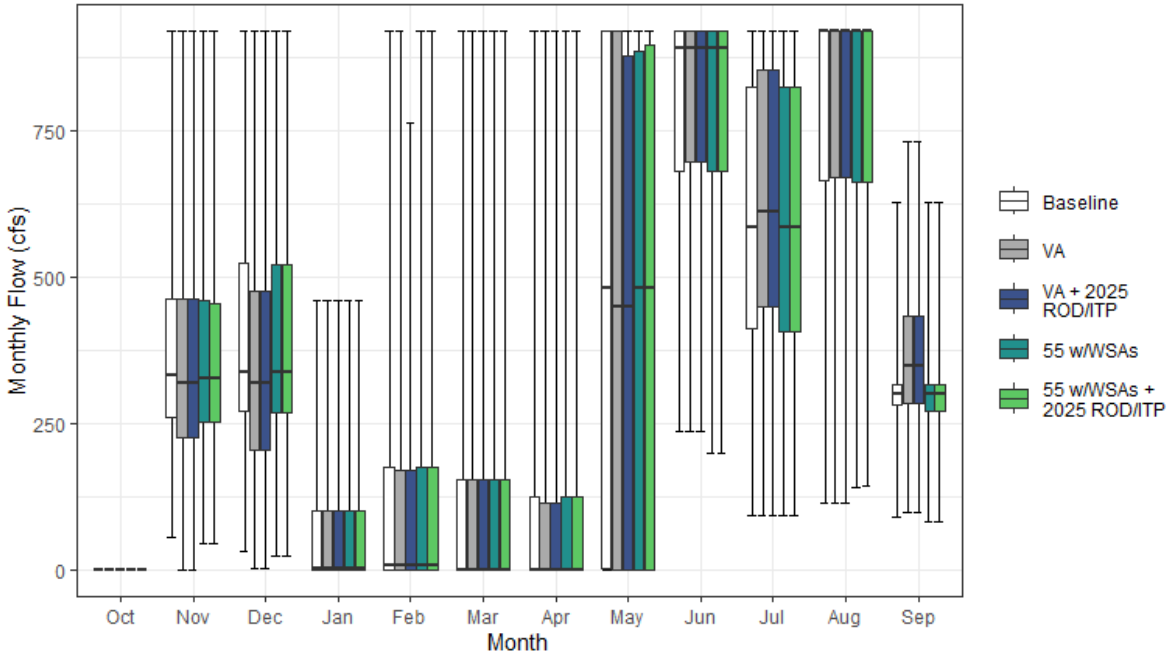

Figure H1a7-55. Hell Hole Tunnel Monthly Boxplot (cfs)

Table H1a7-109. Cumulative Distribution of Monthly Flow (cfs) — Hell Hole Tunnel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	55	32	0	0	0	0	0	237	93	114	90	48
10%	0	199	217	0	0	0	0	0	401	290	281	216	117
25%	0	260	270	0	0	0	0	1	680	411	664	280	167
50%	0	332	337	1	6	0	0	480	892	584	920	300	245
75%	0	463	524	99	174	153	124	920	920	825	920	315	319
90%	0	676	878	245	297	388	486	920	920	884	920	396	375
100%	0	920	920	460	920	920	920	920	920	920	920	627	511
Mean	0	386	432	68	104	105	121	466	774	600	764	300	250
VA													
0%	0	0	2	0	0	0	0	0	237	93	114	97	51
10%	0	149	155	0	0	0	0	0	401	319	318	250	112
25%	0	226	204	0	0	0	0	0	696	449	670	284	169
50%	0	319	319	1	6	0	0	450	892	610	920	349	256
75%	0	463	475	99	169	153	113	920	920	854	920	434	325
90%	0	640	854	245	297	388	486	920	920	890	920	468	376
100%	0	920	920	460	920	920	920	920	920	920	920	732	506
Mean	0	368	382	67	103	104	121	466	779	629	764	354	251
VA + 2025 ROD/ITP													
0%	0	0	2	0	0	0	0	0	237	93	114	97	51
10%	0	149	155	0	0	0	0	0	401	319	318	250	112
25%	0	226	204	0	0	0	0	0	696	449	671	284	169
50%	0	319	319	1	6	0	0	450	892	610	920	349	257
75%	0	463	475	99	169	153	113	879	920	854	920	434	323
90%	0	639	821	245	297	388	486	920	920	890	920	468	375
100%	0	920	920	460	764	920	920	920	920	920	920	732	498
Mean	0	367	380	67	102	104	121	461	779	629	764	354	250
55 w/WSAs													
0%	0	44	24	0	0	0	0	0	198	93	141	81	47
10%	0	189	216	0	0	0	0	0	399	290	281	176	116
25%	0	253	268	0	0	0	0	0	680	406	663	270	167
50%	0	327	337	1	6	0	0	480	890	584	920	300	245
75%	0	459	520	99	174	153	124	885	920	825	920	315	317
90%	0	666	904	245	297	388	486	920	920	884	920	396	376
100%	0	920	920	460	920	920	920	920	920	920	920	627	506
Mean	0	379	429	68	104	104	121	467	772	599	764	295	249
55 w/WSAs + 2025 ROD/ITP													
0%	0	44	24	0	0	0	0	0	198	93	142	81	47
10%	0	189	216	0	0	0	0	0	399	290	281	176	116
25%	0	253	268	0	0	0	0	0	680	406	663	270	167
50%	0	327	337	1	6	0	0	480	891	584	920	300	245
75%	0	454	520	99	174	153	124	896	920	825	920	315	318
90%	0	666	903	245	297	388	486	920	920	884	920	396	375
100%	0	920	920	460	920	920	920	920	920	920	920	627	507
Mean	0	379	429	68	104	105	121	469	772	599	764	295	249

Table H1a7-110. Water Year Average of Monthly Flows (cfs) — Hell Hole Tunnel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	0	290	314	2	0	0	0	0	471	290	331	270
D	0	382	328	27	24	7	15	185	702	466	689	306
BN	0	365	367	48	67	34	52	442	822	618	872	312
AN	0	372	424	72	167	91	112	715	881	672	920	265
W	0	458	614	144	217	282	311	835	914	824	920	317
All	0	386	432	68	104	105	121	466	774	600	764	300
VA												
C	0	264	269	2	0	0	0	0	471	290	335	268
D	0	381	275	27	24	7	15	185	713	501	692	369
BN	0	347	302	47	66	34	52	438	838	692	868	456
AN	0	358	377	72	163	91	112	720	887	729	916	410
W	0	430	573	142	215	281	310	837	909	824	920	300
All	0	368	382	67	103	104	121	466	779	629	764	354
VA + 2025 ROD/ITP												
C	0	264	269	2	0	0	0	0	471	290	335	268
D	0	381	275	27	24	7	15	185	713	501	692	369
BN	0	347	302	47	66	34	52	438	838	692	868	456
AN	0	358	368	72	163	91	112	704	886	729	916	410
W	0	428	570	142	210	281	310	828	910	824	920	300
All	0	367	380	67	102	104	121	461	779	629	764	354
55 w/WSAs												
C	0	280	308	2	0	0	0	22	467	286	336	262
D	0	376	323	27	24	7	15	185	701	466	689	300
BN	0	361	366	48	67	34	52	449	822	617	867	311
AN	0	362	419	72	167	91	112	698	882	672	920	259
W	0	452	615	144	217	280	311	831	912	824	920	314
All	0	379	429	68	104	104	121	467	772	599	764	295
55 w/WSAs + 2025 ROD/ITP												
C	0	281	307	2	1	0	0	22	467	286	336	262
D	0	376	323	27	24	7	15	185	701	466	689	300
BN	0	361	365	48	67	34	52	449	821	617	867	311
AN	0	362	419	72	167	91	112	712	882	672	920	259
W	0	451	615	144	217	282	311	831	912	824	920	314
All	0	379	429	68	104	105	121	469	772	599	764	295

H1a7.4.4 Jenkinson Lake Camino Conduit

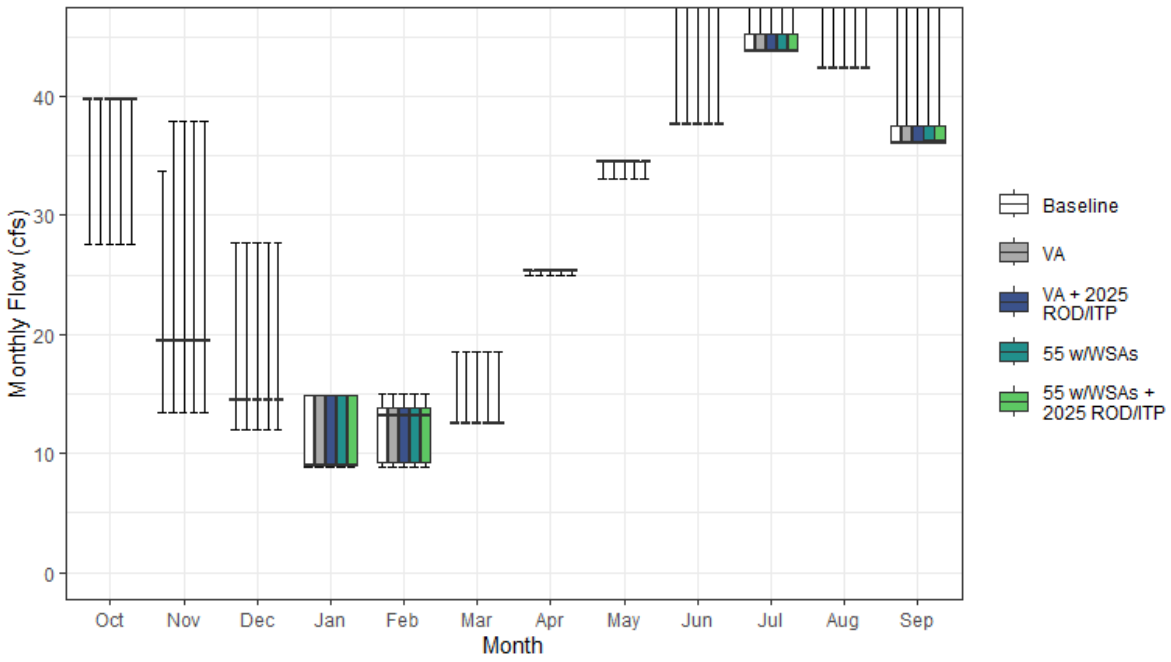

Figure H1a7-56. Jenkinson Lake Camino Conduit Monthly Boxplot (cfs)

Table H1a7-111. Cumulative Distribution of Monthly Flow (cfs) — Jenkinson Lake Camino Conduit

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	28	13	12	9	9	13	25	33	38	44	42	36	18
10%	38	18	14	9	9	13	25	35	38	44	42	36	20
25%	40	19	14	9	9	13	25	35	38	44	42	36	20
50%	40	19	14	9	13	13	25	35	38	44	42	36	20
75%	40	19	14	15	14	13	25	35	38	45	42	38	21
90%	40	19	28	15	14	13	25	35	38	61	42	45	22
100%	40	34	28	15	15	19	25	35	51	67	67	57	24
Mean	39	19	16	11	12	13	25	35	38	48	44	39	20
VA													
0%	28	13	12	9	9	13	25	33	38	44	42	36	18
10%	38	18	14	9	9	13	25	35	38	44	42	36	20
25%	40	19	14	9	9	13	25	35	38	44	42	36	20
50%	40	19	14	9	13	13	25	35	38	44	42	36	20
75%	40	19	14	15	14	13	25	35	38	45	42	38	21
90%	40	19	28	15	14	13	25	35	38	61	42	45	22
100%	40	38	28	15	15	19	25	35	51	67	67	57	24
Mean	39	19	16	11	12	13	25	35	38	48	44	39	20
VA + 2025 ROD/ITP													
0%	28	13	12	9	9	13	25	33	38	44	42	36	18
10%	38	18	14	9	9	13	25	35	38	44	42	36	20
25%	40	19	14	9	9	13	25	35	38	44	42	36	20
50%	40	19	14	9	13	13	25	35	38	44	42	36	20
75%	40	19	14	15	14	13	25	35	38	45	42	38	21
90%	40	19	28	15	14	13	25	35	38	61	42	45	22
100%	40	38	28	15	15	19	25	35	51	67	67	57	24
Mean	39	19	16	11	12	13	25	35	38	48	44	39	20
55 w/WSAs													
0%	28	13	12	9	9	13	25	33	38	44	42	36	18
10%	38	18	14	9	9	13	25	35	38	44	42	36	20
25%	40	19	14	9	9	13	25	35	38	44	42	36	20
50%	40	19	14	9	13	13	25	35	38	44	42	36	20
75%	40	19	14	15	14	13	25	35	38	45	42	38	21
90%	40	19	28	15	14	13	25	35	38	61	42	45	22
100%	40	38	28	15	15	19	25	35	51	67	67	57	24
Mean	39	19	16	11	12	13	25	35	38	48	44	39	20
55 w/WSAs + 2025 ROD/ITP													
0%	28	13	12	9	9	13	25	33	38	44	42	36	18
10%	38	18	14	9	9	13	25	35	38	44	42	36	20
25%	40	19	14	9	9	13	25	35	38	44	42	36	20
50%	40	19	14	9	13	13	25	35	38	44	42	36	20
75%	40	19	14	15	14	13	25	35	38	45	42	38	21
90%	40	19	28	15	14	13	25	35	38	61	42	45	22
100%	40	38	28	15	15	19	25	35	51	67	67	57	24
Mean	39	19	16	11	12	13	25	35	38	48	44	39	20

Table H1a7-112. Water Year Average of Monthly Flows (cfs) — Jenkinson Lake Camino Conduit

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	39	19	15	12	10	13	25	34	38	50	45	38
D	38	19	15	9	10	13	25	35	38	48	44	39
BN	39	19	16	10	11	13	25	35	38	47	44	40
AN	39	20	15	12	12	13	25	35	38	54	44	43
W	40	20	18	13	14	13	25	35	38	44	42	37
All	39	19	16	11	12	13	25	35	38	48	44	39
VA												
C	39	19	15	12	10	13	25	34	38	50	45	38
D	38	19	15	9	10	13	25	35	38	48	44	39
BN	39	19	16	10	11	13	25	35	38	47	44	40
AN	39	20	15	12	12	13	25	35	38	54	44	43
W	40	20	18	13	14	13	25	35	38	44	42	37
All	39	19	16	11	12	13	25	35	38	48	44	39
VA + 2025 ROD/ITP												
C	39	19	15	12	10	13	25	34	38	50	45	38
D	38	19	15	9	10	13	25	35	38	48	44	39
BN	39	19	16	10	11	13	25	35	38	47	44	40
AN	39	20	15	12	12	13	25	35	38	54	44	43
W	40	20	18	13	14	13	25	35	38	44	42	37
All	39	19	16	11	12	13	25	35	38	48	44	39
55 w/WSAs												
C	39	19	15	11	10	13	25	34	38	50	45	38
D	38	19	14	9	10	13	25	35	38	48	44	39
BN	39	19	16	10	11	13	25	35	38	47	44	40
AN	39	20	15	12	12	13	25	35	38	54	44	43
W	40	20	18	13	14	13	25	35	38	44	42	37
All	39	19	16	11	12	13	25	35	38	48	44	39
55 w/WSAs + 2025 ROD/ITP												
C	39	19	15	11	10	13	25	34	38	50	45	38
D	38	19	14	9	10	13	25	35	38	48	44	39
BN	39	19	16	10	11	13	25	35	38	47	44	40
AN	39	20	15	12	12	13	25	35	38	54	44	43
W	40	20	18	13	14	13	25	35	38	44	42	37
All	39	19	16	11	12	13	25	35	38	48	44	39

H1a7.4.5 Milton-Bowman Tunnel

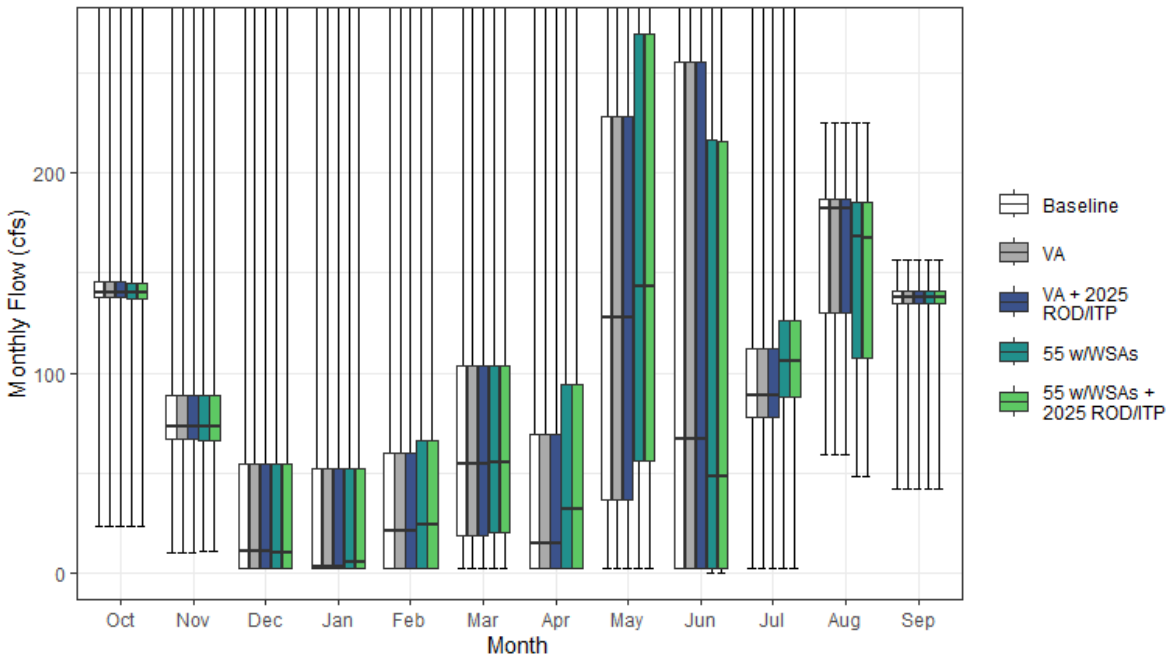

Figure H1a7-57. Milton-Bowman Tunnel Monthly Boxplot (cfs)

Table H1a7-113. Cumulative Distribution of Monthly Flow (cfs) — Milton-Bowman Tunnel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	23	10	2	2	2	2	2	2	2	2	59	42	25
10%	101	63	2	2	2	2	2	2	2	71	88	89	30
25%	137	67	2	2	2	18	2	36	2	78	130	135	43
50%	140	73	10	3	21	54	14	128	67	89	182	138	67
75%	146	89	54	52	60	104	69	228	256	112	187	141	97
90%	155	127	144	125	105	137	113	374	425	154	192	147	117
100%	369	425	425	425	425	425	419	425	425	326	225	156	209
Mean	139	91	47	45	50	69	46	152	144	104	161	129	71
VA													
0%	23	10	2	2	2	2	2	2	2	2	59	42	25
10%	101	63	2	2	2	2	2	2	2	71	88	89	30
25%	137	67	2	2	2	18	2	36	2	78	130	135	43
50%	140	73	10	3	21	54	14	128	67	89	182	138	67
75%	146	89	54	52	60	104	69	228	256	112	187	141	97
90%	155	127	144	125	105	137	113	374	425	154	192	147	117
100%	369	425	425	425	425	425	419	425	425	326	225	156	209
Mean	139	91	47	45	50	69	46	152	144	104	161	129	71
VA + 2025 ROD/ITP													
0%	23	10	2	2	2	2	2	2	2	2	59	42	25
10%	101	63	2	2	2	2	2	2	2	71	88	89	30
25%	137	67	2	2	2	18	2	36	2	78	130	135	43
50%	140	73	10	3	21	55	14	128	67	89	182	138	67
75%	146	89	54	52	60	104	69	228	256	112	187	141	97
90%	155	127	144	125	105	137	113	374	425	154	192	147	117
100%	369	425	425	425	425	425	420	425	425	326	225	156	209
Mean	139	91	47	45	50	69	46	152	144	104	161	129	71
55 w/WSAs													
0%	23	11	2	2	2	2	2	2	0	2	48	42	23
10%	88	62	2	2	2	2	2	13	2	78	78	77	31
25%	137	66	2	2	2	20	2	56	2	88	108	135	43
50%	140	73	10	5	24	55	31	144	48	106	168	138	67
75%	145	88	54	52	66	104	94	270	217	126	186	141	94
90%	155	127	144	125	105	140	165	380	308	152	191	147	116
100%	369	425	425	425	425	425	419	425	425	312	225	156	202
Mean	137	91	47	45	52	71	60	166	115	114	147	126	71
55 w/WSAs + 2025 ROD/ITP													
0%	23	11	2	2	2	2	2	2	0	2	48	42	23
10%	88	62	2	2	2	2	2	13	2	78	78	77	31
25%	137	66	2	2	2	20	2	56	2	88	108	135	43
50%	140	73	10	5	24	55	31	144	48	106	168	138	67
75%	145	88	54	52	66	104	94	270	216	126	186	141	94
90%	155	127	144	125	105	140	165	380	308	152	191	147	116
100%	369	425	425	425	425	425	419	425	425	312	225	156	202
Mean	137	91	47	45	52	71	60	165	115	114	147	126	71

Table H1a7-114. Water Year Average of Monthly Flows (cfs) — Milton-Bowman Tunnel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	134	70	8	3	14	25	7	13	8	81	105	98
D	130	79	18	10	12	37	29	71	38	85	142	124
BN	133	75	13	11	23	61	43	150	110	90	175	136
AN	127	106	57	57	48	87	55	230	166	93	184	141
W	157	116	106	109	114	115	79	255	306	144	187	141
All	139	91	47	45	50	69	46	152	144	104	161	129
VA												
C	134	70	8	3	14	25	7	13	8	81	105	98
D	130	79	18	10	12	37	29	71	38	85	142	124
BN	133	75	13	11	23	61	43	150	110	90	175	136
AN	127	106	57	57	48	87	55	230	166	93	184	141
W	157	116	106	109	114	115	79	255	306	144	187	141
All	139	91	47	45	50	69	46	152	144	104	161	129
VA + 2025 ROD/ITP												
C	134	70	8	3	14	25	7	13	8	81	105	98
D	130	79	18	10	12	37	29	71	38	85	142	124
BN	133	75	13	11	23	61	43	150	110	90	175	136
AN	127	106	57	57	48	87	55	230	166	93	184	141
W	157	116	106	109	114	115	79	255	306	144	187	141
All	139	91	47	45	50	69	46	152	144	104	161	129
55 w/WSAs												
C	126	69	10	5	14	23	7	32	7	87	86	89
D	127	78	18	9	14	38	37	83	32	99	126	119
BN	133	75	13	10	24	65	56	156	98	105	155	135
AN	127	105	57	58	48	88	77	223	133	109	168	141
W	155	116	106	109	117	119	101	281	237	146	182	140
All	137	91	47	45	52	71	60	166	115	114	147	126
55 w/WSAs + 2025 ROD/ITP												
C	126	69	10	5	14	23	7	32	7	87	86	89
D	127	78	18	9	14	38	37	83	32	99	126	119
BN	133	75	13	10	24	65	56	156	98	105	155	135
AN	127	105	57	58	48	88	77	222	134	109	168	141
W	155	116	106	109	117	119	101	281	236	146	182	140
All	137	91	47	45	52	71	60	165	115	114	147	126

H1a7.4.6 Toadtown Canal

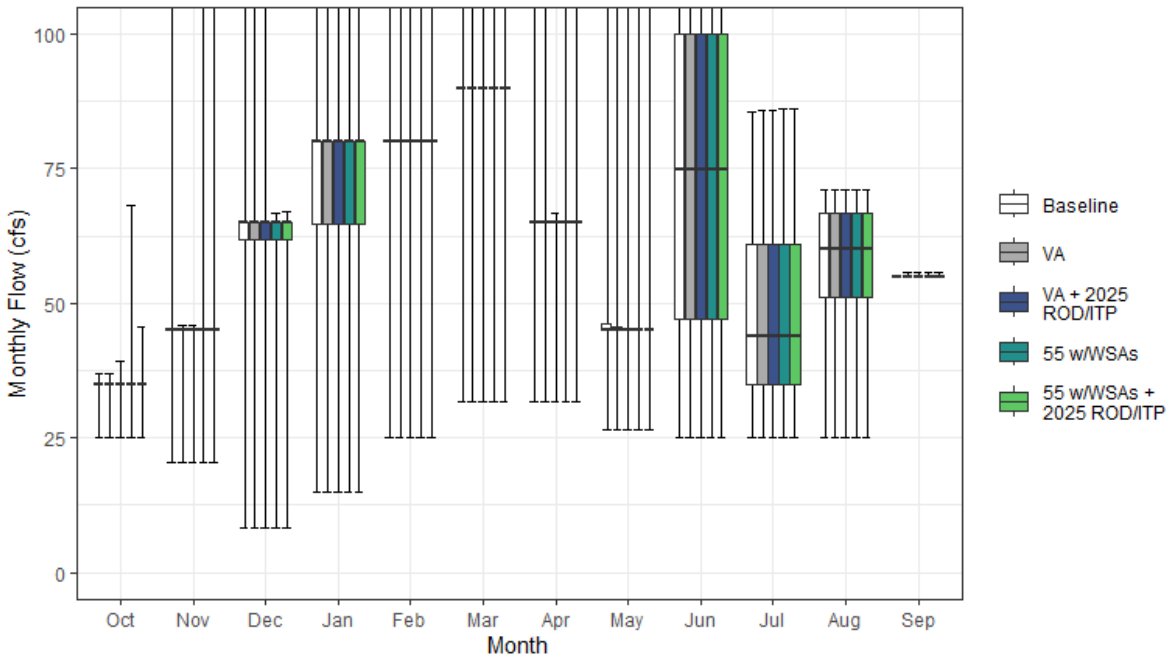

Figure H1a7-58. Toadtown Canal Monthly Boxplot (cfs)

Table H1a7-115. Cumulative Distribution of Monthly Flow (cfs) — Toadtown Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	25	21	8	15	25	32	32	27	25	25	25	55	26
10%	35	33	33	31	77	90	65	45	35	28	45	55	36
25%	35	45	62	65	80	90	65	45	47	35	51	55	41
50%	35	45	65	80	80	90	65	45	75	44	60	55	44
75%	35	45	65	80	80	90	65	46	100	61	67	55	48
90%	35	45	65	80	81	91	67	91	102	84	70	55	51
100%	37	109	113	117	120	127	119	118	115	86	71	55	54
Mean	35	43	58	72	79	90	65	53	73	49	58	55	44
VA													
0%	25	21	8	15	25	32	32	26	25	25	25	55	26
10%	35	33	33	31	77	90	65	45	35	28	45	55	36
25%	35	45	62	65	80	90	65	45	47	35	51	55	41
50%	35	45	65	80	80	90	65	45	75	44	60	55	44
75%	35	45	65	80	80	90	65	46	100	61	67	55	48
90%	35	45	65	80	81	91	65	46	101	84	70	55	50
100%	37	46	113	117	120	127	119	109	114	86	71	56	55
Mean	35	43	59	72	79	89	65	48	72	50	58	55	44
VA + 2025 ROD/ITP													
0%	25	21	8	15	25	32	32	27	25	25	25	55	26
10%	35	33	33	31	77	90	65	45	35	28	45	55	36
25%	35	45	62	65	80	90	65	45	47	35	51	55	41
50%	35	45	65	80	80	90	65	45	75	44	60	55	44
75%	35	45	65	80	80	90	65	45	100	61	67	55	48
90%	35	45	65	80	81	91	65	47	101	84	70	55	49
100%	39	46	113	117	120	127	67	110	115	86	71	56	55
Mean	35	43	58	72	79	90	64	48	72	50	58	55	44
55 w/WSAs													
0%	25	21	8	15	25	32	32	27	25	25	25	55	26
10%	35	33	33	31	77	90	65	45	35	28	45	55	36
25%	35	45	62	65	80	90	65	45	47	35	51	55	41
50%	35	45	65	80	80	90	65	45	75	44	60	55	44
75%	35	45	65	80	80	90	65	45	100	61	67	55	47
90%	35	48	65	80	81	91	65	46	100	84	70	55	49
100%	68	109	67	117	120	127	119	119	118	86	71	56	54
Mean	35	46	58	70	78	90	65	45	72	50	58	55	43
55 w/WSAs + 2025 ROD/ITP													
0%	25	21	8	15	25	32	32	27	25	25	25	55	26
10%	35	33	33	31	77	90	65	45	35	28	45	55	36
25%	35	45	62	65	80	90	65	45	47	35	51	55	41
50%	35	45	65	80	80	90	65	45	75	44	60	55	44
75%	35	45	65	80	80	90	65	45	100	61	67	55	47
90%	35	48	65	80	81	91	65	45	100	84	70	55	49
100%	45	109	67	117	120	127	119	119	118	86	71	56	58
Mean	35	46	58	70	78	90	65	45	72	50	58	55	43

Table H1a7-116. Water Year Average of Monthly Flows (cfs) — Toadtown Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	34	39	44	51	69	80	60	44	42	31	43	55
D	34	43	58	62	76	90	65	60	55	37	54	55
BN	35	42	54	73	78	90	65	65	71	43	58	55
AN	34	43	63	76	83	90	66	45	82	50	61	55
W	35	47	66	87	87	94	69	49	99	72	67	55
All	35	43	58	72	79	90	65	53	73	49	58	55
VA												
C	34	39	44	51	69	80	60	41	42	31	43	55
D	34	43	58	62	76	89	65	48	55	37	54	55
BN	35	42	54	73	78	90	65	52	72	43	58	55
AN	34	43	63	76	83	94	65	45	81	50	61	55
W	35	45	68	87	85	92	67	49	99	72	67	55
All	35	43	59	72	79	89	65	48	72	50	58	55
VA + 2025 ROD/ITP												
C	34	39	44	51	69	80	60	42	42	31	43	55
D	34	43	58	62	76	89	65	49	55	37	54	55
BN	35	42	54	73	78	90	65	52	72	43	58	55
AN	34	43	63	76	83	90	65	45	81	50	61	55
W	35	45	66	87	87	94	65	49	99	72	67	55
All	35	43	58	72	79	90	64	48	72	50	58	55
55 w/WSAs												
C	35	39	44	51	69	80	60	42	42	31	43	55
D	35	51	58	62	76	90	65	45	55	37	54	55
BN	35	43	54	73	77	90	65	45	70	43	58	55
AN	34	50	63	76	80	90	65	45	81	50	61	55
W	36	48	65	82	83	94	67	48	97	72	67	55
All	35	46	58	70	78	90	65	45	72	50	58	55
55 w/WSAs + 2025 ROD/ITP												
C	35	40	44	51	69	80	60	43	42	31	43	55
D	35	52	58	62	76	90	65	45	55	37	54	55
BN	35	43	54	73	78	90	65	45	70	43	58	55
AN	34	50	63	75	80	93	65	45	81	50	61	55
W	35	47	65	83	83	94	67	48	97	72	67	55
All	35	46	58	70	78	90	65	45	72	50	58	55

H1a7.4.7 Slate Creek Tunnel

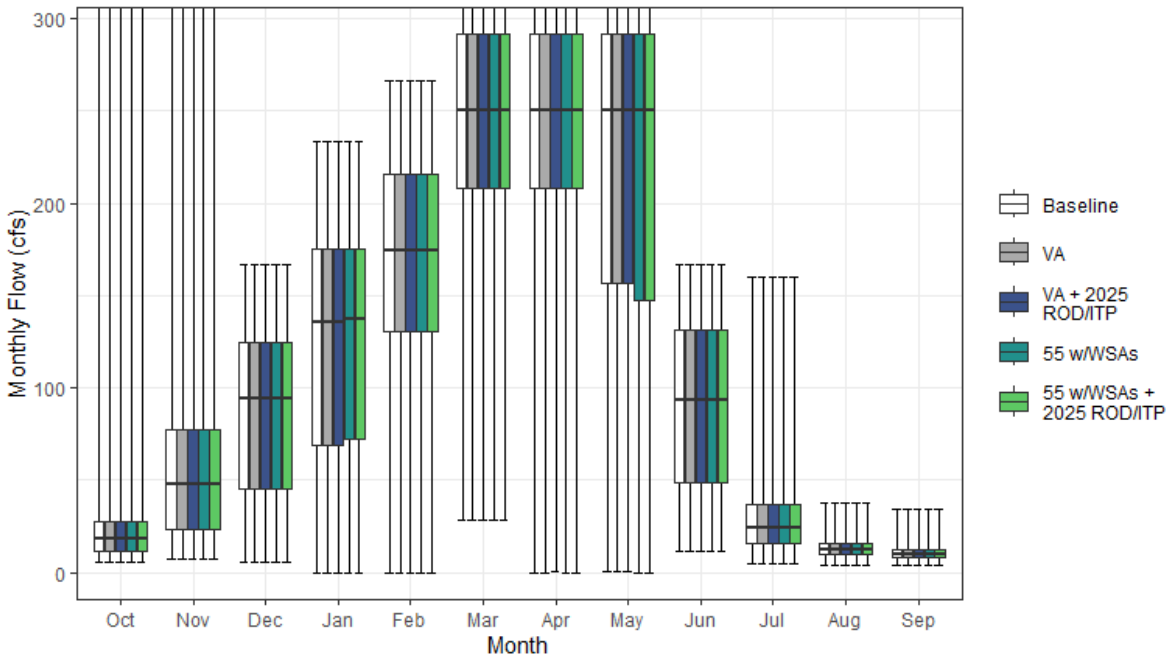

Figure H1a7-59. Slate Creek Tunnel Monthly Boxplot (cfs)

Table H1a7-117. Cumulative Distribution of Monthly Flow (cfs) — Slate Creek Tunnel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	5	8	6	0	0	29	0	1	12	5	4	4	13
10%	8	15	28	43	71	139	148	81	27	13	8	7	50
25%	11	24	46	69	131	208	208	156	48	16	10	8	65
50%	18	48	94	136	175	250	250	250	93	24	12	10	78
75%	28	77	125	175	216	292	292	292	131	37	15	13	96
90%	44	184	146	204	233	292	292	292	146	57	20	14	108
100%	437	470	167	233	267	333	333	333	167	160	38	34	127
Mean	27	78	88	125	168	236	234	215	91	32	13	11	79
VA													
0%	5	8	6	0	0	29	0	1	12	5	4	4	13
10%	8	15	28	43	71	139	149	81	27	13	8	7	50
25%	11	24	46	69	131	208	208	156	48	16	10	8	65
50%	19	48	94	136	175	250	250	250	93	24	12	10	78
75%	28	77	125	175	216	292	292	292	131	37	15	13	96
90%	44	184	146	204	233	292	292	292	146	57	20	14	108
100%	437	470	167	233	267	333	333	333	167	160	38	34	134
Mean	27	78	88	125	168	236	237	215	91	32	13	11	79
VA + 2025 ROD/ITP													
0%	5	8	6	0	0	29	0	1	12	5	4	4	13
10%	8	15	28	43	71	139	149	81	27	13	8	7	50
25%	11	24	46	69	131	208	208	156	48	16	10	8	65
50%	19	48	94	136	175	250	250	250	93	24	12	10	77
75%	28	77	125	175	216	292	292	292	131	37	15	13	96
90%	44	184	146	204	233	292	292	292	146	57	20	14	108
100%	437	470	167	233	267	333	333	333	167	160	38	34	134
Mean	27	78	88	125	168	235	237	215	91	32	13	11	79
55 w/WSAs													
0%	5	8	6	0	0	29	0	0	12	5	4	4	13
10%	8	15	28	44	71	139	148	67	27	13	8	7	50
25%	11	24	46	72	131	208	208	148	48	16	10	8	65
50%	19	48	94	137	175	250	250	250	93	24	12	10	77
75%	28	77	125	175	216	292	292	292	131	37	15	13	95
90%	44	184	146	204	233	292	292	292	146	57	19	14	108
100%	437	470	167	233	267	333	333	333	167	160	38	34	127
Mean	27	78	88	127	168	236	233	210	91	32	13	11	79
55 w/WSAs + 2025 ROD/ITP													
0%	5	8	6	0	0	29	0	0	12	5	4	4	13
10%	8	15	28	44	71	139	149	67	27	13	8	7	50
25%	11	24	46	72	131	208	208	148	48	16	10	8	65
50%	19	48	94	137	175	250	250	250	93	24	12	10	77
75%	28	77	125	175	216	292	292	292	131	37	15	13	95
90%	44	184	146	204	233	292	292	292	146	57	20	14	108
100%	437	470	167	233	267	333	333	333	167	160	38	34	134
Mean	27	78	88	127	168	236	237	210	91	32	13	11	79

Table H1a7-118. Water Year Average of Monthly Flows (cfs) — Slate Creek Tunnel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	22	29	45	61	101	157	164	115	44	14	8	7
D	19	69	81	88	152	212	232	187	63	18	10	9
BN	19	49	68	130	167	235	259	226	93	26	12	9
AN	26	92	90	154	200	284	288	273	100	29	14	12
W	40	123	129	173	203	276	237	258	130	56	18	14
All	27	78	88	125	168	236	234	215	91	32	13	11
VA												
C	22	29	45	61	101	157	164	115	44	14	8	7
D	19	69	81	88	152	213	232	187	63	18	10	9
BN	19	49	68	130	167	235	259	226	93	26	12	9
AN	26	92	90	154	200	284	288	273	100	29	14	12
W	40	123	128	173	203	276	245	258	130	56	18	14
All	27	78	88	125	168	236	237	215	91	32	13	11
VA + 2025 ROD/ITP												
C	22	29	45	61	101	157	164	115	44	14	8	7
D	19	69	81	88	152	212	232	187	63	18	10	9
BN	19	49	68	130	167	235	259	226	93	26	12	9
AN	26	92	90	154	200	284	288	273	100	29	14	12
W	40	123	128	173	203	273	245	258	130	56	18	14
All	27	78	88	125	168	235	237	215	91	32	13	11
55 w/WSAs												
C	22	29	45	61	101	157	164	115	44	14	8	7
D	19	69	81	88	152	212	232	187	63	18	10	9
BN	19	49	68	130	167	235	259	226	93	26	12	9
AN	26	92	90	154	200	284	288	273	100	29	14	12
W	40	123	128	180	203	276	234	241	130	56	18	14
All	27	78	88	127	168	236	233	210	91	32	13	11
55 w/WSAs + 2025 ROD/ITP												
C	22	29	45	61	101	157	164	115	44	14	8	7
D	19	69	81	88	152	212	232	187	63	18	10	9
BN	19	49	68	130	167	235	259	226	93	26	12	9
AN	26	92	90	154	200	284	288	273	100	29	14	12
W	40	123	128	180	203	276	245	241	130	56	18	14
All	27	78	88	127	168	236	237	210	91	32	13	11

H1a7.4.8 South Canal

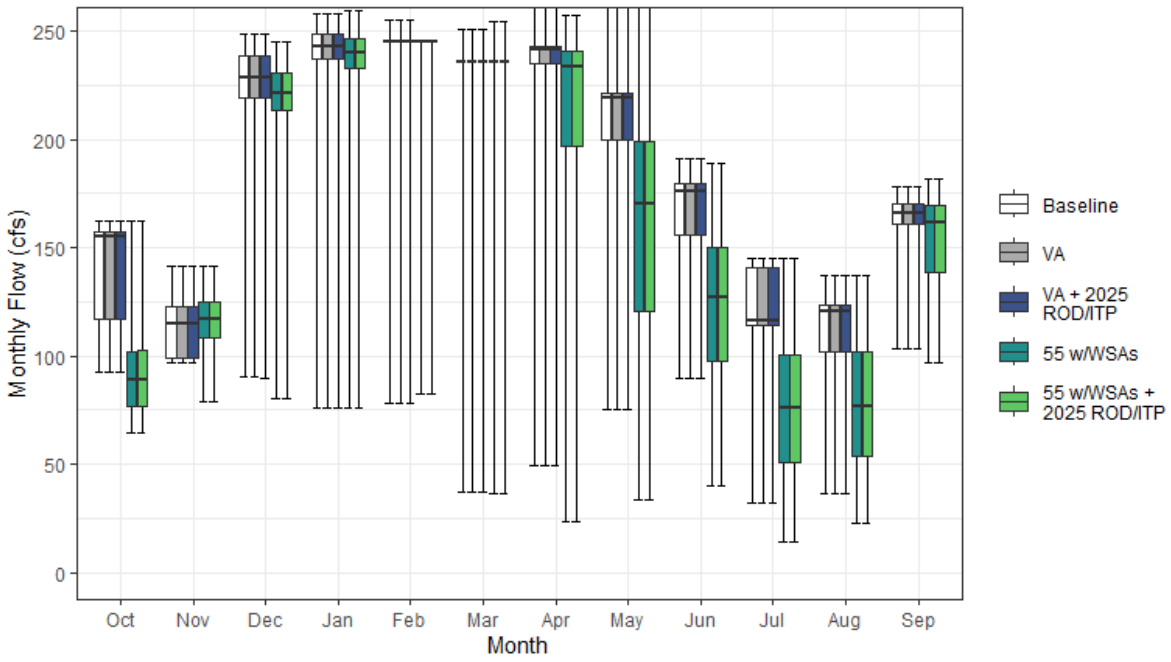

Figure H1a7-60. South Canal Monthly Boxplot (cfs)

Table H1a7-119. Cumulative Distribution of Monthly Flow (cfs) — South Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	93	97	90	76	78	37	49	75	90	32	37	104	54
10%	113	97	213	223	245	236	175	172	152	101	99	143	124
25%	117	99	219	237	245	236	235	200	156	114	102	161	131
50%	155	115	228	243	245	236	241	219	176	116	121	166	135
75%	157	123	239	249	245	236	243	222	179	141	124	170	137
90%	160	132	247	251	245	236	247	223	182	142	125	173	138
100%	162	141	249	258	255	251	269	277	191	145	137	178	140
Mean	142	113	225	234	240	230	226	210	168	122	114	162	132
VA													
0%	93	97	90	76	78	37	49	75	90	32	37	104	54
10%	113	97	213	224	245	236	175	172	152	101	99	143	124
25%	117	99	219	237	245	236	235	200	156	114	102	161	131
50%	155	115	228	243	245	236	241	219	176	116	121	166	135
75%	157	123	239	249	245	236	243	222	179	141	124	170	137
90%	160	132	247	251	245	236	247	223	182	142	125	173	138
100%	162	141	249	258	255	251	269	277	191	145	137	178	140
Mean	142	113	225	234	240	230	226	210	168	122	114	162	132
VA + 2025 ROD/ITP													
0%	93	97	90	76	78	37	49	75	90	32	37	104	54
10%	113	97	213	223	245	236	175	172	152	101	99	143	124
25%	117	99	219	237	245	236	235	200	156	114	102	161	131
50%	155	115	228	243	245	236	241	219	176	116	121	166	135
75%	157	123	239	249	245	236	243	222	179	141	124	170	137
90%	160	132	247	251	245	236	247	223	182	142	125	173	138
100%	162	141	249	258	255	251	269	277	191	145	137	178	140
Mean	142	113	225	234	240	230	226	210	168	122	114	162	132
55 w/WSAs													
0%	65	79	80	76	82	36	24	34	40	14	23	97	43
10%	70	99	206	205	245	229	74	83	84	35	42	126	95
25%	77	109	213	233	245	236	197	121	97	51	54	139	107
50%	89	117	221	240	245	236	233	170	127	76	76	161	118
75%	102	125	230	246	245	236	241	199	150	100	102	170	128
90%	156	131	238	251	245	236	245	221	176	117	123	174	132
100%	162	142	245	259	245	254	257	276	189	145	137	181	138
Mean	98	116	218	231	238	227	200	158	124	77	78	153	115
55 w/WSAs + 2025 ROD/ITP													
0%	65	79	80	76	82	36	24	34	40	14	23	97	43
10%	70	99	206	205	245	229	74	83	84	35	42	126	95
25%	77	109	213	233	245	236	197	121	97	51	54	139	107
50%	89	117	221	240	245	236	233	170	127	76	76	161	118
75%	102	125	230	246	245	236	241	199	150	100	102	170	128
90%	156	131	238	251	245	236	245	221	176	117	123	174	132
100%	162	142	245	259	245	254	257	276	189	145	137	181	138
Mean	98	116	218	231	238	227	200	158	124	77	78	153	115

Table H1a7-120. Water Year Average of Monthly Flows (cfs) — South Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	143	117	217	209	218	204	164	168	154	102	101	156
D	140	111	225	234	244	233	231	202	169	123	113	163
BN	139	115	232	239	243	236	239	219	172	125	117	165
AN	135	113	224	241	245	236	241	217	168	132	111	158
W	146	113	224	241	245	236	242	228	171	124	120	164
All	142	113	225	234	240	230	226	210	168	122	114	162
VA												
C	143	117	217	209	218	204	164	168	154	102	101	156
D	140	111	225	234	244	233	231	202	169	123	113	163
BN	139	115	232	239	243	236	239	219	172	125	117	165
AN	135	113	224	241	245	236	241	217	168	132	111	158
W	146	113	224	241	245	236	242	228	171	124	120	164
All	142	113	225	234	240	230	226	210	168	122	114	162
VA + 2025 ROD/ITP												
C	143	117	217	209	218	204	164	168	154	102	101	156
D	140	111	225	234	244	233	231	202	169	123	113	163
BN	139	115	232	239	243	236	239	219	172	125	117	165
AN	135	113	224	241	245	236	241	217	168	132	111	158
W	146	113	224	241	245	236	242	228	171	124	120	164
All	142	113	225	234	240	230	226	210	168	122	114	162
55 w/WSAs												
C	93	118	207	205	217	193	108	95	97	51	55	135
D	95	116	219	225	241	229	183	133	118	68	73	152
BN	110	114	223	240	237	236	218	165	124	78	80	159
AN	83	114	219	238	245	236	239	184	137	97	85	165
W	100	118	220	239	245	236	235	194	136	88	88	155
All	98	116	218	231	238	227	200	158	124	77	78	153
55 w/WSAs + 2025 ROD/ITP												
C	93	118	207	205	217	193	108	95	97	51	55	135
D	95	116	219	225	241	229	183	133	118	68	73	152
BN	110	114	223	240	237	236	218	165	124	78	80	159
AN	83	114	219	238	245	236	239	184	137	97	85	165
W	100	118	220	239	245	236	235	194	136	88	88	155
All	98	116	218	231	238	227	200	158	124	77	78	153

H1a7.4.9 South Yuba Canal

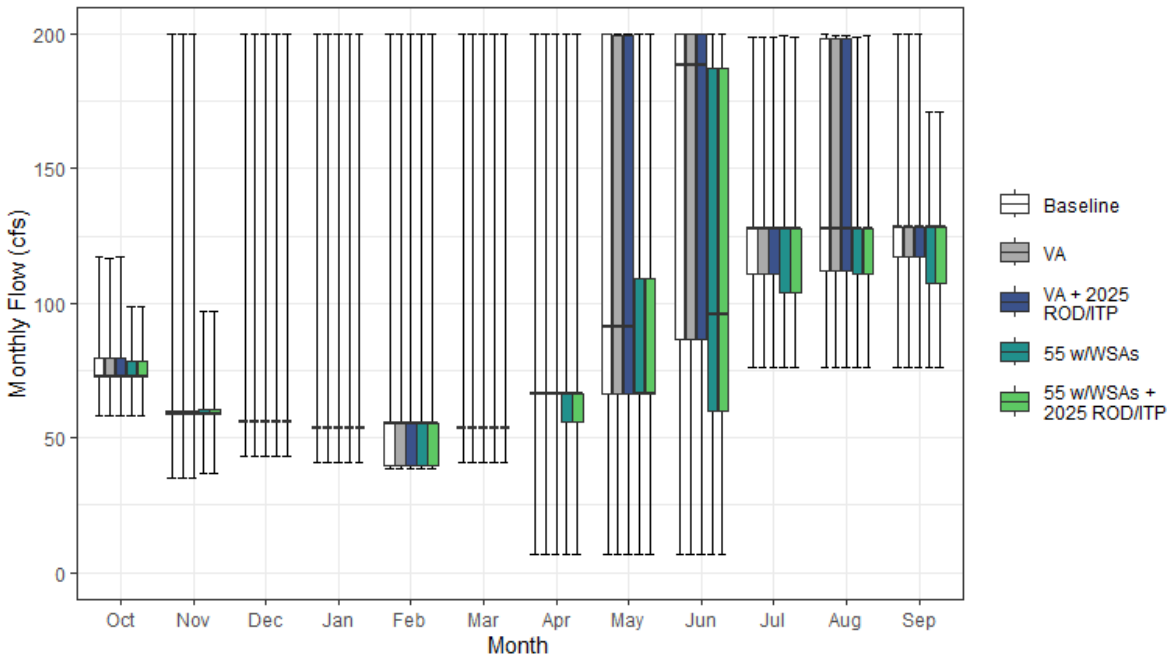

Figure H1a7-61. South Yuba Canal Monthly Boxplot (cfs)

Table H1a7-121. Cumulative Distribution of Monthly Flow (cfs) — South Yuba Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	58	35	43	41	39	41	7	7	7	76	76	76	46
10%	73	59	43	41	40	41	7	23	51	90	76	76	55
25%	73	59	56	54	40	54	66	66	87	111	112	117	58
50%	73	59	56	54	55	54	66	91	188	128	128	128	64
75%	79	60	56	54	55	54	66	200	200	128	198	128	72
90%	88	74	86	66	60	55	137	200	200	198	199	128	85
100%	117	200	200	200	200	200	200	200	200	199	200	200	105
Mean	76	62	67	59	59	61	70	115	144	130	141	124	67
VA													
0%	58	35	43	41	39	41	7	7	7	76	76	76	46
10%	73	59	43	41	40	41	7	23	51	90	76	76	55
25%	73	59	56	54	40	54	66	66	87	111	112	117	58
50%	73	59	56	54	55	54	66	92	188	128	128	128	64
75%	79	60	56	54	55	54	66	200	200	128	198	128	72
90%	88	74	86	66	60	55	137	200	200	198	199	128	85
100%	117	200	200	200	200	200	200	200	200	199	199	200	105
Mean	76	62	67	59	59	61	70	115	144	130	141	124	67
VA + 2025 ROD/ITP													
0%	58	35	43	41	39	41	7	7	7	76	76	76	46
10%	73	59	43	41	40	41	7	23	51	90	76	76	55
25%	73	59	56	54	40	54	66	66	87	111	112	117	58
50%	73	59	56	54	55	54	66	92	188	128	128	128	64
75%	79	60	56	54	55	54	66	200	200	128	198	128	72
90%	88	74	86	66	60	55	137	200	200	198	199	128	85
100%	117	200	200	200	200	200	200	200	200	199	200	200	105
Mean	76	62	67	59	59	61	70	115	144	129	141	124	67
55 w/WSAs													
0%	58	37	43	41	39	41	7	7	7	76	76	76	42
10%	73	59	43	41	40	41	7	16	7	76	76	76	48
25%	73	59	56	54	40	54	56	66	60	104	111	107	52
50%	73	59	56	54	55	54	66	67	96	128	128	128	58
75%	79	60	56	54	55	54	66	109	187	128	128	128	65
90%	87	74	82	66	57	55	67	166	200	130	192	128	74
100%	99	97	200	200	200	200	200	200	200	200	199	171	103
Mean	76	62	64	57	59	60	64	83	107	120	128	118	60
55 w/WSAs + 2025 ROD/ITP													
0%	58	37	43	41	39	41	7	7	7	76	76	76	42
10%	73	59	43	41	40	41	7	16	7	76	76	76	48
25%	73	59	56	54	40	54	56	66	60	104	111	107	52
50%	73	59	56	54	55	54	66	67	96	128	128	128	58
75%	79	60	56	54	55	54	66	109	187	128	128	128	65
90%	87	74	82	66	57	55	67	166	200	129	188	128	74
100%	99	97	200	200	200	200	200	200	200	199	199	171	99
Mean	76	62	64	57	59	60	64	83	107	120	127	118	60

Table H1a7-122. Water Year Average of Monthly Flows (cfs) — South Yuba Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	75	61	61	61	48	52	49	137	133	167	179	153
D	75	64	58	54	46	49	40	91	122	140	162	128
BN	81	63	62	49	50	52	67	82	136	122	142	127
AN	74	68	69	51	51	53	77	111	150	110	129	110
W	76	59	79	71	84	83	104	145	168	115	109	108
All	76	62	67	59	59	61	70	115	144	130	141	124
VA												
C	75	61	61	61	48	52	49	137	133	167	179	153
D	75	64	58	54	46	49	40	91	122	140	162	128
BN	81	63	62	49	50	52	67	82	136	122	141	127
AN	74	68	69	51	51	53	77	106	150	108	129	110
W	76	59	79	71	84	83	104	144	168	115	109	108
All	76	62	67	59	59	61	70	115	144	130	141	124
VA + 2025 ROD/ITP												
C	75	61	61	61	48	52	49	137	133	167	179	153
D	75	64	58	54	46	49	40	91	122	140	162	128
BN	81	63	62	49	50	52	67	82	136	122	141	127
AN	74	68	69	51	51	53	77	107	150	108	130	110
W	76	59	79	71	84	83	104	144	168	115	109	108
All	76	62	67	59	59	61	70	115	144	129	141	124
55 w/WSAs												
C	75	61	60	61	48	49	35	95	94	142	137	120
D	75	64	58	54	46	49	39	70	76	123	133	124
BN	79	64	62	49	50	52	65	59	103	127	131	127
AN	74	60	69	51	51	53	66	69	100	106	128	110
W	76	60	70	66	84	83	98	107	143	107	116	111
All	76	62	64	57	59	60	64	83	107	120	128	118
55 w/WSAs + 2025 ROD/ITP												
C	75	61	60	61	48	49	35	95	94	142	137	120
D	75	64	58	54	46	49	39	70	76	123	133	124
BN	79	64	62	49	50	52	65	59	103	127	131	127
AN	74	60	69	51	51	53	66	69	100	106	128	110
W	76	60	70	66	84	83	98	107	143	108	113	111
All	76	62	64	57	59	60	64	83	107	120	127	118

H1a7.4.10 Chalk Bluff Canal

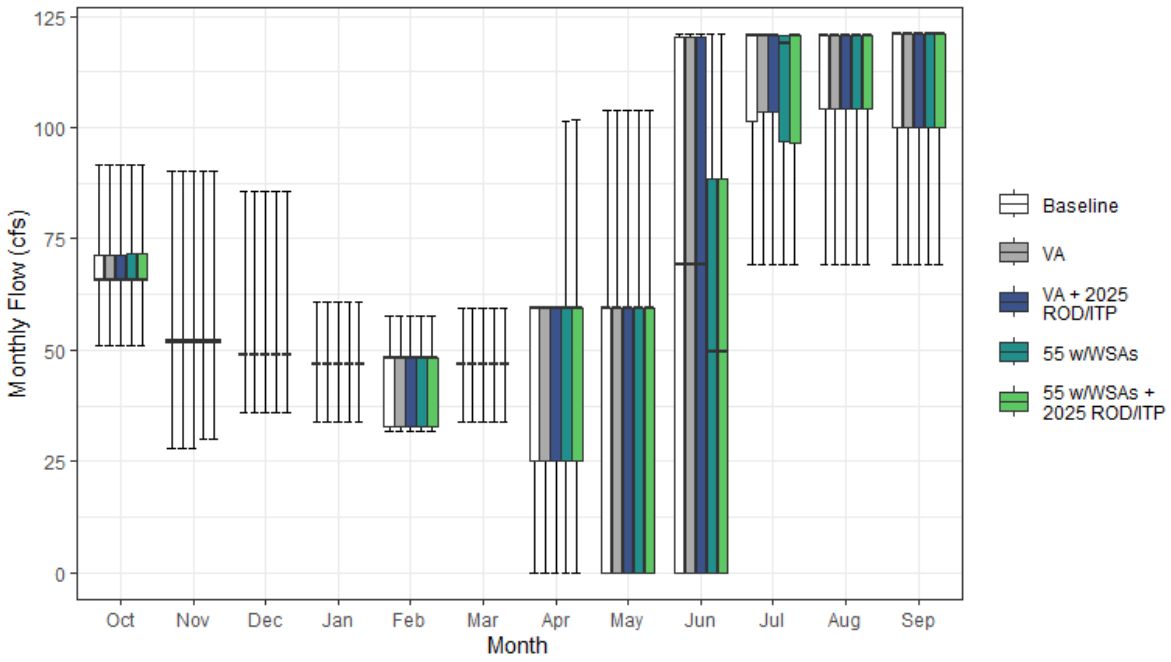

Figure H1a7-62. Chalk Bluff Canal Monthly Boxplot (cfs)

Table H1a7-123. Cumulative Distribution of Monthly Flow (cfs) — Chalk Bluff Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	51	28	36	34	32	34	0	0	0	69	69	69	34
10%	66	52	36	34	33	34	0	0	0	83	69	69	38
25%	66	52	49	47	33	47	25	0	0	101	104	100	42
50%	66	52	49	47	48	47	59	59	69	121	121	121	48
75%	71	53	49	47	48	47	59	59	120	121	121	121	53
90%	80	66	66	59	48	47	59	73	121	121	121	121	56
100%	92	90	85	61	58	59	59	104	121	121	121	121	60
Mean	69	54	51	46	43	44	44	42	64	109	107	109	47
VA													
0%	51	28	36	34	32	34	0	0	0	69	69	69	34
10%	66	52	36	34	33	34	0	0	0	83	69	69	38
25%	66	52	49	47	33	47	25	0	0	103	104	100	42
50%	66	52	49	47	48	47	59	59	69	121	121	121	48
75%	71	52	49	47	48	47	59	59	120	121	121	121	53
90%	80	66	66	59	48	47	59	73	121	121	121	121	56
100%	92	90	85	61	58	59	59	104	121	121	121	121	60
Mean	69	54	51	46	43	44	44	42	64	109	107	109	47
VA + 2025 ROD/ITP													
0%	51	28	36	34	32	34	0	0	0	69	69	69	34
10%	66	52	36	34	33	34	0	0	0	83	69	69	38
25%	66	52	49	47	33	47	25	0	0	103	104	100	42
50%	66	52	49	47	48	47	59	59	69	121	121	121	48
75%	71	52	49	47	48	47	59	59	120	121	121	121	53
90%	80	66	66	59	48	47	59	73	121	121	121	121	56
100%	92	90	85	61	58	59	59	104	121	121	121	121	60
Mean	69	54	51	46	43	44	44	42	64	109	107	109	47
55 w/WSAs													
0%	51	30	36	34	32	34	0	0	0	69	69	69	34
10%	66	52	36	34	33	34	0	0	0	69	69	69	37
25%	66	52	49	47	33	47	25	0	0	97	104	100	41
50%	66	52	49	47	48	47	59	59	50	119	121	121	45
75%	72	52	49	47	48	47	59	59	89	121	121	121	52
90%	80	67	66	59	48	47	59	59	121	121	121	121	54
100%	92	90	85	61	58	59	101	104	121	121	121	121	60
Mean	69	55	51	46	43	44	44	37	48	106	109	110	46
55 w/WSAs + 2025 ROD/ITP													
0%	51	30	36	34	32	34	0	0	0	69	69	69	34
10%	66	52	36	34	33	34	0	0	0	69	69	69	37
25%	66	52	49	47	33	47	25	0	0	97	104	100	41
50%	66	52	49	47	48	47	59	59	50	120	121	121	45
75%	72	52	49	47	48	47	59	59	89	121	121	121	52
90%	80	67	66	59	48	47	59	59	121	121	121	121	54
100%	92	90	85	61	58	59	102	104	121	121	121	121	60
Mean	69	55	51	46	43	44	44	37	48	107	109	110	46

Table H1a7-124. Water Year Average of Monthly Flows (cfs) — Chalk Bluff Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	68	54	53	53	40	41	10	0	3	108	109	106
D	68	57	51	47	39	42	31	18	35	113	117	117
BN	72	56	55	42	43	45	54	57	82	111	115	120
AN	67	53	50	44	44	46	59	65	89	103	102	103
W	69	52	48	46	47	47	59	63	95	107	95	101
All	69	54	51	46	43	44	44	42	64	109	107	109
VA												
C	68	54	53	53	40	41	10	0	3	108	109	106
D	68	57	51	47	39	42	31	18	35	113	117	117
BN	72	56	55	42	43	45	54	57	82	111	115	120
AN	67	53	50	44	44	46	59	65	89	101	102	103
W	69	52	48	46	47	47	59	63	95	108	95	101
All	69	54	51	46	43	44	44	42	64	109	107	109
VA + 2025 ROD/ITP												
C	68	54	53	53	40	41	10	0	3	108	109	106
D	68	57	51	47	39	42	31	18	35	113	117	117
BN	72	56	55	42	43	45	54	57	82	111	115	120
AN	67	53	50	44	44	46	59	65	89	101	102	103
W	69	52	48	46	47	47	59	63	95	108	95	101
All	69	54	51	46	43	44	44	42	64	109	107	109
55 w/WSAs												
C	68	54	53	53	40	41	9	0	0	108	109	106
D	68	57	51	47	39	42	31	14	24	113	117	117
BN	72	57	55	42	43	45	54	42	65	112	117	120
AN	67	53	50	44	44	46	59	57	59	99	104	103
W	69	52	48	46	47	47	61	61	77	100	100	104
All	69	55	51	46	43	44	44	37	48	106	109	110
55 w/WSAs + 2025 ROD/ITP												
C	68	54	53	53	40	41	9	0	0	108	109	106
D	68	57	51	47	39	42	31	14	24	113	117	117
BN	72	57	55	42	43	45	54	42	65	112	117	120
AN	67	53	50	44	44	46	59	57	59	99	104	103
W	69	52	48	46	47	47	61	61	77	101	99	104
All	69	55	51	46	43	44	44	37	48	107	109	110

H1a7.4.11 Clear Creek Tunnel

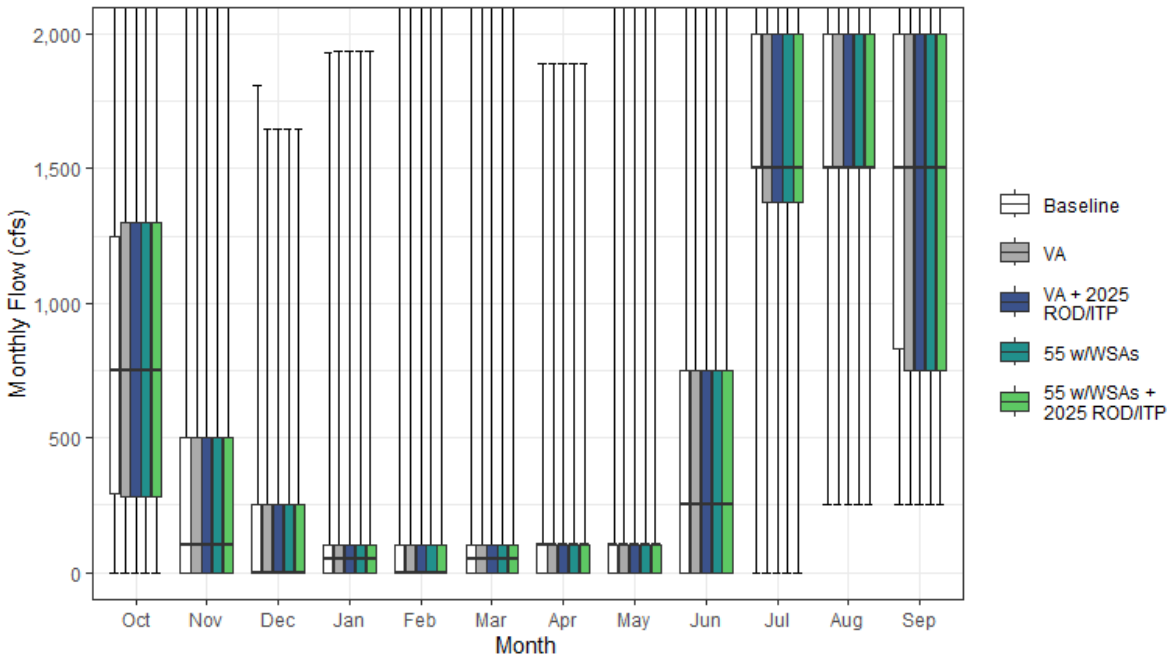

Figure H1a7-63. Clear Creek Tunnel Monthly Boxplot (cfs)

Table H1a7-125. Cumulative Distribution of Monthly Flow (cfs) — Clear Creek Tunnel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	0	0	0	0	0	0	0	0	0	250	250	128
10%	0	0	0	0	0	0	0	0	0	0	1,000	700	226
25%	295	0	0	0	0	0	0	0	0	1,500	1,500	832	315
50%	750	100	0	50	0	50	100	100	250	1,500	1,500	1,500	450
75%	1,250	500	250	100	100	100	100	100	750	2,000	2,000	2,000	566
90%	1,848	500	308	264	1,454	804	258	250	1,300	2,995	2,750	2,132	694
100%	3,200	3,200	1,807	1,932	3,200	3,199	1,889	3,200	3,200	3,200	3,200	3,200	1,050
Mean	848	248	160	152	331	238	157	178	471	1,583	1,717	1,419	455
VA													
0%	0	0	0	0	0	0	0	0	0	0	250	250	128
10%	0	0	0	0	0	0	0	0	0	0	1,000	700	226
25%	283	0	0	0	0	0	0	0	0	1,375	1,500	750	316
50%	750	100	0	50	0	50	100	100	250	1,500	1,500	1,500	441
75%	1,298	500	250	100	100	100	100	100	750	2,000	2,000	2,000	558
90%	1,826	500	308	339	1,129	930	258	250	1,250	3,200	2,657	2,117	697
100%	3,200	3,200	1,646	1,935	3,200	3,199	1,889	3,200	3,200	3,200	3,200	3,200	1,050
Mean	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417	455
VA + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	250	250	128
10%	0	0	0	0	0	0	0	0	0	0	1,000	700	226
25%	283	0	0	0	0	0	0	0	0	1,375	1,500	750	316
50%	750	100	0	50	0	50	100	100	250	1,500	1,500	1,500	441
75%	1,298	500	250	100	100	100	100	100	750	2,000	2,000	2,000	558
90%	1,826	500	308	339	1,129	930	258	250	1,250	3,200	2,657	2,117	697
100%	3,200	3,200	1,646	1,935	3,200	3,199	1,889	3,200	3,200	3,200	3,200	3,200	1,050
Mean	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417	455
55 w/WSAs													
0%	0	0	0	0	0	0	0	0	0	0	250	250	128
10%	0	0	0	0	0	0	0	0	0	0	1,000	700	226
25%	283	0	0	0	0	0	0	0	0	1,375	1,500	750	316
50%	750	100	0	50	0	50	100	100	250	1,500	1,500	1,500	441
75%	1,298	500	250	100	100	100	100	100	750	2,000	2,000	2,000	558
90%	1,826	500	308	339	1,129	930	258	250	1,250	3,200	2,657	2,117	697
100%	3,200	3,200	1,646	1,935	3,200	3,199	1,889	3,200	3,200	3,200	3,200	3,200	1,050
Mean	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417	455
55 w/WSAs + 2025 ROD/ITP													
0%	0	0	0	0	0	0	0	0	0	0	250	250	128
10%	0	0	0	0	0	0	0	0	0	0	1,000	700	226
25%	283	0	0	0	0	0	0	0	0	1,375	1,500	750	316
50%	750	100	0	50	0	50	100	100	250	1,500	1,500	1,500	441
75%	1,298	500	250	100	100	100	100	100	750	2,000	2,000	2,000	558
90%	1,826	500	308	339	1,129	930	258	250	1,250	3,200	2,657	2,117	697
100%	3,200	3,200	1,646	1,935	3,200	3,199	1,889	3,200	3,200	3,200	3,200	3,200	1,050
Mean	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417	455

Table H1a7-126. Water Year Average of Monthly Flows (cfs) — Clear Creek Tunnel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	631	162	124	216	711	260	136	213	762	2,324	1,552	885
D	778	295	155	143	685	264	86	127	693	1,691	2,053	1,520
BN	912	156	81	276	99	349	174	66	487	1,250	1,694	1,382
AN	851	250	276	178	25	50	244	52	148	1,336	1,625	1,424
W	972	318	187	37	138	213	174	319	270	1,419	1,610	1,651
All	848	248	160	152	331	238	157	178	471	1,583	1,717	1,419
VA												
C	608	168	121	194	713	243	126	204	776	2,422	1,499	908
D	758	294	143	147	705	255	86	127	716	1,691	2,049	1,462
BN	940	234	81	301	91	403	216	66	487	1,250	1,707	1,382
AN	851	371	238	178	25	50	240	52	86	1,336	1,625	1,424
W	972	311	187	39	41	254	171	319	245	1,370	1,599	1,675
All	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417
VA + 2025 ROD/ITP												
C	608	168	121	194	713	243	126	204	776	2,422	1,499	908
D	758	294	143	147	705	255	86	127	716	1,691	2,049	1,462
BN	940	234	81	301	91	403	216	66	487	1,250	1,707	1,382
AN	851	371	238	178	25	50	240	52	86	1,336	1,625	1,424
W	972	311	187	39	41	254	171	319	245	1,370	1,599	1,675
All	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417
55 w/WSAs												
C	608	168	121	194	713	243	126	204	776	2,422	1,499	908
D	758	294	143	147	705	255	86	127	716	1,691	2,049	1,462
BN	940	234	81	301	91	403	216	66	487	1,250	1,707	1,382
AN	851	371	238	178	25	50	240	52	86	1,336	1,625	1,424
W	972	311	187	39	41	254	171	319	245	1,370	1,599	1,675
All	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417
55 w/WSAs + 2025 ROD/ITP												
C	608	168	121	194	713	243	126	204	776	2,422	1,499	908
D	758	294	143	147	705	255	86	127	716	1,691	2,049	1,462
BN	940	234	81	301	91	403	216	66	487	1,250	1,707	1,382
AN	851	371	238	178	25	50	240	52	86	1,336	1,625	1,424
W	972	311	187	39	41	254	171	319	245	1,370	1,599	1,675
All	845	277	152	155	305	256	162	177	463	1,584	1,707	1,417

H1a7.4.12 Spring Creek Conduit

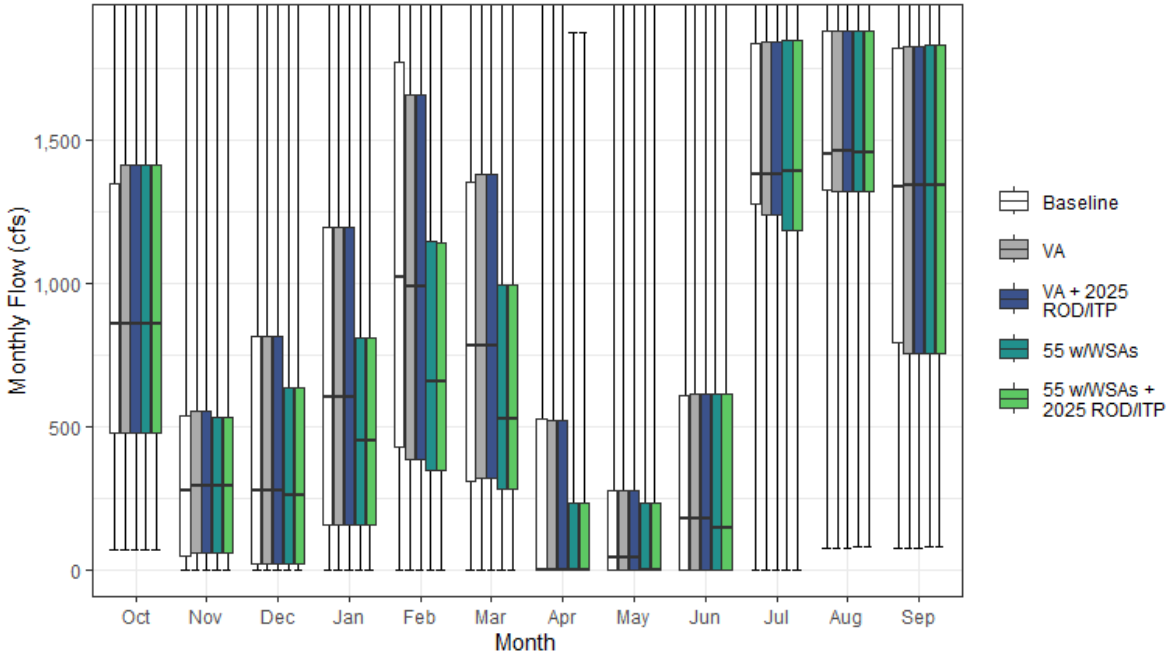

Figure H1a7-64. Spring Creek Conduit Monthly Boxplot (cfs)

Table H1a7-127. Cumulative Distribution of Monthly Flow (cfs) — Spring Creek Conduit

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	69	0	0	0	0	0	0	0	0	0	74	74	185
10%	233	0	0	21	155	130	0	0	0	81	866	560	352
25%	479	48	19	155	427	306	0	0	0	1,274	1,324	792	454
50%	858	273	273	602	1,021	779	0	41	176	1,381	1,452	1,339	615
75%	1,349	536	811	1,194	1,772	1,352	526	273	606	1,834	1,880	1,820	718
90%	1,974	890	1,395	1,629	2,491	1,825	1,031	557	1,278	2,894	2,569	2,036	843
100%	3,433	3,287	2,071	3,616	4,200	4,200	2,410	3,502	3,509	3,399	3,189	3,200	1,636
Mean	998	399	504	753	1,178	944	327	232	436	1,474	1,608	1,303	613
VA													
0%	67	0	0	0	0	0	0	0	0	0	73	75	187
10%	233	0	0	21	155	139	0	0	0	52	867	560	365
25%	479	56	19	155	386	318	0	0	0	1,239	1,323	753	453
50%	858	294	273	603	986	779	0	40	176	1,381	1,460	1,342	606
75%	1,411	555	811	1,194	1,659	1,381	522	273	611	1,845	1,880	1,827	718
90%	1,968	998	1,395	1,629	2,469	1,857	1,162	557	1,169	2,983	2,552	2,019	845
100%	3,433	3,286	2,071	3,616	4,200	4,200	2,410	3,502	3,509	3,399	3,189	3,200	1,636
Mean	995	428	497	757	1,151	962	334	231	428	1,477	1,597	1,302	613
VA + 2025 ROD/ITP													
0%	67	0	0	0	0	0	0	0	0	0	73	75	187
10%	233	0	0	21	155	139	0	0	0	52	867	560	365
25%	479	56	19	155	386	318	0	0	0	1,239	1,323	753	453
50%	858	294	273	603	986	779	0	41	176	1,381	1,460	1,342	606
75%	1,411	555	811	1,194	1,659	1,381	522	273	610	1,845	1,880	1,827	718
90%	1,968	998	1,395	1,629	2,469	1,857	1,162	557	1,169	2,983	2,552	2,019	845
100%	3,433	3,287	2,071	3,616	4,200	4,200	2,410	3,502	3,509	3,399	3,189	3,200	1,636
Mean	996	428	497	757	1,151	962	334	231	428	1,477	1,597	1,302	614
55 w/WSAs													
0%	71	0	0	0	0	0	0	0	0	0	78	82	187
10%	238	0	0	21	157	140	0	0	0	6	831	559	343
25%	479	56	22	155	347	280	0	0	0	1,185	1,322	753	418
50%	859	294	262	451	654	528	0	0	148	1,392	1,457	1,343	531
75%	1,412	533	635	808	1,143	991	234	234	612	1,847	1,880	1,830	653
90%	1,964	961	991	1,149	2,052	1,380	462	412	1,178	2,993	2,553	2,019	752
100%	3,439	3,287	1,987	2,798	3,324	3,736	1,877	3,405	3,357	3,266	3,190	3,233	1,293
Mean	997	400	387	555	877	705	173	192	414	1,480	1,594	1,305	549
55 w/WSAs + 2025 ROD/ITP													
0%	71	0	0	0	0	0	0	0	0	0	78	82	187
10%	238	0	0	21	157	140	0	0	0	6	831	560	342
25%	479	56	22	155	347	280	0	0	0	1,185	1,323	753	419
50%	859	294	262	451	654	528	0	0	148	1,392	1,457	1,343	530
75%	1,411	533	635	808	1,143	991	234	234	611	1,846	1,880	1,829	652
90%	1,964	961	991	1,149	2,052	1,380	462	412	1,174	2,993	2,553	2,019	752
100%	3,433	3,287	1,987	2,798	3,324	3,736	1,877	3,405	3,357	3,266	3,189	3,233	1,293
Mean	996	400	387	555	877	705	173	192	412	1,479	1,593	1,305	549

Table H1a7-128. Water Year Average of Monthly Flows (cfs) — Spring Creek Conduit

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	767	152	196	294	997	395	14	91	611	2,183	1,421	758
D	909	410	286	279	1,126	770	49	53	574	1,540	1,901	1,388
BN	1,049	250	212	709	708	799	235	61	415	1,130	1,547	1,232
AN	1,027	421	601	1,147	1,374	1,075	416	252	219	1,249	1,539	1,342
W	1,144	610	974	1,218	1,533	1,402	721	537	342	1,355	1,558	1,562
All	998	399	504	753	1,178	944	327	232	436	1,474	1,608	1,303
VA												
C	744	158	196	280	999	378	12	88	625	2,281	1,370	781
D	890	409	275	283	1,147	761	49	53	596	1,540	1,896	1,330
BN	1,075	328	212	729	695	854	277	61	416	1,130	1,561	1,232
AN	1,026	542	562	1,147	1,374	1,075	412	252	156	1,249	1,540	1,342
W	1,144	603	974	1,220	1,436	1,444	721	537	317	1,313	1,545	1,586
All	995	428	497	757	1,151	962	334	231	428	1,477	1,597	1,302
VA + 2025 ROD/ITP												
C	744	158	196	280	999	378	12	88	625	2,281	1,371	781
D	890	409	275	283	1,147	761	49	53	596	1,540	1,896	1,330
BN	1,076	328	212	729	695	854	277	61	416	1,130	1,561	1,232
AN	1,026	542	562	1,147	1,374	1,075	412	252	156	1,249	1,539	1,342
W	1,144	603	974	1,220	1,436	1,444	721	537	317	1,313	1,545	1,586
All	996	428	497	757	1,151	962	334	231	428	1,477	1,597	1,302
55 w/WSAs												
C	745	158	175	273	950	358	8	87	639	2,326	1,413	803
D	892	392	250	250	1,038	618	22	43	595	1,555	1,902	1,331
BN	1,077	309	174	616	511	726	201	53	405	1,119	1,560	1,232
AN	1,027	518	486	872	941	713	247	179	128	1,249	1,531	1,342
W	1,144	546	696	763	926	937	325	450	281	1,295	1,513	1,584
All	997	400	387	555	877	705	173	192	414	1,480	1,594	1,305
55 w/WSAs + 2025 ROD/ITP												
C	745	158	175	273	950	358	8	87	633	2,321	1,407	806
D	892	392	250	250	1,038	618	22	43	593	1,553	1,899	1,331
BN	1,077	309	174	616	511	725	201	53	402	1,119	1,560	1,231
AN	1,027	518	486	872	941	713	247	179	128	1,249	1,531	1,342
W	1,143	546	696	763	926	937	325	450	281	1,295	1,513	1,584
All	996	400	387	555	877	705	173	192	412	1,479	1,593	1,305

H1a7.4.13 Robbs Peak Tunnel

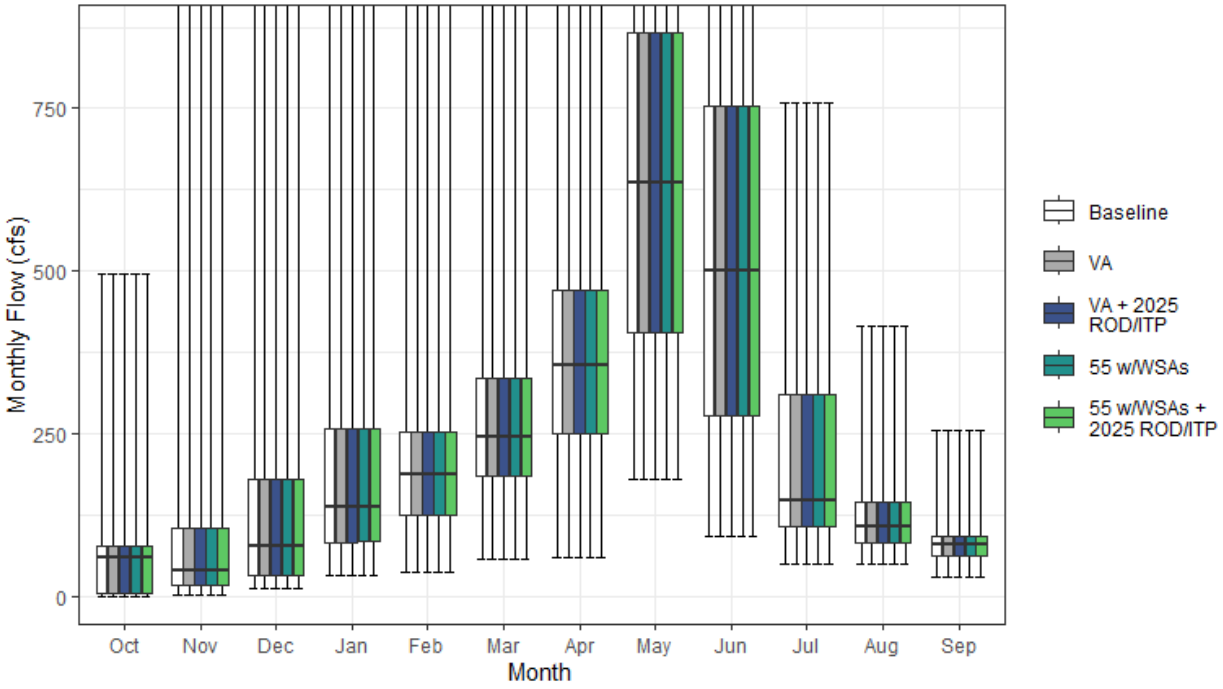

Figure H1a7-65. Robbs Peak Tunnel Monthly Boxplot (cfs)

Table H1a7-129. Cumulative Distribution of Monthly Flow (cfs) — Robbs Peak Tunnel

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	2	12	31	36	58	59	180	92	50	48	29	50
10%	0	11	21	60	82	124	182	273	180	81	72	54	83
25%	5	17	33	83	124	185	250	406	278	107	81	63	116
50%	61	40	76	138	187	244	355	637	500	148	107	79	170
75%	77	105	181	257	253	335	470	866	753	311	146	92	237
90%	117	224	541	375	353	467	640	1,020	988	407	168	108	279
100%	496	968	1,020	1,020	1,020	956	1,020	1,020	1,020	758	416	256	422
Mean	65	95	170	192	219	276	382	645	533	220	119	83	181
VA													
0%	0	2	12	31	36	58	59	180	92	50	48	29	50
10%	0	11	21	60	82	124	182	273	180	81	72	54	83
25%	5	17	33	83	124	185	250	406	278	107	81	63	116
50%	60	40	76	138	187	244	355	637	500	148	107	79	170
75%	77	105	181	257	253	335	469	866	753	311	146	92	237
90%	117	224	541	375	353	467	640	1,020	988	407	168	108	279
100%	496	968	1,020	1,020	1,020	956	1,020	1,020	1,020	758	416	256	422
Mean	65	95	170	192	219	276	382	645	533	220	119	83	181
VA + 2025 ROD/ITP													
0%	0	2	12	31	36	58	59	180	92	50	48	29	50
10%	0	11	21	60	82	124	182	273	180	81	72	54	83
25%	5	17	33	83	124	185	250	406	278	107	81	63	116
50%	60	40	76	138	187	244	355	637	500	148	107	79	170
75%	77	105	181	257	253	335	469	866	753	311	146	92	237
90%	117	224	541	375	353	467	640	1,020	988	407	168	108	279
100%	496	968	1,020	1,020	1,020	956	1,020	1,020	1,020	758	416	256	422
Mean	65	95	170	192	219	276	382	645	533	220	119	83	181
55 w/WSAs													
0%	0	2	12	31	36	58	59	179	91	50	48	29	51
10%	0	11	21	60	82	124	182	273	180	81	72	54	83
25%	5	17	33	83	124	185	250	406	278	107	81	63	116
50%	60	40	76	138	186	244	355	637	500	148	107	79	170
75%	77	105	181	257	253	335	470	866	752	311	146	92	237
90%	117	224	541	375	353	467	640	1,020	988	407	168	108	279
100%	496	968	1,020	1,020	1,020	956	1,020	1,020	1,020	758	416	256	422
Mean	65	95	170	192	219	276	382	645	532	220	119	82	181
55 w/WSAs + 2025 ROD/ITP													
0%	0	2	12	31	36	58	59	179	91	50	48	29	51
10%	0	11	21	60	82	124	182	273	180	81	72	54	83
25%	5	17	33	83	124	185	250	406	278	107	81	63	116
50%	60	40	76	138	186	244	355	637	500	148	107	79	170
75%	77	105	181	257	253	335	470	866	752	311	146	92	237
90%	117	224	541	375	353	467	640	1,020	988	407	168	108	279
100%	496	968	1,020	1,020	1,020	956	1,020	1,020	1,020	758	416	256	422
Mean	65	95	170	192	219	276	382	645	532	220	119	82	181

Table H1a7-130. Water Year Average of Monthly Flows (cfs) — Robbs Peak Tunnel

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	47	32	46	64	100	142	175	289	240	90	78	72
D	47	72	96	97	150	225	320	494	368	130	90	87
BN	59	65	78	132	176	259	427	653	512	180	108	77
AN	63	144	182	280	252	342	402	781	559	212	118	70
W	93	146	344	331	348	369	502	886	811	382	169	94
All	65	95	170	192	219	276	382	645	533	220	119	83
VA												
C	47	32	46	64	100	142	175	289	240	90	78	72
D	47	72	96	97	150	225	320	494	368	130	90	87
BN	59	65	78	132	176	259	427	653	512	180	108	77
AN	63	144	182	280	252	342	402	781	559	212	118	70
W	93	146	344	331	348	369	502	886	811	382	169	94
All	65	95	170	192	219	276	382	645	533	220	119	83
VA + 2025 ROD/ITP												
C	47	32	46	64	100	142	175	289	240	90	78	72
D	47	72	96	97	150	225	320	494	368	130	90	87
BN	59	65	78	132	176	259	427	653	512	180	108	77
AN	63	144	182	280	252	342	402	781	559	212	118	70
W	93	146	344	331	348	369	502	886	811	382	169	94
All	65	95	170	192	219	276	382	645	533	220	119	83
55 w/WSAs												
C	47	32	46	64	100	142	175	289	240	90	77	72
D	47	72	96	97	150	225	320	494	368	130	90	87
BN	59	65	78	132	176	259	427	653	512	180	108	77
AN	63	144	182	280	252	342	402	781	559	212	118	70
W	93	146	344	331	348	369	502	886	811	382	169	94
All	65	95	170	192	219	276	382	645	532	220	119	82
55 w/WSAs + 2025 ROD/ITP												
C	47	32	46	64	100	142	175	289	240	90	77	72
D	47	72	96	97	150	225	320	494	368	130	90	87
BN	59	65	78	132	176	259	427	653	512	180	108	77
AN	63	144	182	280	252	342	402	781	559	212	118	70
W	93	146	344	331	348	369	502	886	811	382	169	94
All	65	95	170	192	219	276	382	645	532	220	119	82

H1a7.4.14 Lake Valley Canal

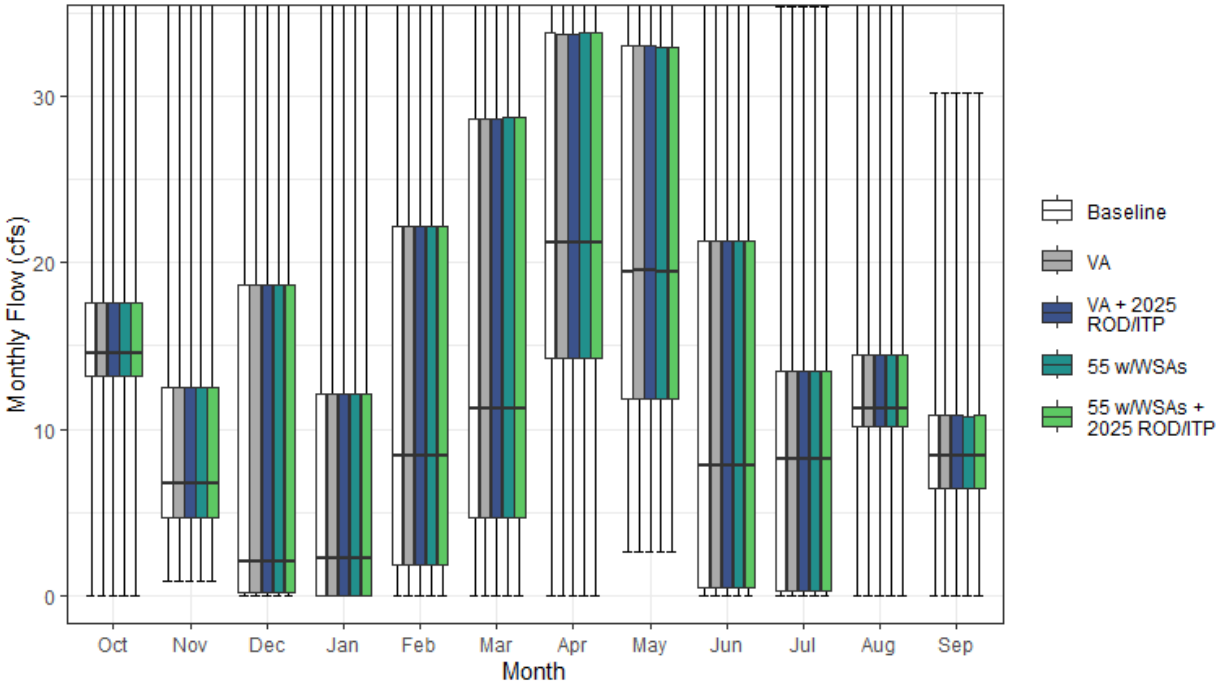

Figure H1a7-66. Lake Valley Canal Monthly Boxplot (cfs)

Table H1a7-131. Cumulative Distribution of Monthly Flow (cfs) — Lake Valley Canal

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual (TAF)
Baseline													
0%	0	1	0	0	0	0	0	3	0	0	0	0	2
10%	13	4	0	0	0	1	6	7	0	0	2	6	6
25%	13	5	0	0	2	5	14	12	0	0	10	6	7
50%	15	7	2	2	8	11	21	20	8	8	11	8	9
75%	18	12	19	12	22	29	34	33	21	13	14	11	12
90%	21	21	35	35	36	42	42	42	40	21	17	14	15
100%	42	42	42	42	42	42	42	42	42	35	42	30	22
Mean	16	11	10	9	13	17	23	23	13	9	11	9	10
VA													
0%	0	1	0	0	0	0	0	3	0	0	0	0	2
10%	13	4	0	0	0	1	6	7	0	0	2	6	6
25%	13	5	0	0	2	5	14	12	0	0	10	6	7
50%	15	7	2	2	8	11	21	20	8	8	11	8	9
75%	18	12	19	12	22	29	34	33	21	13	14	11	12
90%	21	21	35	35	36	42	42	42	40	21	17	14	15
100%	42	42	42	42	42	42	42	42	42	35	42	30	22
Mean	16	11	10	9	13	17	23	23	13	9	11	9	10
VA + 2025 ROD/ITP													
0%	0	1	0	0	0	0	0	3	0	0	0	0	2
10%	13	4	0	0	0	1	6	7	0	0	2	6	6
25%	13	5	0	0	2	5	14	12	0	0	10	6	7
50%	15	7	2	2	8	11	21	20	8	8	11	8	9
75%	18	12	19	12	22	29	34	33	21	13	14	11	12
90%	21	21	35	35	36	42	42	42	40	21	17	14	15
100%	42	42	42	42	42	42	42	42	42	35	42	30	22
Mean	16	11	10	9	13	17	23	23	13	9	11	9	10
55 w/WSAs													
0%	0	1	0	0	0	0	0	3	0	0	0	0	2
10%	13	4	0	0	0	1	6	7	0	0	2	6	6
25%	13	5	0	0	2	5	14	12	0	0	10	6	7
50%	15	7	2	2	8	11	21	20	8	8	11	8	9
75%	18	12	19	12	22	29	34	33	21	13	14	11	12
90%	21	21	35	35	36	42	42	42	40	21	17	14	15
100%	42	42	42	42	42	42	42	42	42	35	42	30	22
Mean	16	11	10	9	13	17	23	23	13	9	11	9	10
55 w/WSAs + 2025 ROD/ITP													
0%	0	1	0	0	0	0	0	3	0	0	0	0	2
10%	13	4	0	0	0	1	6	7	0	0	2	6	6
25%	13	5	0	0	2	5	14	12	0	0	10	6	7
50%	15	7	2	2	8	11	21	20	8	8	11	8	9
75%	18	12	19	12	22	29	34	33	21	13	14	11	12
90%	21	21	35	35	36	42	42	42	40	21	17	14	15
100%	42	42	42	42	42	42	42	42	42	35	42	30	22
Mean	16	11	10	9	13	17	23	23	13	9	11	9	10

Table H1a7-132. Water Year Average of Monthly Flows (cfs) — Lake Valley Canal

Water Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Baseline												
C	15	7	4	2	5	14	19	16	6	4	7	8
D	17	10	6	2	8	15	26	22	6	7	11	8
BN	15	8	2	5	12	17	26	27	15	10	12	9
AN	15	12	14	21	16	23	29	25	11	10	15	10
W	18	14	20	17	19	16	18	22	22	12	11	10
All	16	11	10	9	13	17	23	23	13	9	11	9
VA												
C	15	7	4	2	5	14	19	16	6	4	7	8
D	17	10	6	2	8	15	26	22	6	7	11	8
BN	15	8	2	5	12	17	26	27	15	10	12	9
AN	15	12	14	21	16	23	29	25	11	10	15	10
W	18	14	20	17	19	16	18	22	22	12	11	10
All	16	11	10	9	13	17	23	23	13	9	11	9
VA + 2025 ROD/ITP												
C	15	7	4	2	5	14	19	16	6	4	7	8
D	17	10	6	2	8	15	26	22	6	7	11	8
BN	15	8	2	5	12	17	26	27	15	10	12	9
AN	15	12	14	21	16	23	29	25	11	10	15	10
W	18	14	20	17	19	16	18	22	22	12	11	10
All	16	11	10	9	13	17	23	23	13	9	11	9
55 w/WSAs												
C	15	7	4	2	5	14	20	16	6	4	7	8
D	17	10	6	2	8	15	26	22	6	7	11	8
BN	15	8	2	5	12	17	26	27	15	10	12	9
AN	15	12	14	21	16	23	29	25	11	10	15	10
W	18	14	20	17	19	16	18	22	22	12	11	10
All	16	11	10	9	13	17	23	23	13	9	11	9
55 w/WSAs + 2025 ROD/ITP												
C	15	7	4	2	5	14	19	16	6	4	7	8
D	17	10	6	2	8	15	26	22	6	7	11	8
BN	15	8	2	5	12	17	26	27	15	10	12	9
AN	15	12	14	21	16	23	29	25	11	10	15	10
W	18	14	20	17	19	16	18	22	22	12	11	10
All	16	11	10	9	13	17	23	23	13	9	11	9

H1a7.5 Reservoir Storage

SacWAM dynamically simulates storage regulation in most major reservoirs in the Sacramento Valley and Delta Eastside Tributaries. Storage in smaller reservoirs, including regulating reservoirs that act as forebays and afterbays, are typically not simulated, although they may be represented in the model schematic. Storage in these smaller reservoirs is usually kept constant. For some mid-size reservoirs, storage is constrained to follow historical average monthly values. Reservoirs represented in the model but having storage that does not change in any of the scenarios are considered non-reoperated reservoirs. Results for non-reoperated reservoirs with constant end-of-April and end-of-September storage are listed in Table H1a7-133. Results for these reservoirs are not presented further. Littlejohns Reservoir and Schaads Reservoir do not store water in SacWAM as currently configured.

Reservoirs that exhibit interannual variability in end-of-April or end-of-September storage but show less than or equal to one percent change from baseline storage during April or September are listed in Table H1a7-134. Reservoirs that exhibit greater than one percent change from baseline storage during April or September are listed in Table H1a7-135.

Results for other reservoirs listed in Tables H1a7-134 and H1a7-135 are presented as end-of-April storage and elevation and end-of-September storage and elevation. SacWAM contains storage-elevation relationships for most of the reoperated reservoirs, allowing average annual fluctuation in reservoir elevation to be calculated as the average of the annual maximum minus minimum water surface elevations (Table H1a7-136).

Table H1a7-133. Non-reoperated Reservoirs with Constant End-of-April and End-of-September Storage (TAF).

Reservoir	Watershed	End-of-April	End-of-September
Belden Reservoir	Feather	2.4	2.4
Buck Island	American	1.1	1.1
Camino Reservoir	American	0.8	0.8
Chili Bar Reservoir	American	3	3
Clifton Court Forebay	Old River	31.3	31.3
Cresta Reservoir	Feather	4.1	4.1
EBMUD Terminal Reservoirs	Offstream Storage	140	118
Englebright Reservoir	Yuba	66.1	65.3
Farmington Reservoir	Littlejohns	0	0
Gerle Creek Reservoir	American	1.3	1.3
Grizzly Reservoir	Feather	1.1	1.1
Junction Reservoir	American	3.2	3.2
Keswick Reservoir	Sacramento	22	22
Lake Combie	Bear	5.2	3.3
Lake Natoma	American	8	8
Lake Tableaud	Mokelumne	1.3	1.3
Lewiston Lake	Trinity	14.7	14.7
Lower Bucks Lake	Feather	5.8	5.8
PGE Old Reservoirs	Mokelumne	7.8	7.2
Poe Reservoir	Feather	1.2	1.2
Rock Creek Reservoir	Feather	4.4	4.4
Rubicon	American	1.4	1.4
Schaads Reservoir	Mokelumne	0	0
Slab Creek Reservoir	American	16.6	16.6
Thermalito Afterbay	Feather	38	38
Upper Bear	Mokelumne	7	1.6

Table H1a7-134. Reservoirs with Interannual Variability in End-of-April or End-of-September Storage but with no Change in Storage Greater than One Percent Relative to Baseline in April or September.

Reservoir	Watershed
Antelope Reservoir	Feather
Bucks Lake	Feather
Butt Valley	Feather
Caples Lake	American
Frenchman Lake	Feather
Ice House	American
Jenkinson Lake	Cosumnes
Lake Almanor	Feather
Lake Aloha	American
Lake Amador	Mokelumne
Lake Davis	Feather
Lake Valley	American
Little Grass Valley Reservoir	Feather
Loon Lake	American
Merle Collins Reservoir	Yuba
Mountain Meadows Reservoir	Feather
Philbrook Round Valley	Feather
Silver Lake	American
Sly Creek Reservoir	Feather
Stumpy Meadows	American
Union Valley Reservoir	American

Table H1a7-135. Reservoirs with a Change in Storage Relative to Baseline Greater than One Percent in April or September.

Reservoir	Watershed
Black Butte Reservoir	Stony
Bowman Lake	Yuba
Camanche Reservoir	Mokelumne
Camp Far West	Bear
Clear Lake	Cache
CVP San Luis Reservoir	South of Delta Offstream
East Park Reservoir	Stony
Folsom Lake	American
French Lake	Yuba
French Meadows	American
Hell Hole	American
Indian Valley Reservoir	Cache
Jackson Meadows Reservoir	Yuba
Lake Berryessa	Putah
Lake Fordyce	Yuba
Lake Spaulding	Yuba
Los Vaqueros Reservoir	Kellogg
Lower Bear	Mokelumne
New Bullards Bar Reservoir	Yuba
New Hogan Reservoir	Calaveras
Oroville Reservoir	Feather
Pardee Reservoir	Mokelumne
Rollins Reservoir	Bear
Salt Springs	Mokelumne
Scotts Flat Reservoir	Yuba
Shasta Lake	Sacramento
Stony Gorge Reservoir	Stony
SWP San Luis Reservoir	South of Delta Offstream
Total San Luis Reservoir	South of Delta Offstream
Trinity Reservoir	Trinity
Whiskeytown Reservoir	Clear

Table H1a7-136. Average Annual Change in Elevation for Reservoirs with Elevational Changes Calculated by SacWAM (ft).

			Flow Scenario Minus Baseline			
Reservoir	Watershed	Baseline	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP	VA	VA + 2025 ROD/ITP
Black Butte Reservoir	Stony	32.1	-4.8	-4.8	0	0
Bowman Lake	Yuba	54.6	-0.1	-0.1	0.1	0.1
Camanche Reservoir	Mokelumne	23.3	-6.2	-6.2	0	0
Camp Far West	Bear	39.9	-0.7	-0.6	0	0
Clear Lake	Cache	5.8	-0.3	-0.3	0	0
East Park Reservoir	Stony	10.7	7.4	7.4	0	0
Folsom Lake	American	48	-7.9	-9.3	-2.3	-3.1
French Meadows	American	65.7	-0.1	-0.1	0	0
Hell Hole	American	102.7	-0.2	-0.2	1	1
Indian Valley Reservoir	Cache	50	3.7	3.7	0	0
Jackson Meadows Reservoir	Yuba	38.2	-0.6	-0.6	0	0
Lake Berryessa	Putah	20.4	-1.2	-1.2	0.3	0.3
Lake Fordyce	Yuba	67.8	-3	-3	0	0
Lake Spaulding	Yuba	107.6	-0.8	-0.8	0	0
Los Vaqueros Reservoir	Kellogg	14.1	1.2	1.2	0	0
Lower Bear	Mokelumne	86.8	-0.2	-0.2	0	0
New Bullards Bar Reservoir	Yuba	91.7	-4.1	-4.1	0.8	0.8
New Hogan Reservoir	Calaveras	36.5	-11.1	-11.1	0	0
Oroville Reservoir	Feather	152.3	-30.4	-33	-6.1	-7.8
Pardee Reservoir	Mokelumne	19.4	1.3	1.3	0	0
Rollins Reservoir	Bear	11.7	0.1	0.1	0	0
Salt Springs	Mokelumne	182.6	-2.4	-2.4	0	0
Scotts Flat Reservoir	Yuba	28.5	0.1	0.1	0	0
Shasta Lake	Sacramento	70.6	-5.1	-5.6	1.3	1.4
Stony Gorge Reservoir	Stony	11.8	9.9	10	0	0
San Luis Reservoir Total	SOD Offstream	125.4	-2.2	-2.9	-12.4	-13.1
Trinity Reservoir	Trinity	65	0.1	0.1	0.1	0.1
Whiskeytown Reservoir	Clear	10.2	0	0	0	0

H1a7.5.1 Antelope Reservoir (Feather River Watershed)

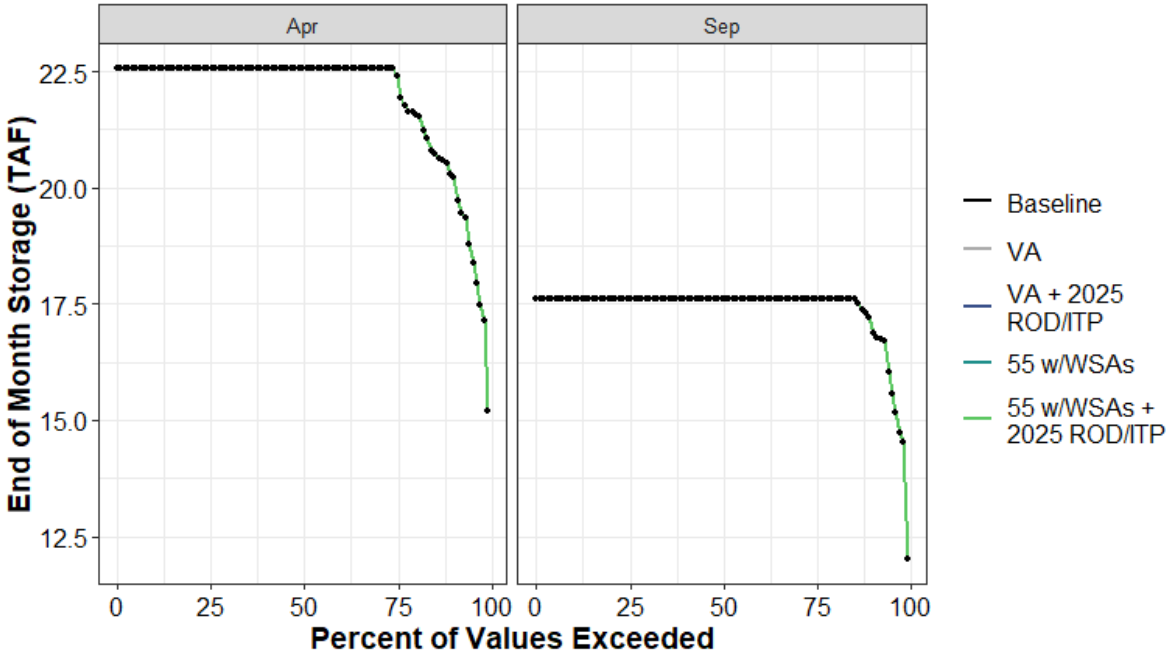

Figure H1a7-67. Antelope Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

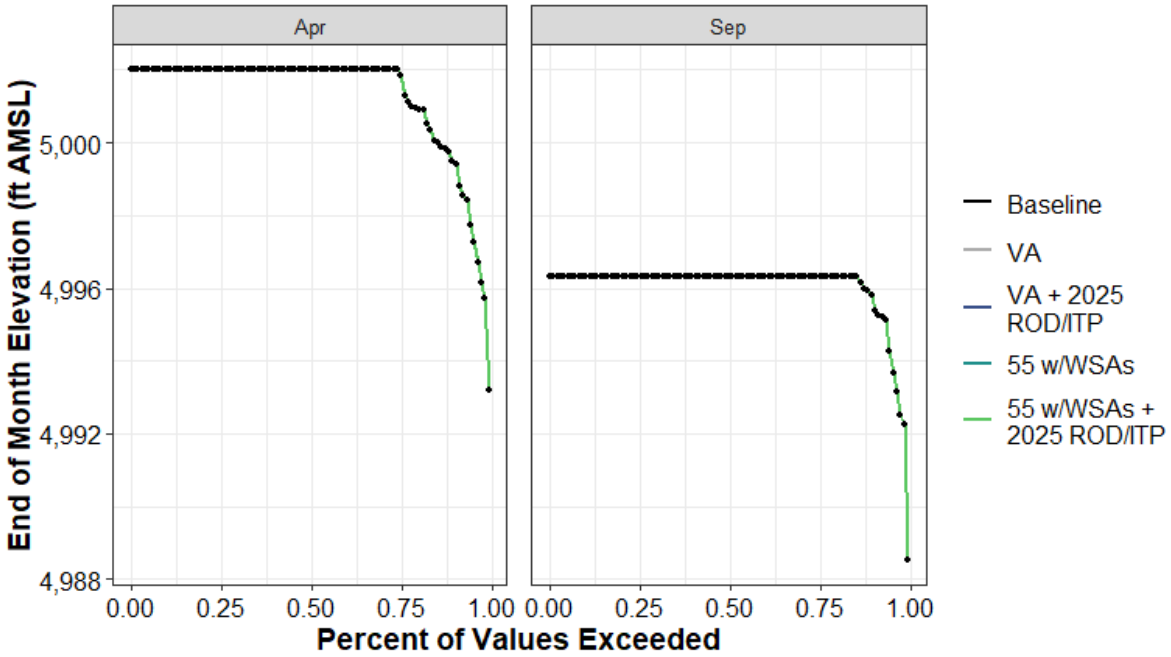

Figure H1a7-68. Antelope Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-137. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Antelope Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	12	0	0	0	0
10%	17	0	0	0	0
25%	18	0	0	0	0
50%	18	0	0	0	0
75%	18	0	0	0	0
90%	18	0	0	0	0
100%	18	0	0	0	0
Mean	17	0	0	0	0

Table H1a7-138. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Antelope Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,989	0	0	0	0
10%	4,996	0	0	0	0
25%	4,996	0	0	0	0
50%	4,996	0	0	0	0
75%	4,996	0	0	0	0
90%	4,996	0	0	0	0
100%	4,996	0	0	0	0
Mean	4,996	0	0	0	0

Table H1a7-139. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Antelope Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	15	0	0	0	0
10%	20	0	0	0	0
25%	22	0	0	0	0
50%	23	0	0	0	0
75%	23	0	0	0	0
90%	23	0	0	0	0
100%	23	0	0	0	0
Mean	22	0	0	0	0

Table H1a7-140. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Antelope Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,993	0	0	0	0
10%	4,999	0	0	0	0
25%	5,002	0	0	0	0
50%	5,002	0	0	0	0
75%	5,002	0	0	0	0
90%	5,002	0	0	0	0
100%	5,002	0	0	0	0
Mean	5,001	0	0	0	0

H1a7.5.2 Black Butte Reservoir (Stony Creek Watershed)

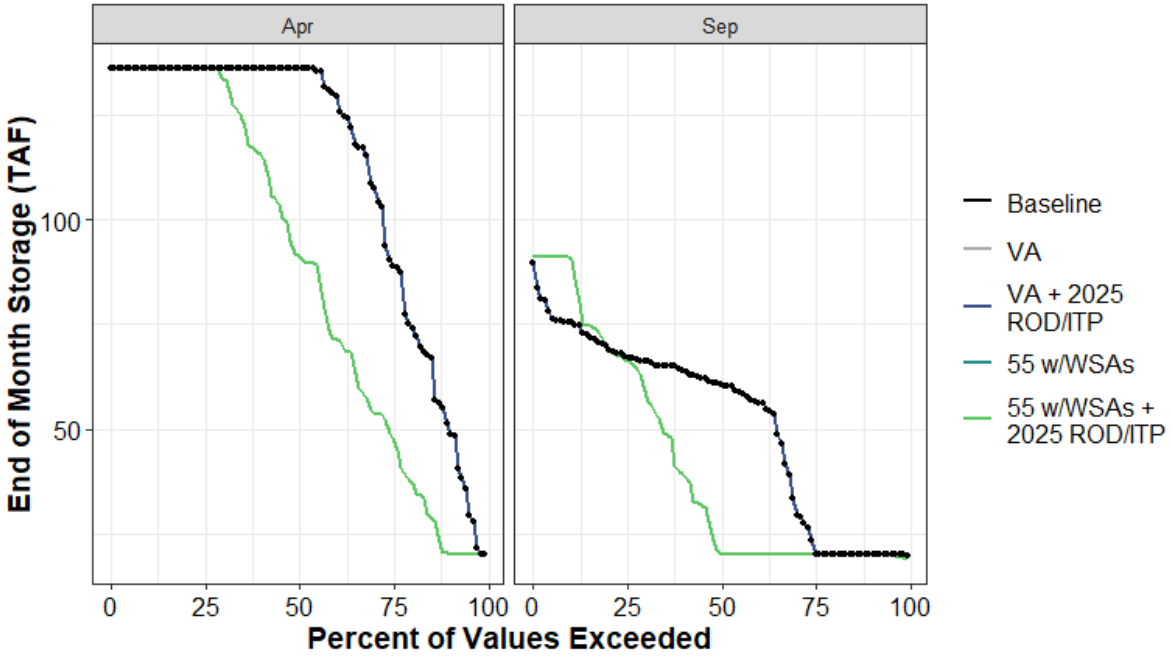

Figure H1a7-69. Black Butte Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

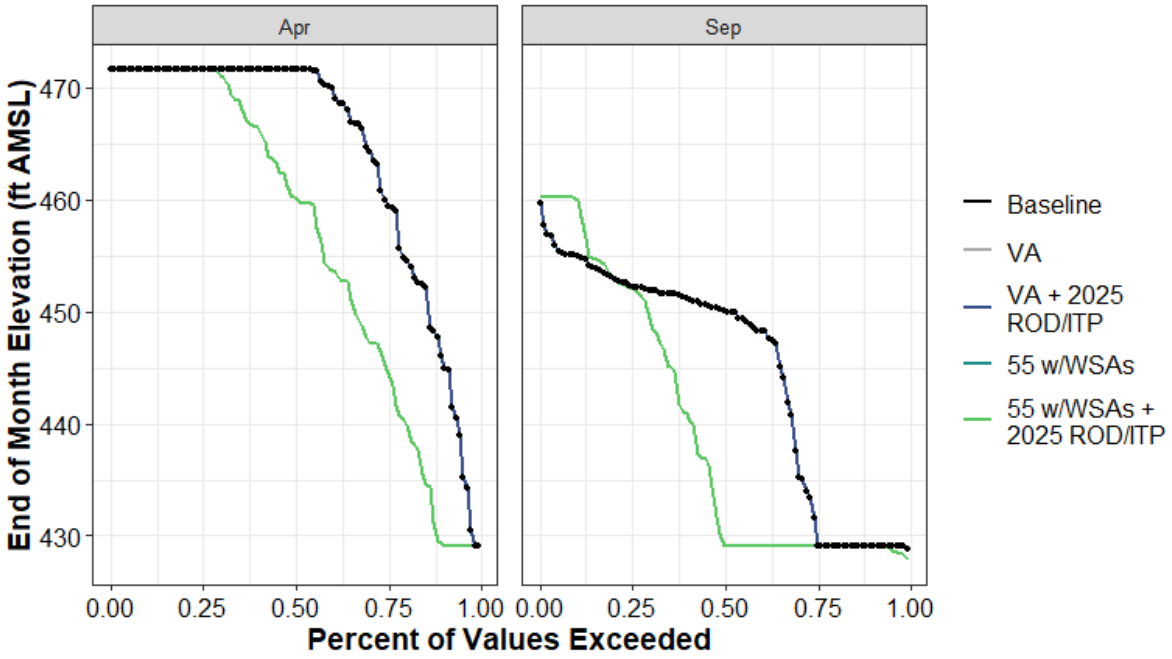

Figure H1a7-70. Black Butte Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-141. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Black Butte Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	20	0	0	-1	-1
10%	20	0	0	0	0
25%	22	0	0	-2	-2
50%	61	0	0	-41	-41
75%	67	0	0	-1	-1
90%	75	0	0	15	15
100%	90	0	0	1	1
Mean	52	0	0	-10	-10

Table H1a7-142. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Black Butte Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	429	0	0	-1	-1
10%	429	0	0	0	0
25%	430	0	0	-1	-1
50%	450	0	0	-21	-21
75%	452	0	0	0	0
90%	455	0	0	5	5
100%	460	0	0	0	0
Mean	445	0	0	-5	-5

Table H1a7-143. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Black Butte Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	20	0	0	0	0
10%	51	0	0	-30	-30
25%	90	0	0	-41	-41
50%	136	0	0	-45	-45
75%	136	0	0	0	0
90%	136	0	0	0	0
100%	136	0	0	0	0
Mean	112	0	0	-24	-24

Table H1a7-144. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Black Butte Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	429	0	0	0	0
10%	446	0	0	-17	-17
25%	460	0	0	-15	-15
50%	472	0	0	-11	-11
75%	472	0	0	0	0
90%	472	0	0	0	0
100%	472	0	0	0	0
Mean	464	0	0	-8	-8

H1a7.5.3 Bowman Lake (Yuba River Watershed)

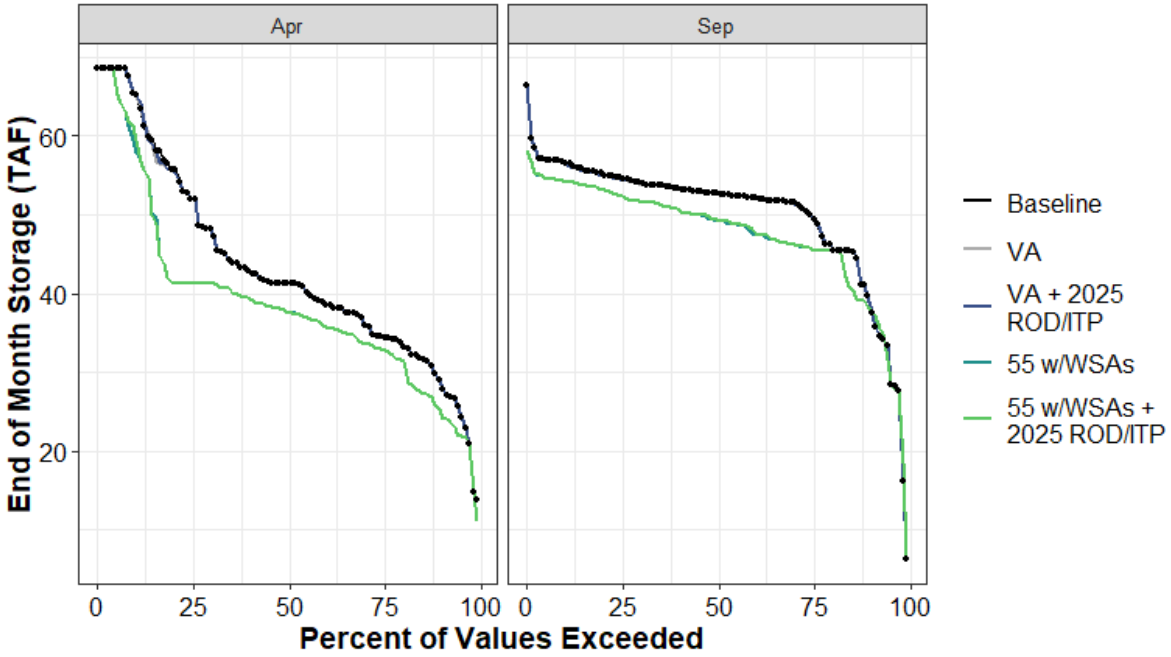

Figure H1a7-71. Bowman Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

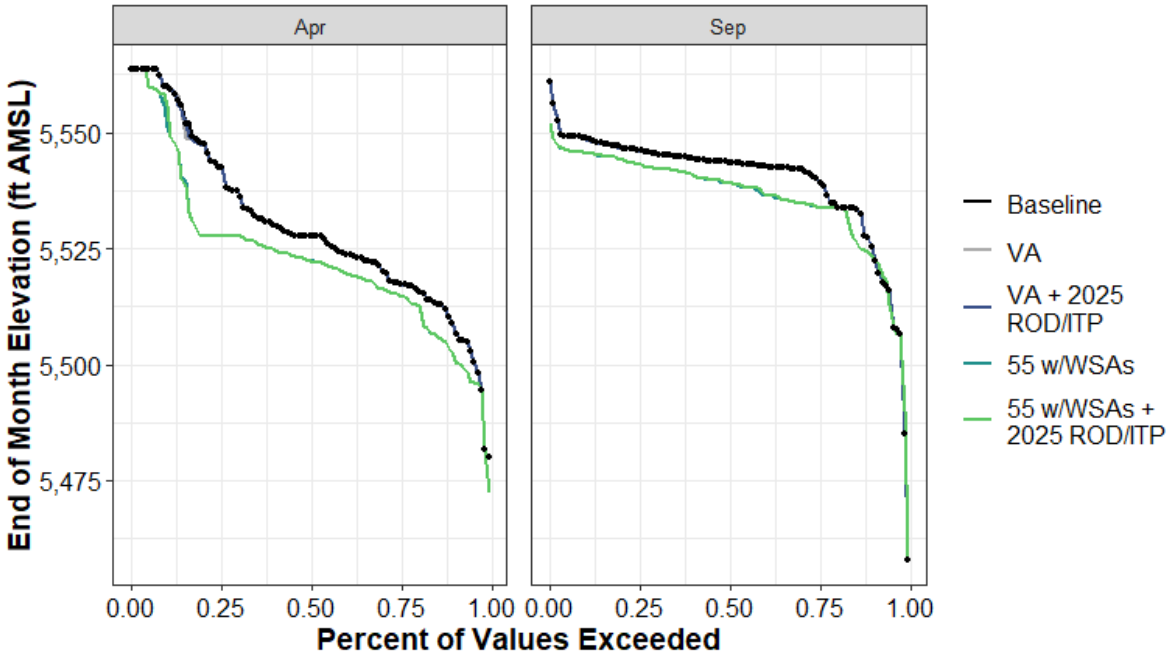

Figure H1a7-72. Bowman Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-145. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Bowman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6	0	0	0	0
10%	39	0	0	-1	-1
25%	50	0	0	-4	-4
50%	53	0	0	-3	-3
75%	55	0	0	-2	-2
90%	57	0	0	-2	-2
100%	66	0	0	-8	-8
Mean	50	0	0	-3	-3

Table H1a7-146. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Bowman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,458	0	0	0	0
10%	5,525	0	0	-2	-2
25%	5,540	0	0	-6	-6
50%	5,544	0	0	-5	-4
75%	5,546	0	0	-3	-3
90%	5,549	0	0	-3	-3
100%	5,561	0	0	-9	-9
Mean	5,540	0	0	-4	-4

Table H1a7-147. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Bowman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	14	0	0	-3	-3
10%	29	0	0	-4	-4
25%	34	0	0	-2	-2
50%	41	0	0	-4	-4
75%	52	0	0	-11	-11
90%	65	0	0	-7	-5
100%	69	0	0	0	0
Mean	43	0	0	-4	-4

Table H1a7-148. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Bowman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,480	0	0	-8	-8
10%	5,509	0	0	-7	-7
25%	5,517	0	0	-2	-2
50%	5,528	0	0	-5	-5
75%	5,543	0	0	-15	-15
90%	5,560	0	0	-8	-4
100%	5,564	0	0	0	0
Mean	5,530	0	0	-6	-6

H1a7.5.4 Bucks Lake (Feather River Watershed)

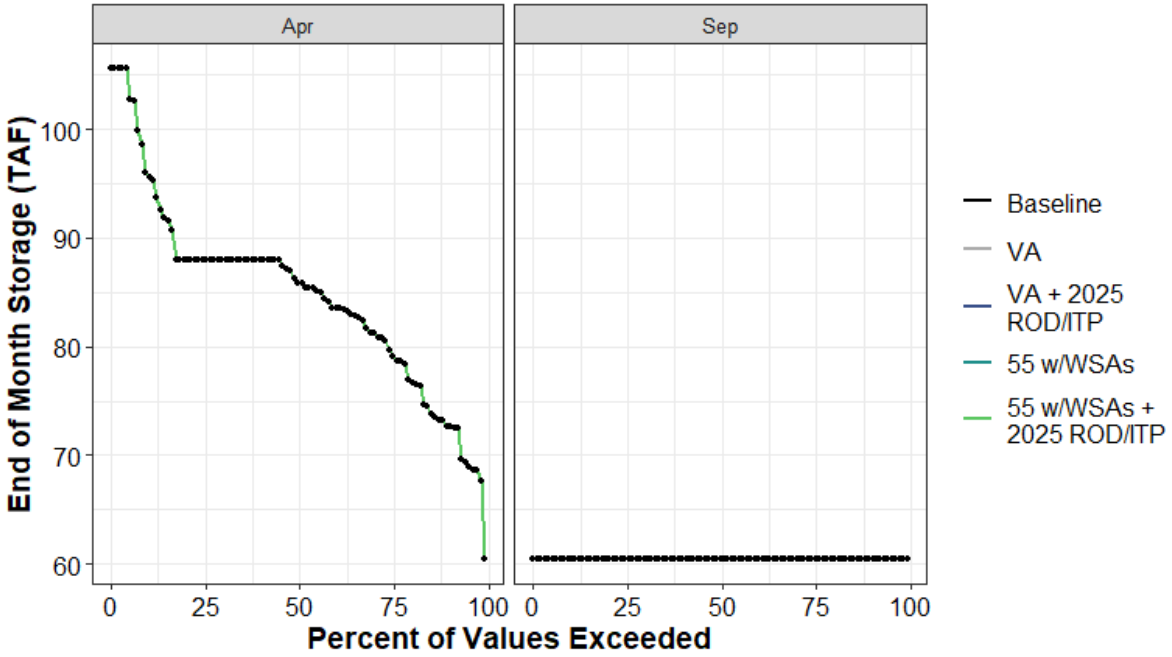

Figure H1a7-73. Bucks Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

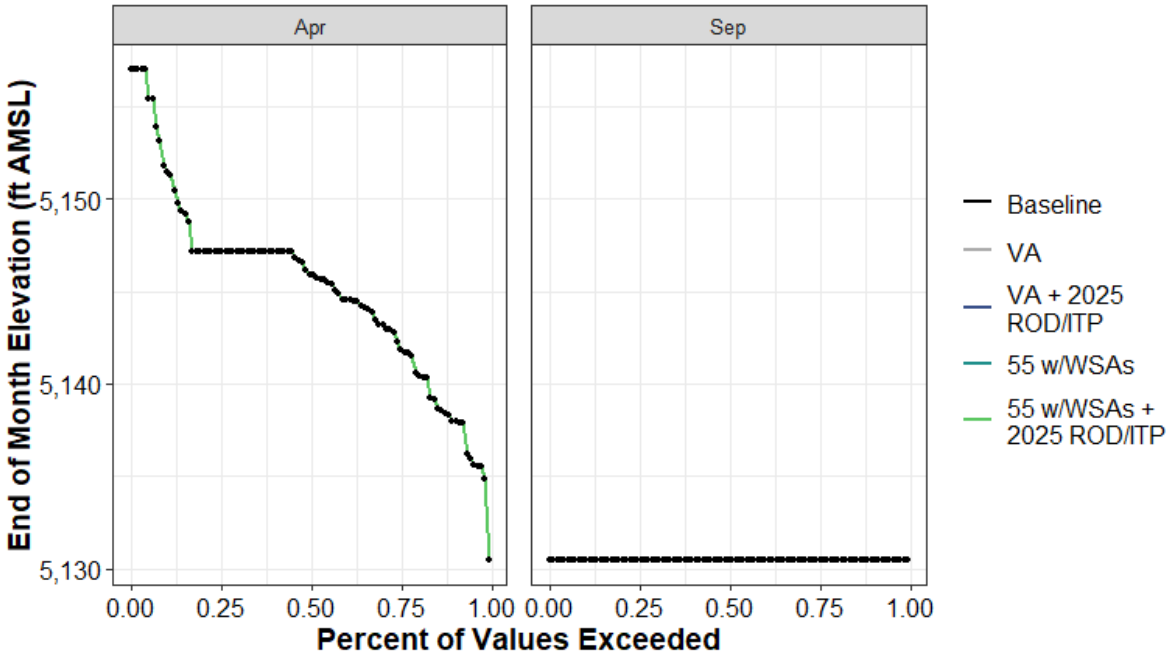

Figure H1a7-74. Bucks Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-149. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Bucks Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	60	0	0	0	0
10%	60	0	0	0	0
25%	60	0	0	0	0
50%	60	0	0	0	0
75%	60	0	0	0	0
90%	60	0	0	0	0
100%	60	0	0	0	0
Mean	60	0	0	0	0

Table H1a7-150. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Bucks Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,130	0	0	0	0
10%	5,130	0	0	0	0
25%	5,130	0	0	0	0
50%	5,130	0	0	0	0
75%	5,130	0	0	0	0
90%	5,130	0	0	0	0
100%	5,130	0	0	0	0
Mean	5,130	0	0	0	0

Table H1a7-151. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Bucks Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	60	0	0	0	0
10%	73	0	0	0	0
25%	79	0	0	0	0
50%	86	0	0	0	0
75%	88	0	0	0	0
90%	96	0	0	0	0
100%	106	0	0	0	0
Mean	85	0	0	0	0

Table H1a7-152. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Bucks Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,130	0	0	0	0
10%	5,138	0	0	0	0
25%	5,142	0	0	0	0
50%	5,146	0	0	0	0
75%	5,147	0	0	0	0
90%	5,152	0	0	0	0
100%	5,157	0	0	0	0
Mean	5,145	0	0	0	0

H1a7.5.5 Butt Valley (Feather River Watershed)

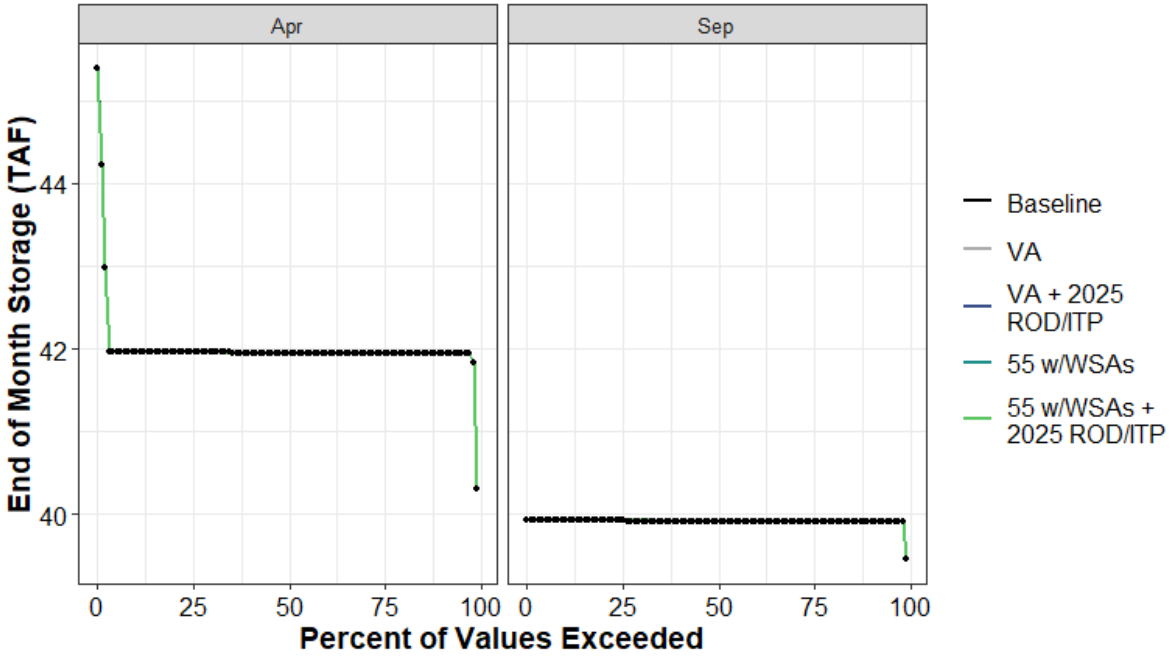

Figure H1a7-75. Butt Valley End of April and End of September Storage (TAF) Percent Exceedance Plot

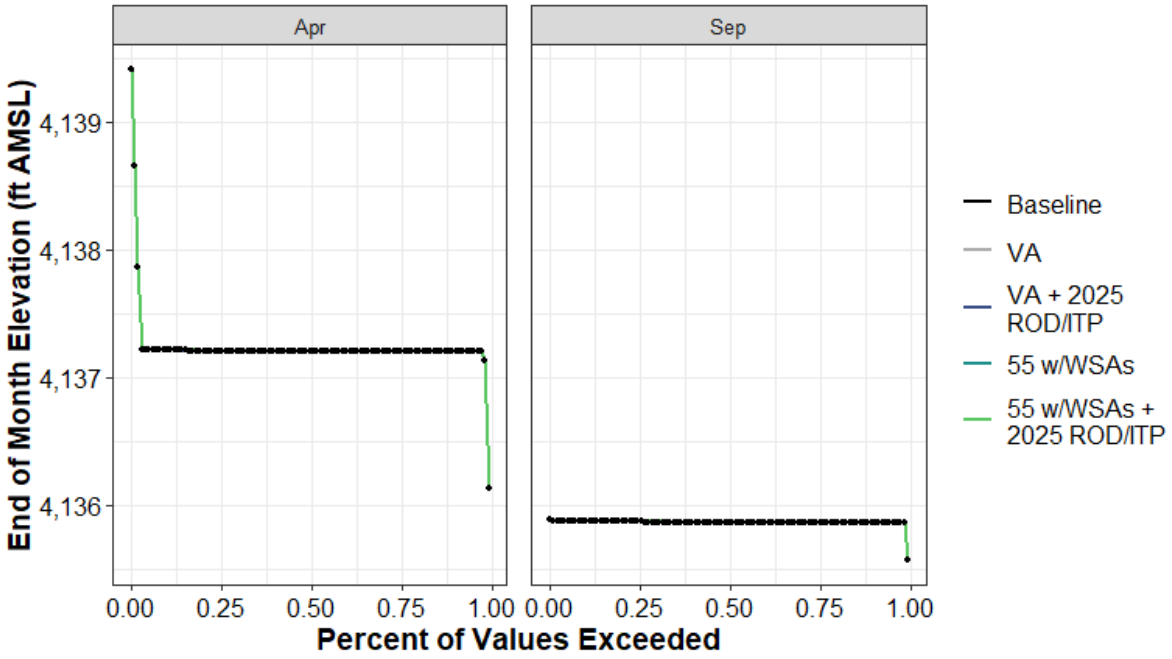

Figure H1a7-76. Butt Valley Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-153. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Butt Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	39	0	0	0	0
10%	40	0	0	0	0
25%	40	0	0	0	0
50%	40	0	0	0	0
75%	40	0	0	0	0
90%	40	0	0	0	0
100%	40	0	0	0	0
Mean	40	0	0	0	0

Table H1a7-154. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Butt Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,136	0	0	0	0
10%	4,136	0	0	0	0
25%	4,136	0	0	0	0
50%	4,136	0	0	0	0
75%	4,136	0	0	0	0
90%	4,136	0	0	0	0
100%	4,136	0	0	0	0
Mean	4,136	0	0	0	0

Table H1a7-155. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Butt Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	40	0	0	0	0
10%	42	0	0	0	0
25%	42	0	0	0	0
50%	42	0	0	0	0
75%	42	0	0	0	0
90%	42	0	0	0	0
100%	45	0	0	0	0
Mean	42	0	0	0	0

Table H1a7-156. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Butt Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,136	0	0	0	0
10%	4,137	0	0	0	0
25%	4,137	0	0	0	0
50%	4,137	0	0	0	0
75%	4,137	0	0	0	0
90%	4,137	0	0	0	0
100%	4,139	0	0	0	0
Mean	4,137	0	0	0	0

H1a7.5.6 Camanche Reservoir (Mokelumne River Watershed)

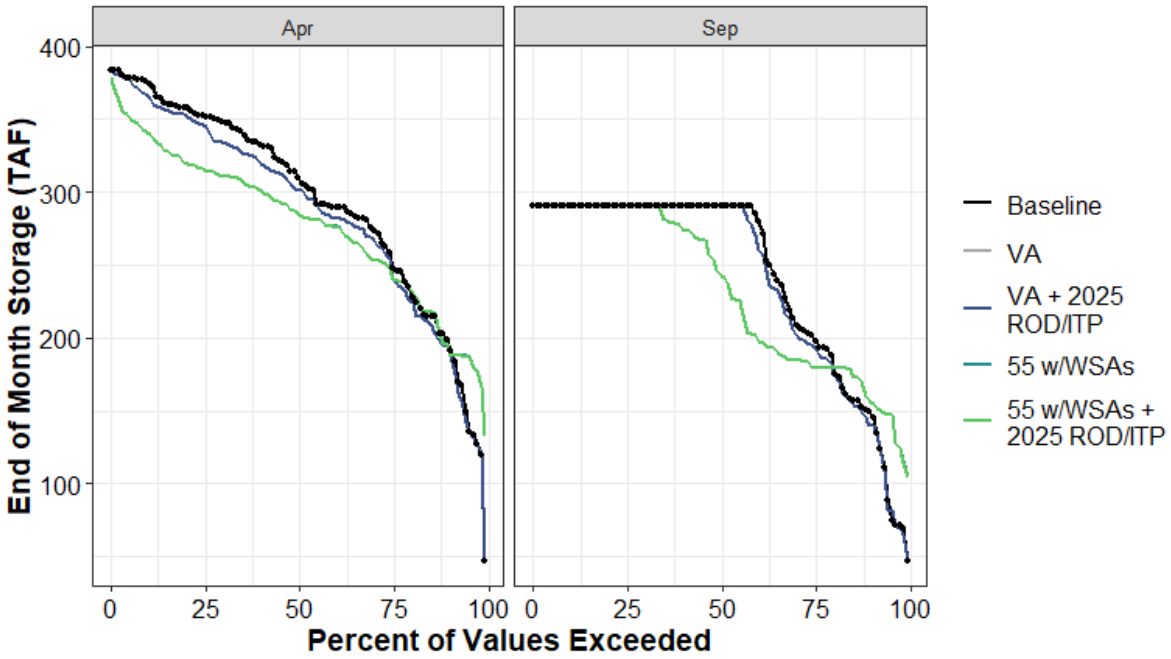

Figure H1a7-77. Camanche Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

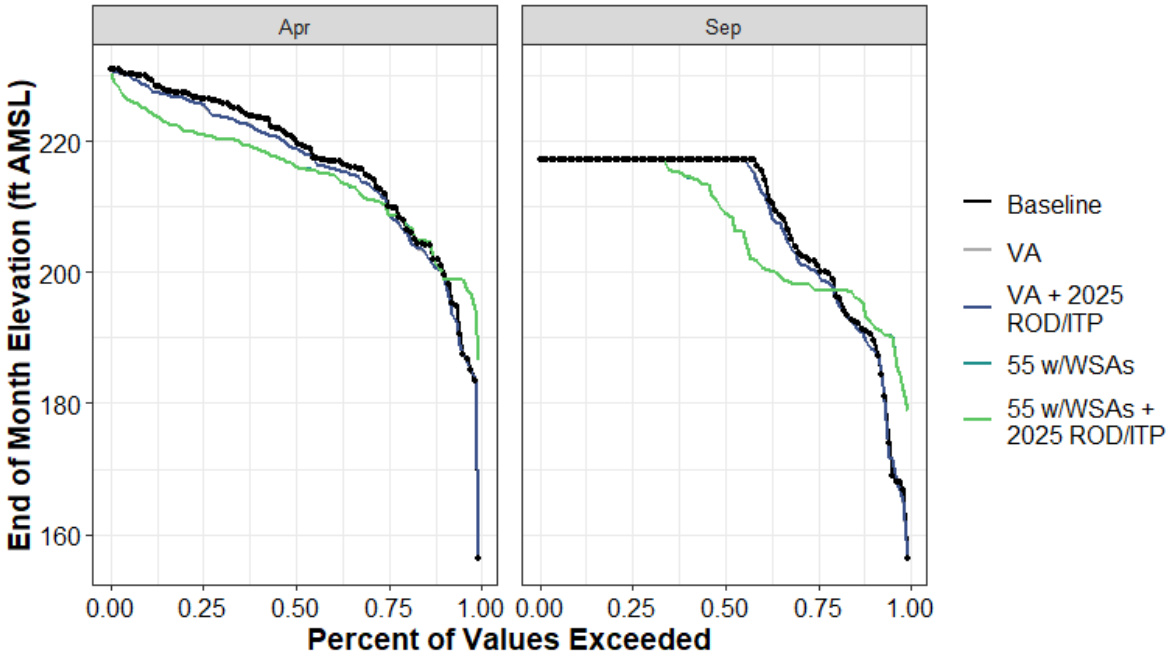

Figure H1a7-78. Camanche Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-157. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Camanche Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	47	0	0	57	57
10%	149	-9	-9	8	8
25%	200	-6	-6	-20	-20
50%	290	0	0	-48	-48
75%	290	0	0	0	0
90%	291	0	0	0	0
100%	291	0	0	0	0
Mean	243	-3	-3	-11	-11

Table H1a7-158. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Camanche Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	156	0	0	23	23
10%	190	-2	-2	2	2
25%	201	-1	-1	-4	-4
50%	217	0	0	-8	-8
75%	217	0	0	0	0
90%	217	0	0	0	0
100%	217	0	0	0	0
Mean	208	-1	-1	-1	-1

Table H1a7-159. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Camanche Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	47	0	0	85	85
10%	197	-4	-4	-4	-4
25%	253	-6	-6	-9	-9
50%	310	-8	-9	-25	-25
75%	352	-6	-6	-37	-37
90%	374	-9	-9	-34	-34
100%	383	0	0	-5	-5
Mean	295	-7	-7	-16	-17

Table H1a7-160. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Camanche Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	156	0	0	30	30
10%	201	-1	-1	-1	-1
25%	211	-1	-1	-1	-1
50%	220	-1	-1	-4	-4
75%	226	-1	-1	-5	-5
90%	230	-1	-1	-5	-5
100%	231	0	0	-1	-1
Mean	217	-1	-1	-2	-2

H1a7.5.7 Camp Far West (Bear River Watershed)

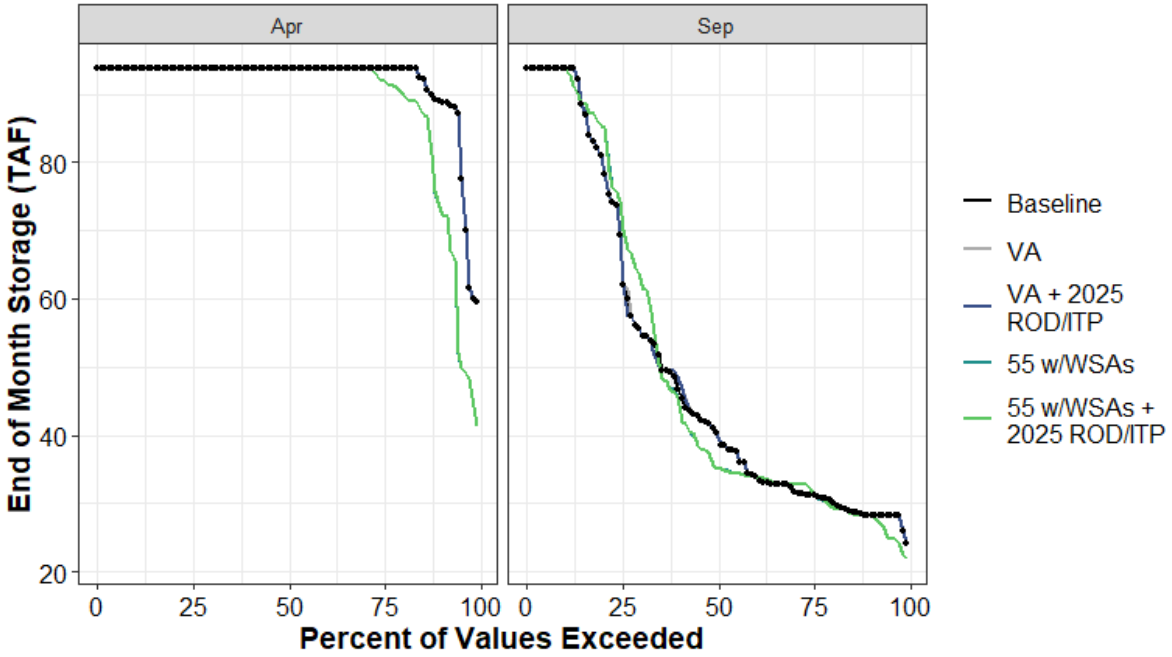

Figure H1a7-79. Camp Far West End of April and End of September Storage (TAF) Percent Exceedance Plot

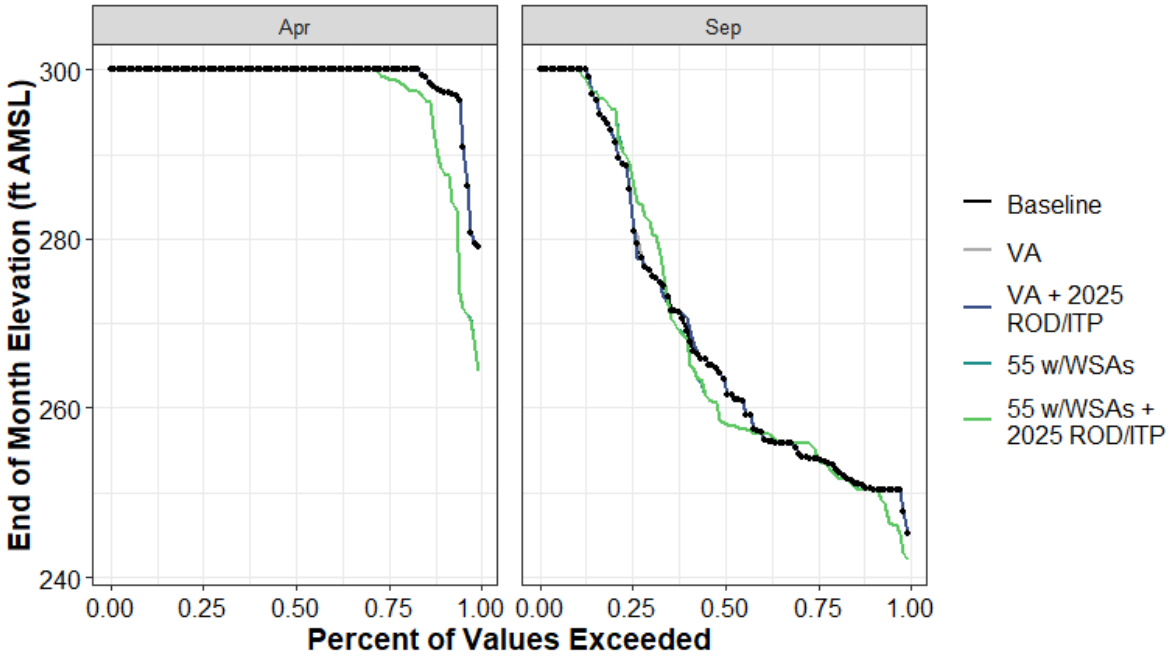

Figure H1a7-80. Camp Far West Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-161. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Camp Far West

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	24	0	0	-2	-2
10%	28	0	0	0	0
25%	31	0	0	1	1
50%	40	0	0	-5	-5
75%	66	0	0	6	6
90%	94	0	0	0	0
100%	94	0	0	0	0
Mean	50	0	0	0	0

Table H1a7-162. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Camp Far West

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	245	0	0	-3	-3
10%	250	0	0	0	0
25%	254	0	0	1	1
50%	263	0	0	-5	-5
75%	283	0	0	4	4
90%	300	0	0	0	0
100%	300	0	0	0	0
Mean	269	0	0	0	0

Table H1a7-163. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Camp Far West

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	60	0	0	-18	-18
10%	89	0	0	-16	-16
25%	94	0	0	-2	-2
50%	94	0	0	0	0
75%	94	0	0	0	0
90%	94	0	0	0	0
100%	94	0	0	0	0
Mean	92	0	0	-3	-3

Table H1a7-164. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Camp Far West

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	279	0	0	-15	-15
10%	297	0	0	-9	-9
25%	300	0	0	-1	-1
50%	300	0	0	0	0
75%	300	0	0	0	0
90%	300	0	0	0	0
100%	300	0	0	0	0
Mean	299	0	0	-2	-2

H1a7.5.8 Caples Lake (American River Watershed)

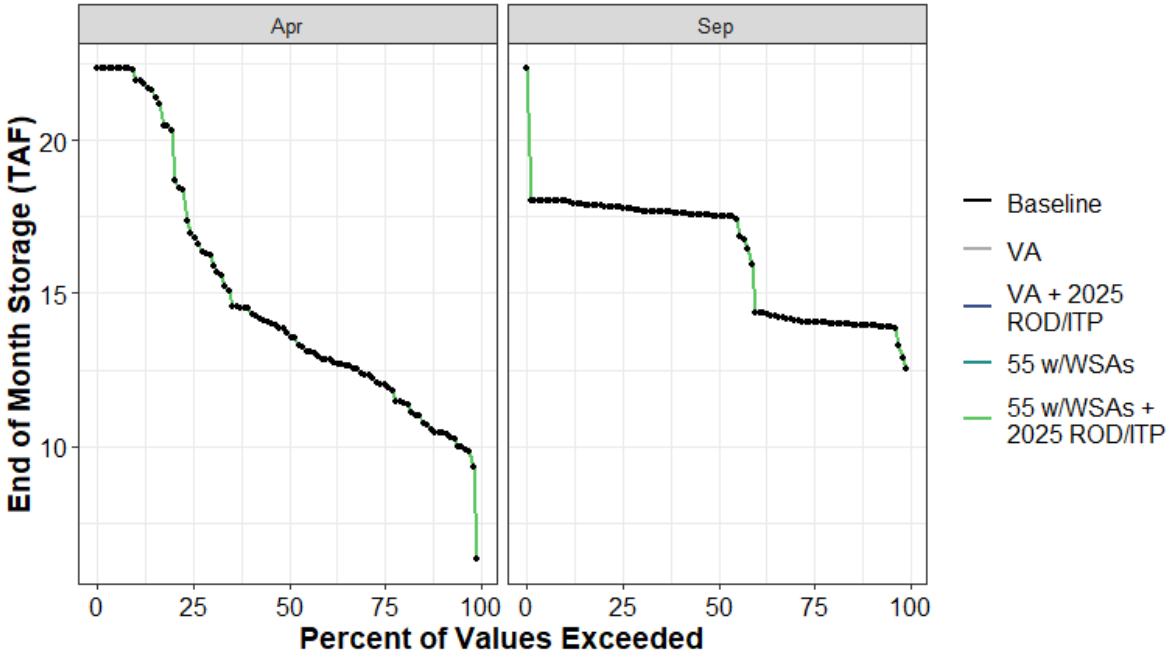

Figure H1a7-81. Caples Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

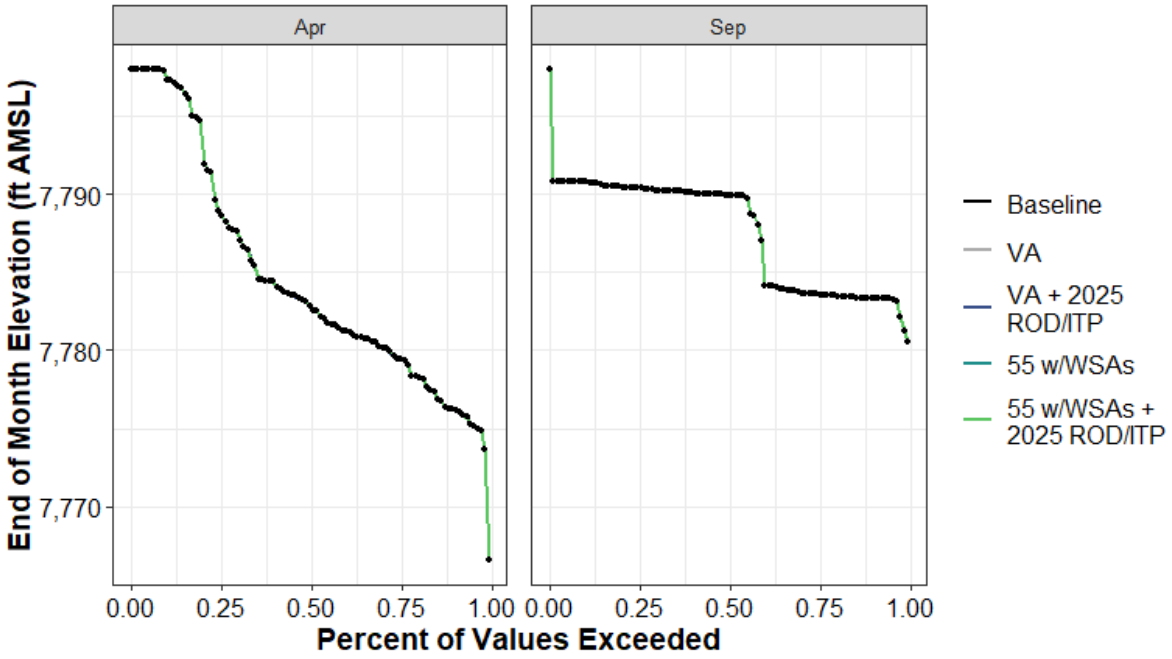

Figure H1a7-82. Caples Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-165. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Caples Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	13	0	0	0	0
10%	14	0	0	0	0
25%	14	0	0	0	0
50%	18	0	0	0	0
75%	18	0	0	0	0
90%	18	0	0	0	0
100%	22	0	0	0	0
Mean	16	0	0	0	0

Table H1a7-166. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Caples Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7,781	0	0	0	0
10%	7,783	0	0	0	0
25%	7,784	0	0	0	0
50%	7,790	0	0	0	0
75%	7,790	0	0	0	0
90%	7,791	0	0	0	0
100%	7,798	0	0	0	0
Mean	7,788	0	0	0	0

Table H1a7-167. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Caples Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6	0	0	0	0
10%	10	0	0	0	0
25%	12	0	0	0	0
50%	14	0	0	0	0
75%	17	0	0	0	0
90%	22	0	0	0	0
100%	22	0	0	0	0
Mean	15	0	0	0	0

Table H1a7-168. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Caples Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7,767	0	0	0	0
10%	7,776	0	0	0	0
25%	7,779	0	0	0	0
50%	7,783	0	0	0	0
75%	7,789	0	0	0	0
90%	7,797	0	0	0	0
100%	7,798	0	0	0	0
Mean	7,785	0	0	0	0

H1a7.5.9 Clear Lake (Cache Creek Watershed)

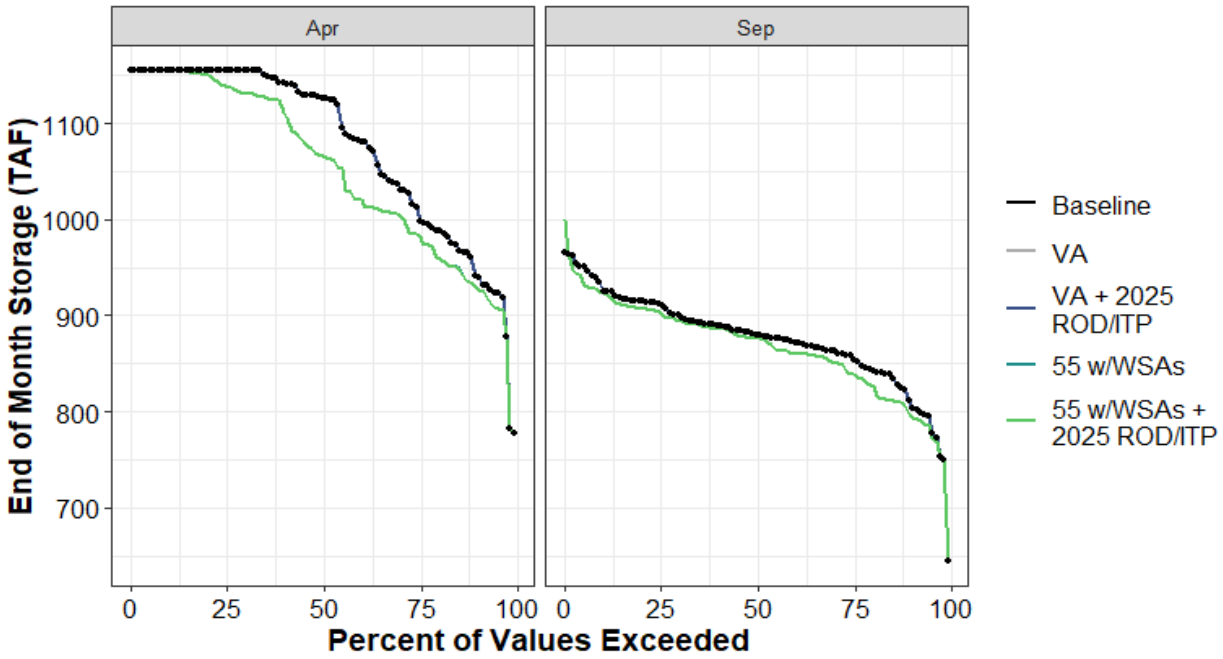

Figure H1a7-83. Clear Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

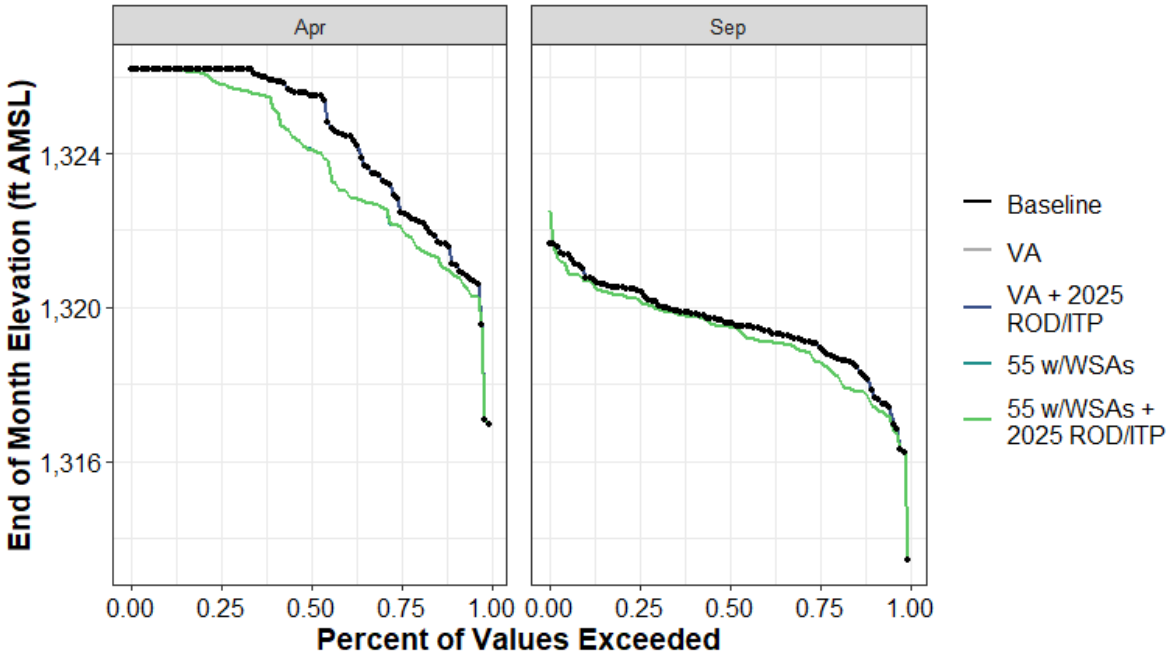

Figure H1a7-84. Clear Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-169. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Clear Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	645	0	0	-1	-1
10%	810	0	0	-14	-14
25%	856	0	0	-17	-17
50%	880	0	0	-4	-4
75%	911	0	0	-9	-9
90%	928	0	0	-5	-5
100%	965	0	0	35	35
Mean	876	0	0	-9	-9

Table H1a7-170. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Clear Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,313	0	0	0	0
10%	1,318	0	0	0	0
25%	1,319	0	0	0	0
50%	1,320	0	0	0	0
75%	1,320	0	0	0	0
90%	1,321	0	0	0	0
100%	1,322	0	0	1	1
Mean	1,319	0	0	0	0

Table H1a7-171. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Clear Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	777	0	0	0	0
10%	941	0	0	-11	-11
25%	1,005	0	0	-22	-22
50%	1,126	0	0	-60	-60
75%	1,155	0	0	-17	-17
90%	1,155	0	0	0	0
100%	1,155	0	0	0	0
Mean	1,078	0	0	-25	-25

Table H1a7-172. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Clear Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,317	0	0	0	0
10%	1,321	0	0	0	0
25%	1,323	0	0	-1	-1
50%	1,326	0	0	-1	-1
75%	1,326	0	0	0	0
90%	1,326	0	0	0	0
100%	1,326	0	0	0	0
Mean	1,324	0	0	-1	-1

H1a7.5.10 CVP San Luis Reservoir (South of Delta Offstream)

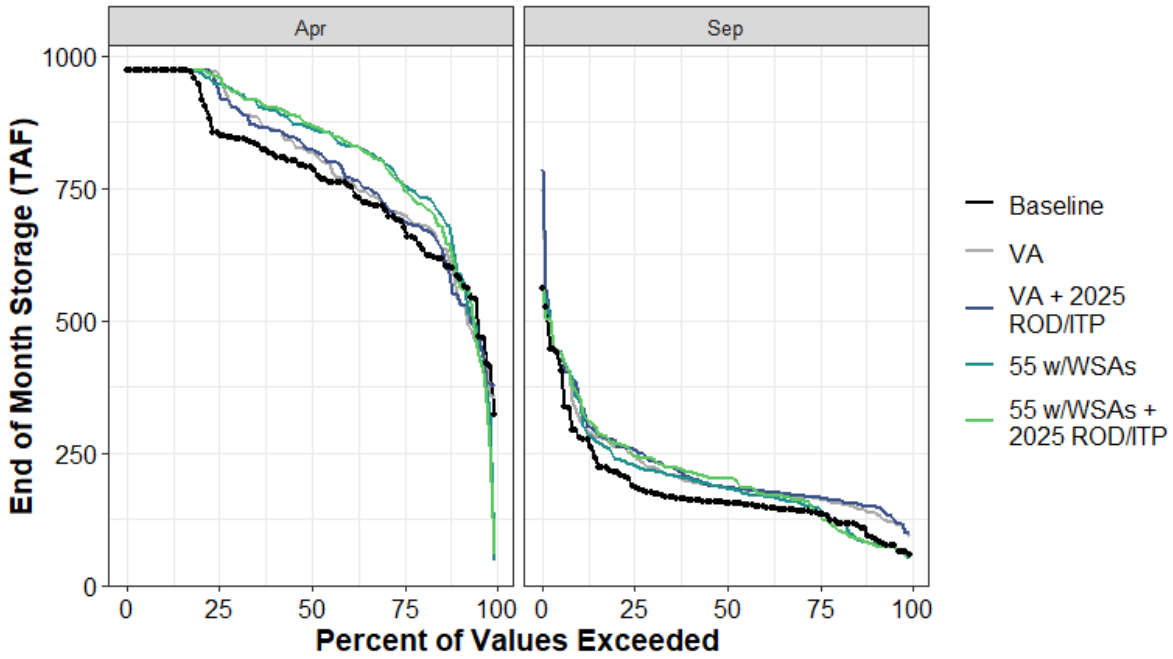

Figure H1a7-85. CVP San Luis Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-173. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for CVP San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	57	38	42	-4	-3
10%	89	48	60	-10	-11
25%	135	28	31	12	2
50%	156	28	29	28	45
75%	185	59	72	41	58
90%	282	34	72	68	77
100%	560	185	225	0	0
Mean	178	39	46	22	30

Table H1a7-174. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for CVP San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	323	33	52	-277	-264
10%	583	-40	-38	7	-3
25%	683	18	7	73	72
50%	791	27	32	75	79
75%	851	113	78	95	108
90%	972	0	0	0	0
100%	972	0	0	0	0
Mean	771	22	22	52	50

H1a7.5.11 East Park Reservoir (Stony Creek Watershed)

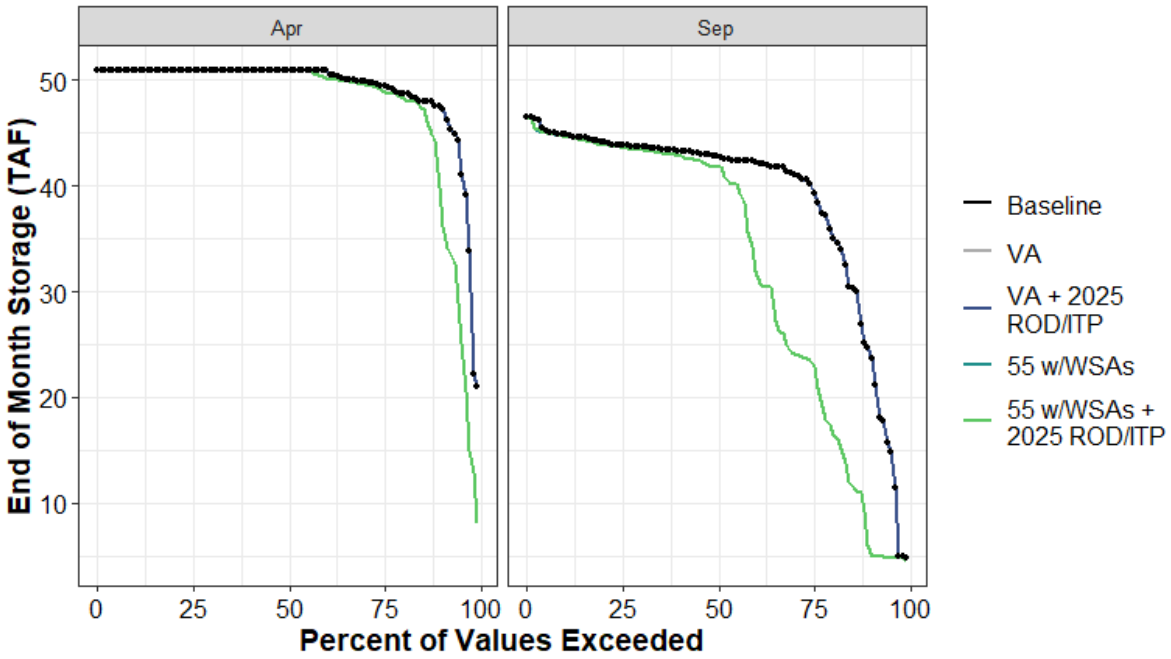

Figure H1a7-86. East Park Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

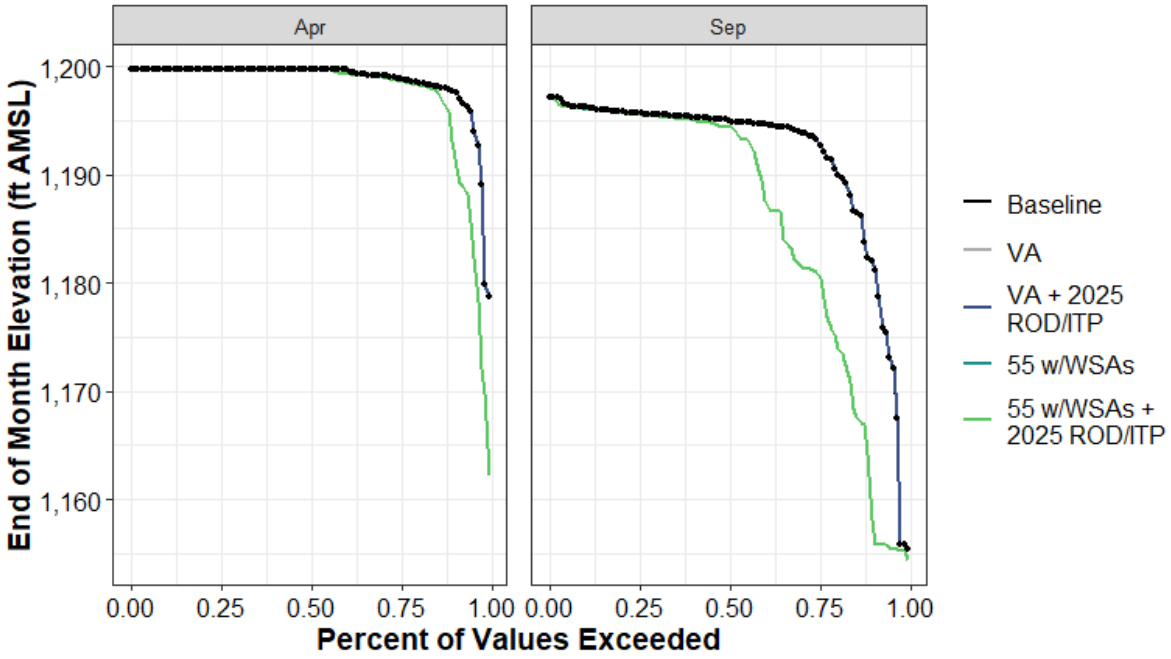

Figure H1a7-87. East Park Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-175. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for East Park Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5	0	0	0	0
10%	25	0	0	-19	-19
25%	40	0	0	-16	-16
50%	43	0	0	-1	-1
75%	44	0	0	0	0
90%	45	0	0	0	0
100%	46	0	0	0	0
Mean	39	0	0	-6	-6

Table H1a7-176. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for East Park Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,155	0	0	-1	-1
10%	1,182	0	0	-24	-24
25%	1,193	0	0	-12	-12
50%	1,195	0	0	-1	-1
75%	1,196	0	0	0	0
90%	1,196	0	0	0	0
100%	1,197	0	0	0	0
Mean	1,192	0	0	-6	-6

Table H1a7-177. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for East Park Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	21	0	0	-13	-13
10%	47	0	0	-8	-8
25%	49	0	0	0	0
50%	51	0	0	0	0
75%	51	0	0	0	0
90%	51	0	0	0	0
100%	51	0	0	0	0
Mean	49	0	0	-2	-2

Table H1a7-178. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for East Park Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,179	0	0	-17	-17
10%	1,198	0	0	-5	-5
25%	1,199	0	0	0	0
50%	1,200	0	0	0	0
75%	1,200	0	0	0	0
90%	1,200	0	0	0	0
100%	1,200	0	0	0	0
Mean	1,199	0	0	-1	-1

H1a7.5.12 Folsom Lake (American River Watershed)

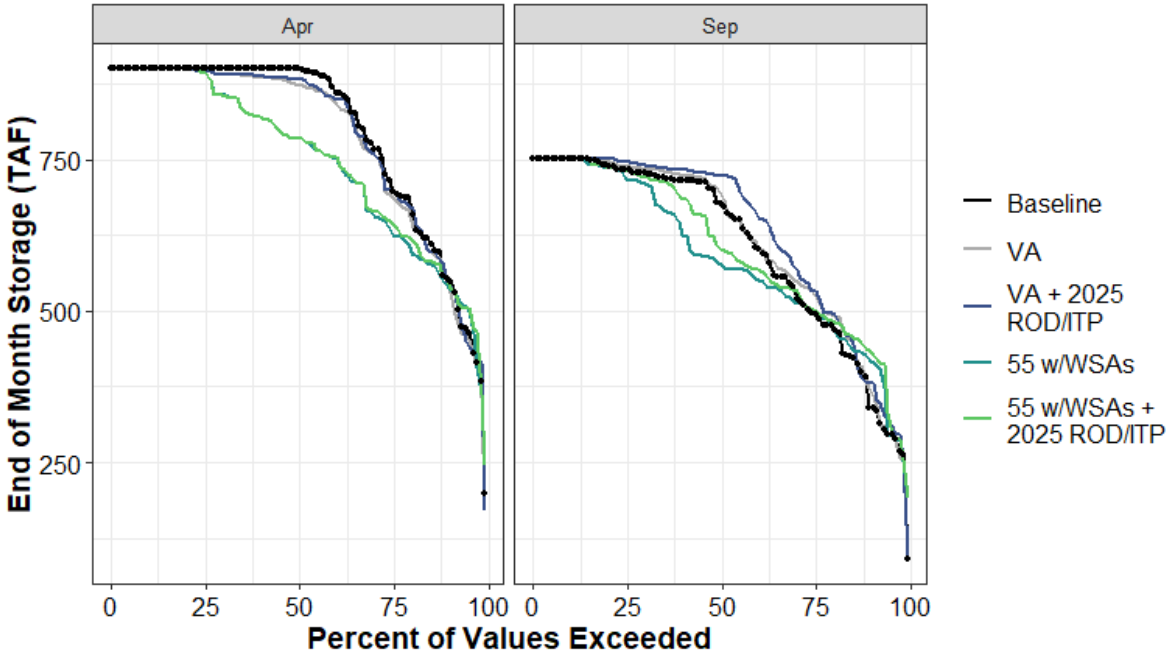

Figure H1a7-88. Folsom Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

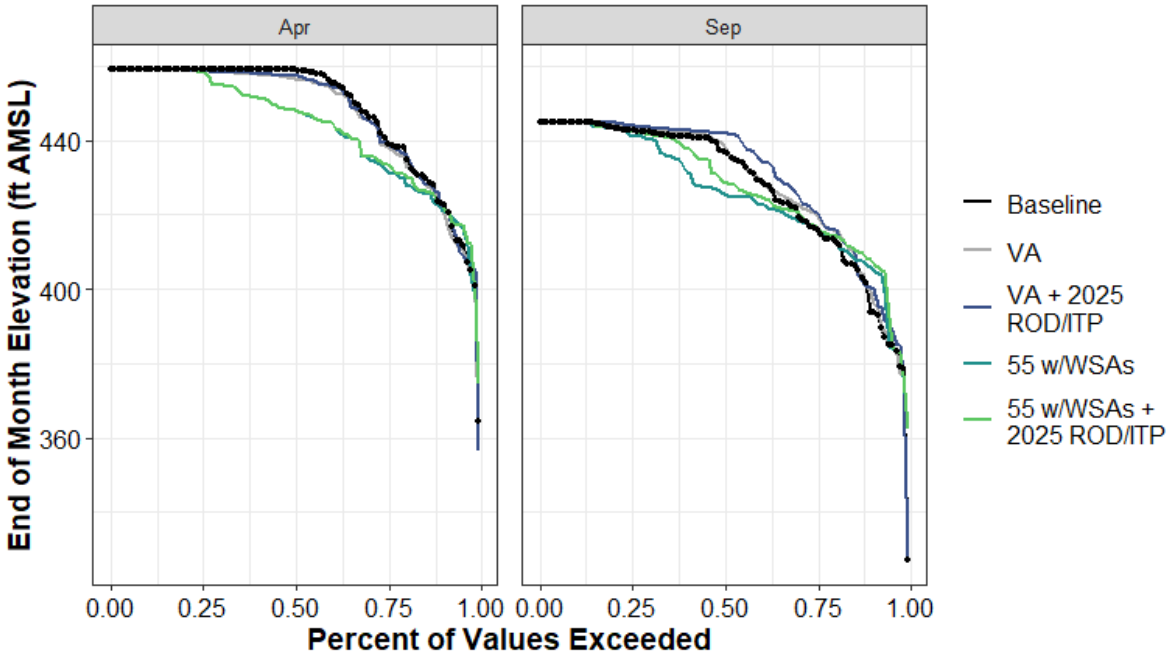

Figure H1a7-89. Folsom Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-179. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Folsom Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	90	0	0	102	102
10%	341	30	40	78	92
25%	497	31	37	1	6
50%	678	16	46	-101	-77
75%	733	5	13	-15	-2
90%	752	0	0	0	0
100%	752	0	0	0	0
Mean	606	9	23	-22	-5

Table H1a7-180. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Folsom Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	327	0	0	35	35
10%	394	5	6	12	14
25%	416	4	5	0	1
50%	437	2	5	-11	-8
75%	443	1	1	-2	0
90%	445	0	0	0	0
100%	445	0	0	0	0
Mean	427	1	3	-2	0

Table H1a7-181. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Folsom Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	199	-29	-29	45	45
10%	553	-11	-8	-13	-2
25%	706	-15	-8	-75	-60
50%	900	-27	-17	-114	-114
75%	900	-4	-4	-8	-8
90%	900	0	0	0	0
100%	900	0	0	0	0
Mean	797	-12	-8	-51	-48

Table H1a7-182. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Folsom Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	364	-8	-8	10	10
10%	423	-1	-1	-2	0
25%	440	-2	-1	-8	-6
50%	459	-2	-2	-11	-11
75%	459	0	0	-1	-1
90%	459	0	0	0	0
100%	459	0	0	0	0
Mean	448	-1	-1	-5	-5

H1a7.5.13 French Lake (Yuba River Watershed)

Figure H1a7-90. French Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-183. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for French Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	0	0	0	0	0
10%	0	0	0	0	0
25%	0	0	0	0	0
50%	0	0	0	0	0
75%	0	0	0	0	0
90%	0	0	0	0	0
100%	0	0	0	0	0
Mean	0	0	0	0	0

Table H1a7-184. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for French Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	0	0	0	0	0
10%	0	0	0	0	0
25%	0	0	0	0	0
50%	0	0	0	0	0
75%	0	0	0	0	0
90%	0	0	0	0	0
100%	6	0	1	0	-2
Mean	0	0	0	0	0

H1a7.5.14 French Meadows (American River Watershed)

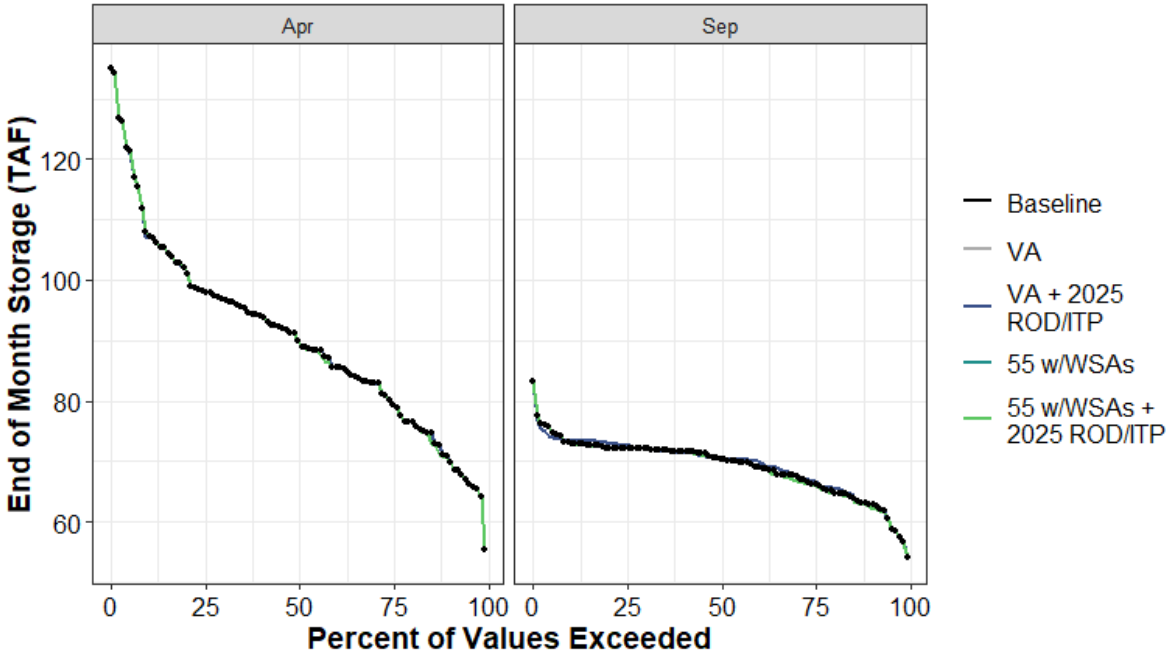

Figure H1a7-91. French Meadows End of April and End of September Storage (TAF) Percent Exceedance Plot

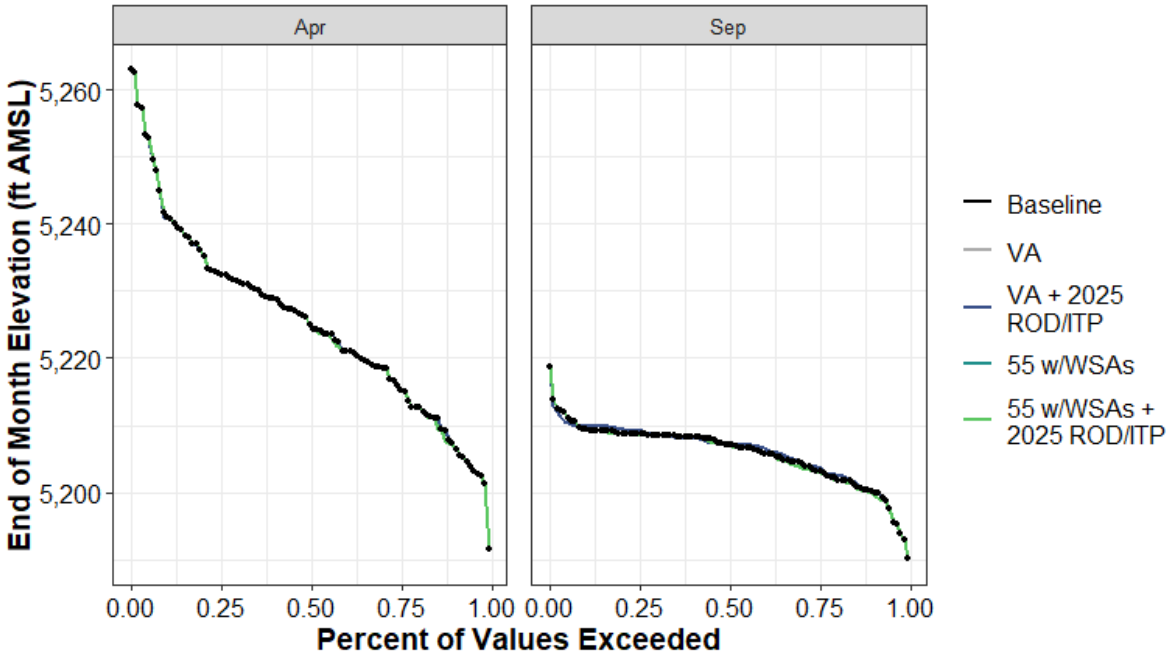

Figure H1a7-92. French Meadows Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-185. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for French Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	54	0	0	0	0
10%	63	0	0	0	0
25%	66	1	1	0	0
50%	70	0	0	0	0
75%	72	1	1	0	0
90%	73	1	1	0	0
100%	83	0	0	0	0
Mean	69	0	0	0	0

Table H1a7-186. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for French Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,190	0	0	0	0
10%	5,200	0	0	0	0
25%	5,203	1	1	0	0
50%	5,207	0	0	0	0
75%	5,209	1	1	0	0
90%	5,209	1	1	0	0
100%	5,219	0	0	0	0
Mean	5,206	0	0	0	0

Table H1a7-187. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for French Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	55	0	0	0	0
10%	71	0	0	0	0
25%	80	0	0	0	0
50%	90	0	0	0	0
75%	98	0	0	0	0
90%	107	0	0	0	0
100%	135	0	0	0	0
Mean	90	0	0	0	0

Table H1a7-188. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for French Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,192	0	0	0	0
10%	5,207	0	0	0	0
25%	5,216	0	0	0	0
50%	5,225	0	0	0	0
75%	5,233	0	0	0	0
90%	5,241	0	0	0	0
100%	5,263	0	0	0	0
Mean	5,225	0	0	0	0

H1a7.5.15 Frenchman Lake (Feather River Watershed)

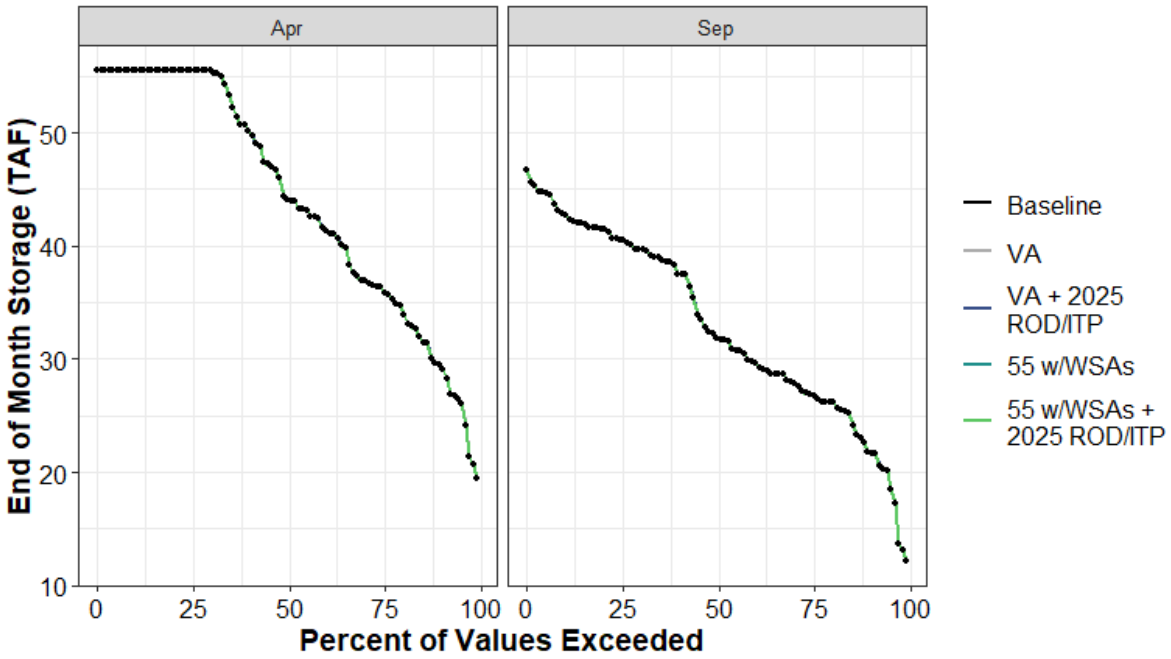

Figure H1a7-93. Frenchman Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

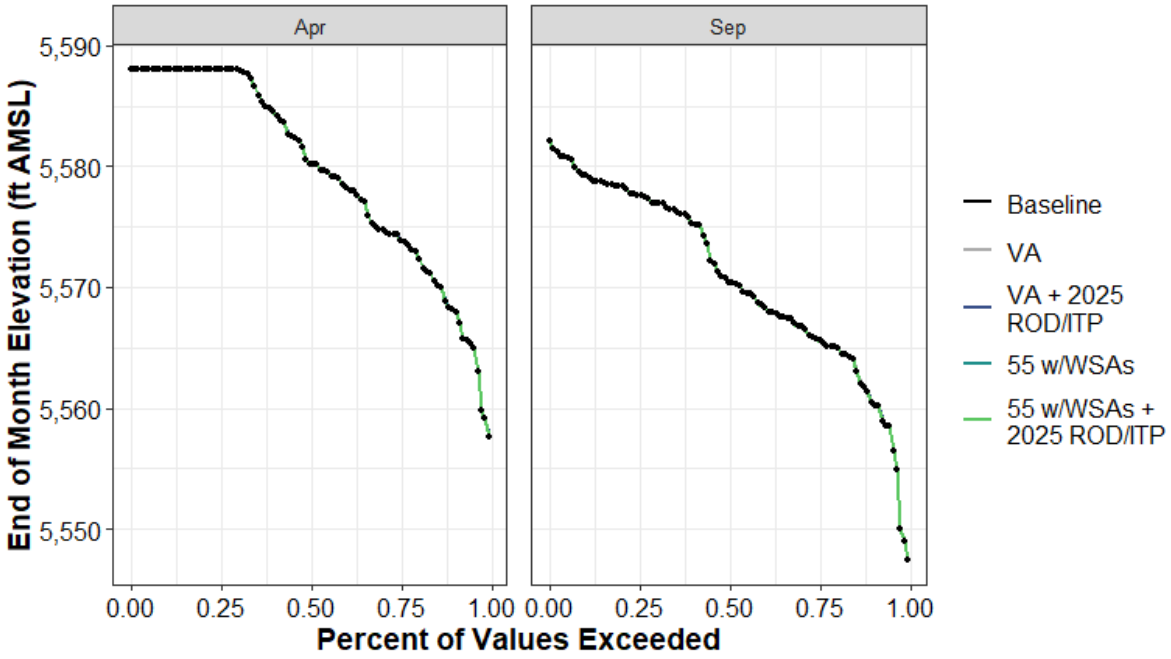

Figure H1a7-94. Frenchman Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-189. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Frenchman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	12	0	0	0	0
10%	22	0	0	0	0
25%	27	0	0	0	0
50%	32	0	0	0	0
75%	41	0	0	0	0
90%	43	0	0	0	0
100%	47	0	0	0	0
Mean	33	0	0	0	0

Table H1a7-190. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Frenchman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,547	0	0	0	0
10%	5,560	0	0	0	0
25%	5,566	0	0	0	0
50%	5,570	0	0	0	0
75%	5,578	0	0	0	0
90%	5,579	0	0	0	0
100%	5,582	0	0	0	0
Mean	5,571	0	0	0	0

Table H1a7-191. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Frenchman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	19	0	0	0	0
10%	29	0	0	0	0
25%	36	0	0	0	0
50%	44	0	0	0	0
75%	55	0	0	0	0
90%	55	0	0	0	0
100%	55	0	0	0	0
Mean	44	0	0	0	0

Table H1a7-192. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Frenchman Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,558	0	0	0	0
10%	5,568	0	0	0	0
25%	5,574	0	0	0	0
50%	5,580	0	0	0	0
75%	5,588	0	0	0	0
90%	5,588	0	0	0	0
100%	5,588	0	0	0	0
Mean	5,580	0	0	0	0

H1a7.5.16 Hell Hole (American River Watershed)

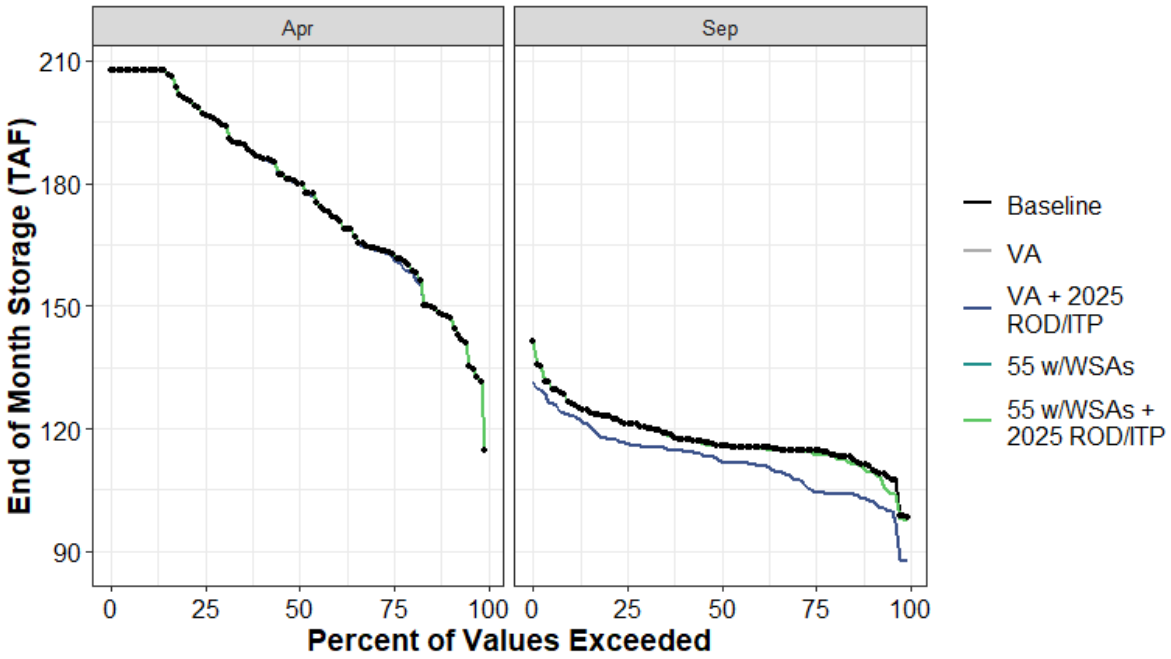

Figure H1a7-95. Hell Hole End of April and End of September Storage (TAF) Percent Exceedance Plot

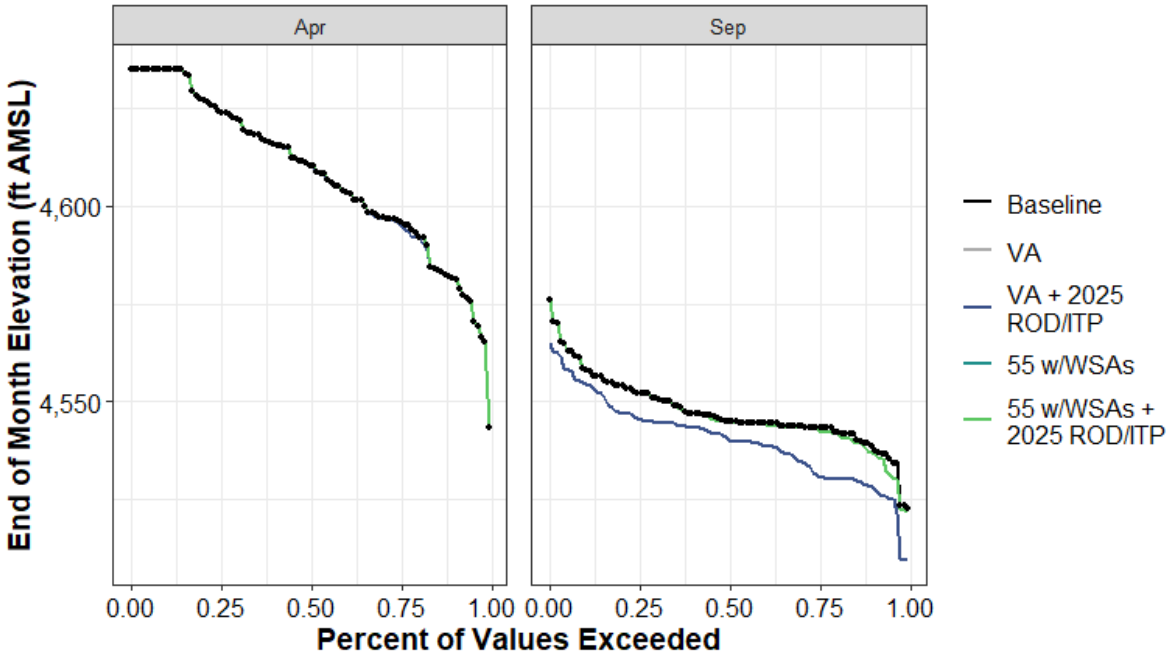

Figure H1a7-96. Hell Hole Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-193. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Hell Hole

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	98	-11	-11	-1	-1
10%	111	-8	-8	-1	-1
25%	115	-10	-10	-1	-1
50%	116	-4	-4	0	0
75%	121	-5	-5	0	0
90%	126	-3	-3	0	0
100%	141	-10	-10	0	0
Mean	118	-6	-6	0	0

Table H1a7-194. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Hell Hole

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,523	-13	-13	-1	-1
10%	4,538	-10	-10	-1	-1
25%	4,543	-12	-12	-1	-1
50%	4,545	-5	-5	0	0
75%	4,552	-7	-7	0	0
90%	4,558	-4	-4	0	0
100%	4,576	-11	-11	0	0
Mean	4,547	-7	-7	0	0

Table H1a7-195. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Hell Hole

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	115	0	0	0	0
10%	147	0	0	0	0
25%	163	-1	-1	0	0
50%	180	0	0	0	0
75%	197	0	0	0	0
90%	208	0	0	0	0
100%	208	0	0	0	0
Mean	178	0	0	0	0

Table H1a7-196. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Hell Hole

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,543	0	0	0	0
10%	4,581	0	0	0	0
25%	4,596	-1	-1	0	0
50%	4,610	0	0	0	0
75%	4,624	0	0	0	0
90%	4,635	0	0	0	0
100%	4,635	0	0	0	0
Mean	4,608	0	0	0	0

H1a7.5.17 Ice House (American River Watershed)

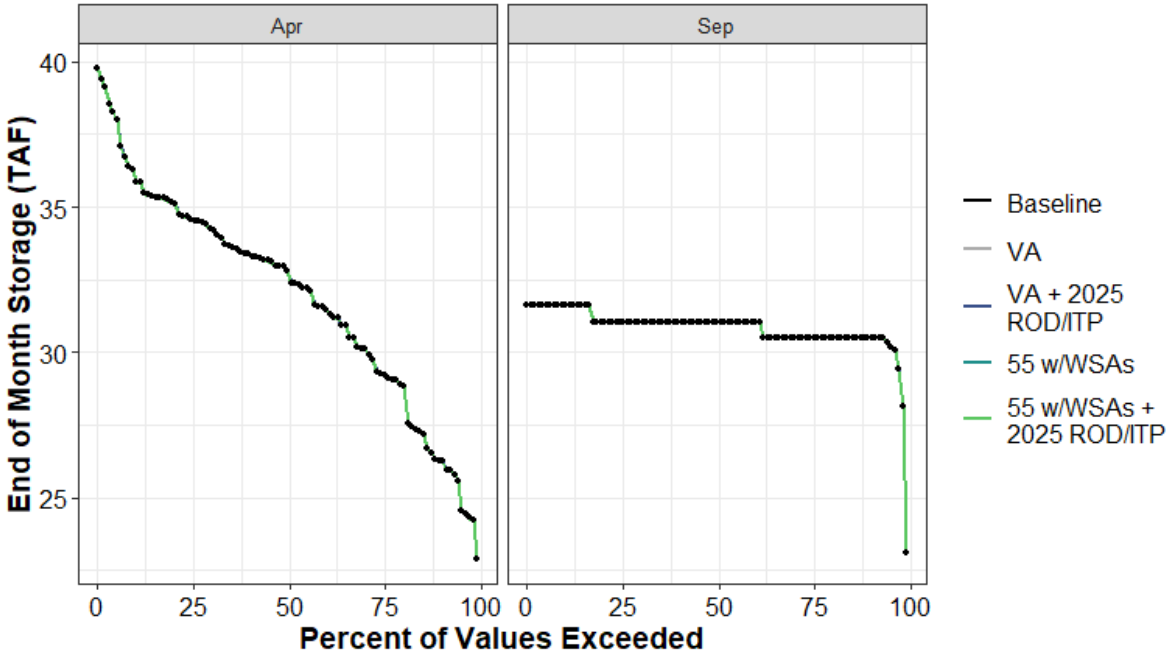

Figure H1a7-97. Ice House End of April and End of September Storage (TAF) Percent Exceedance Plot

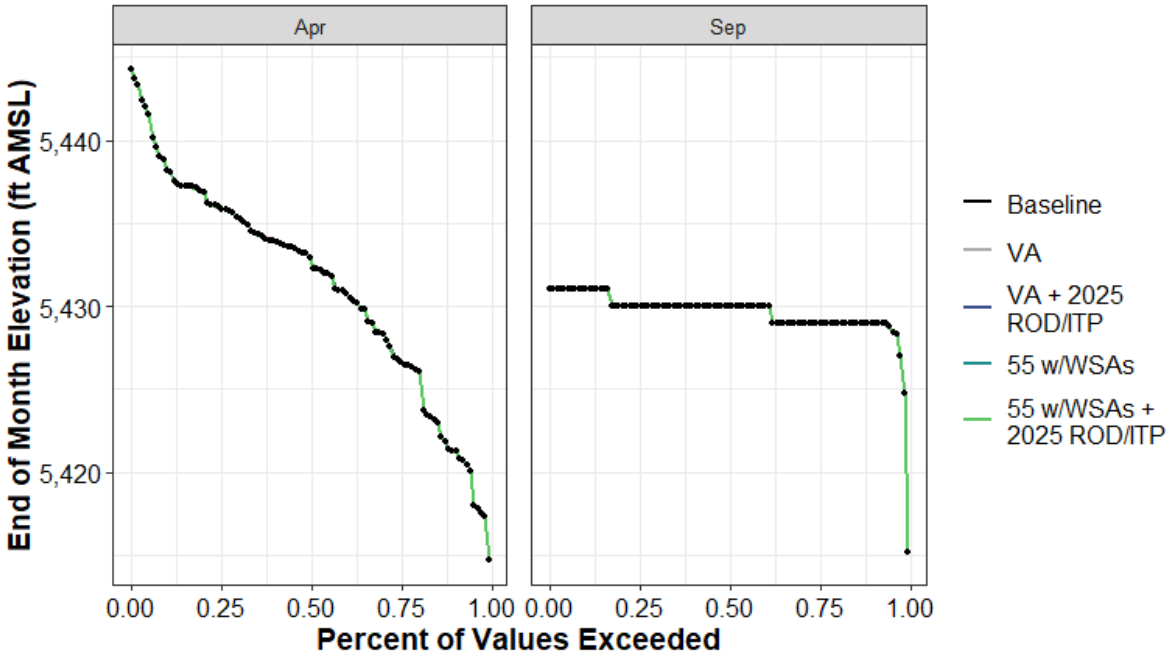

Figure H1a7-98. Ice House Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-197. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Ice House

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	23	0	0	0	0
10%	30	0	0	0	0
25%	30	0	0	0	0
50%	31	0	0	0	0
75%	31	0	0	0	0
90%	32	0	0	0	0
100%	32	0	0	0	0
Mean	31	0	0	0	0

Table H1a7-198. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Ice House

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,415	0	0	0	0
10%	5,429	0	0	0	0
25%	5,429	0	0	0	0
50%	5,430	0	0	0	0
75%	5,430	0	0	0	0
90%	5,431	0	0	0	0
100%	5,431	0	0	0	0
Mean	5,430	0	0	0	0

Table H1a7-199. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Ice House

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	23	0	0	0	0
10%	26	0	0	0	0
25%	29	0	0	0	0
50%	33	0	0	0	0
75%	35	0	0	0	0
90%	36	0	0	0	0
100%	40	0	0	0	0
Mean	32	0	0	0	0

Table H1a7-200. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Ice House

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,415	0	0	0	0
10%	5,421	0	0	0	0
25%	5,427	0	0	0	0
50%	5,433	0	0	0	0
75%	5,436	0	0	0	0
90%	5,438	0	0	0	0
100%	5,444	0	0	0	0
Mean	5,431	0	0	0	0

H1a7.5.18 Indian Valley Reservoir (Cache Creek Watershed)

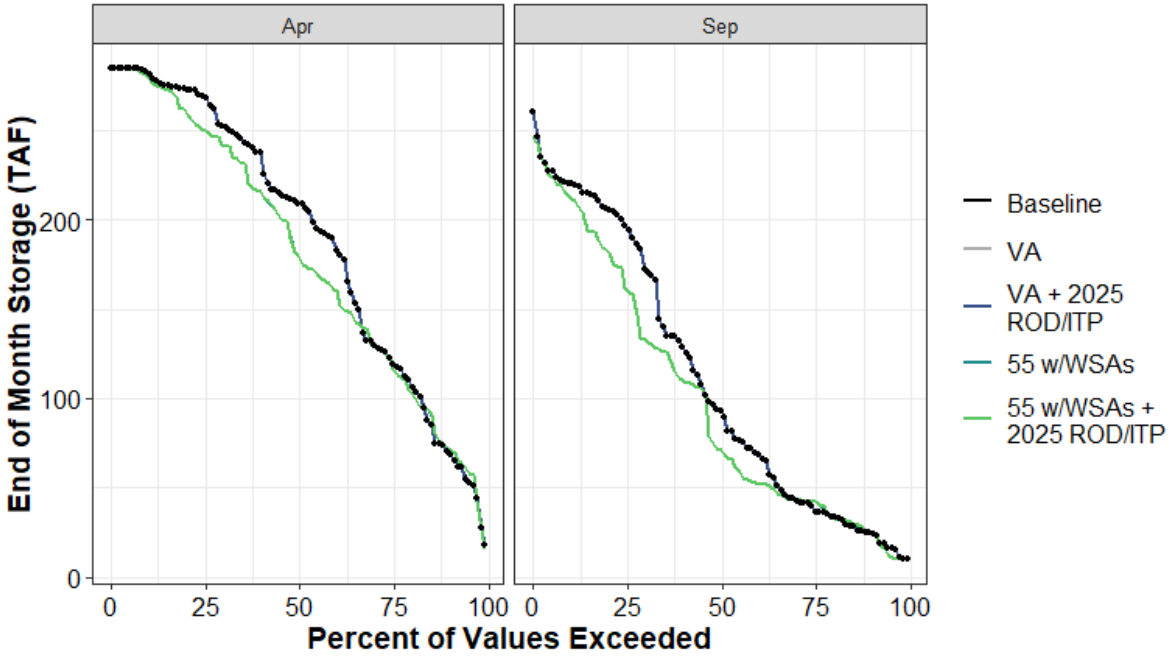

Figure H1a7-99. Indian Valley Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

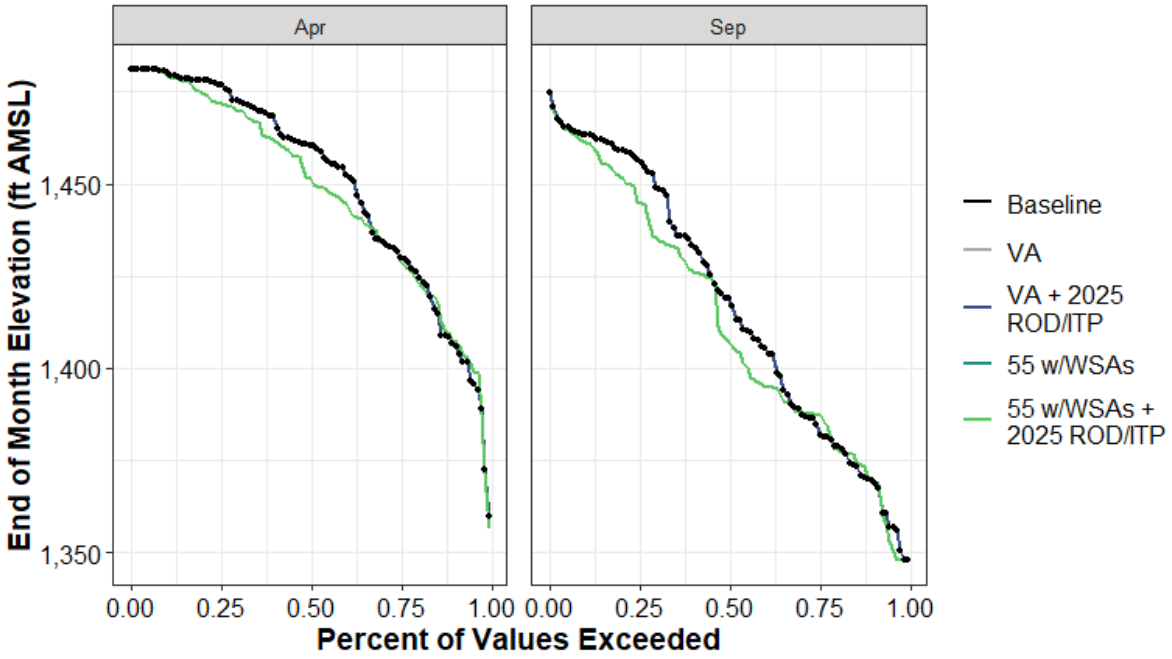

Figure H1a7-100. Indian Valley Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-201. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Indian Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	10	0	0	0	0
10%	25	0	0	0	0
25%	38	0	0	4	4
50%	93	0	0	-22	-22
75%	195	0	0	-35	-35
90%	220	0	0	-8	-8
100%	260	0	0	-14	-14
Mean	111	0	0	-11	-11

Table H1a7-202. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Indian Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,348	0	0	0	0
10%	1,369	0	0	0	0
25%	1,383	0	0	4	4
50%	1,419	0	0	-12	-12
75%	1,456	0	0	-11	-11
90%	1,463	0	0	-2	-2
100%	1,475	0	0	-4	-4
Mean	1,417	0	0	-5	-5

Table H1a7-203. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Indian Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	18	0	0	-2	-2
10%	70	0	0	2	2
25%	121	0	0	-2	-2
50%	209	0	0	-29	-29
75%	269	0	0	-19	-19
90%	282	0	0	-3	-3
100%	284	0	0	0	0
Mean	190	0	0	-9	-9

Table H1a7-204. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Indian Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,360	0	0	-3	-3
10%	1,406	0	0	1	1
25%	1,431	0	0	-1	-1
50%	1,460	0	0	-9	-9
75%	1,477	0	0	-5	-5
90%	1,480	0	0	-1	-1
100%	1,481	0	0	0	0
Mean	1,451	0	0	-3	-3

H1a7.5.19 Jackson Meadows Reservoir (Yuba River Watershed)

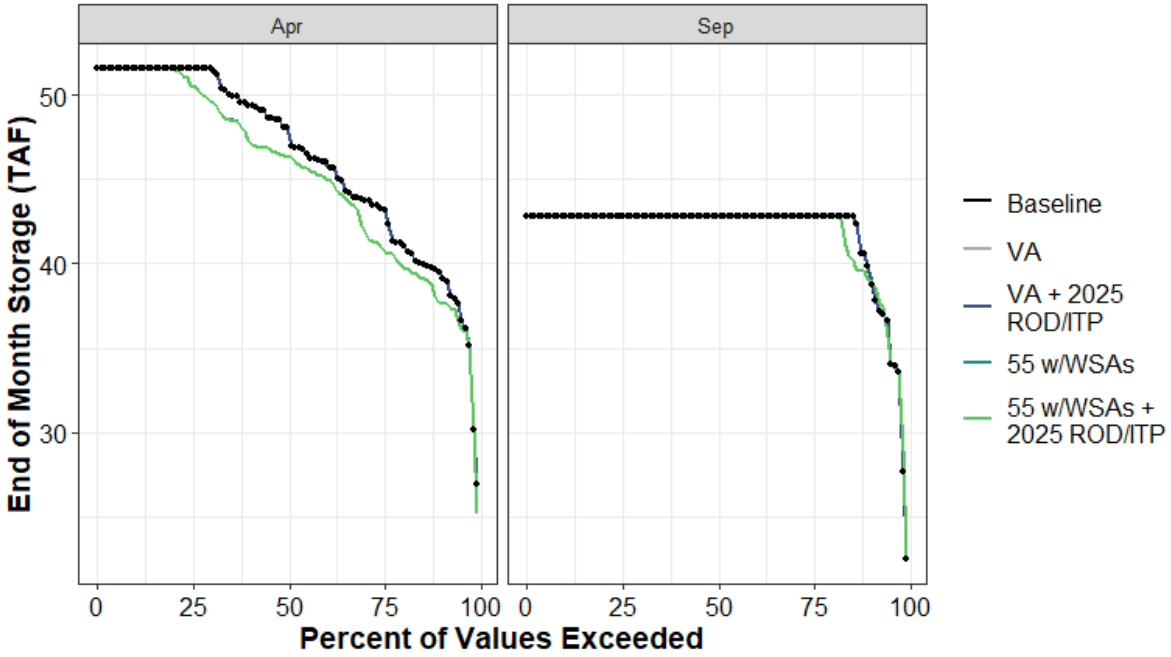

Figure H1a7-101. Jackson Meadows Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

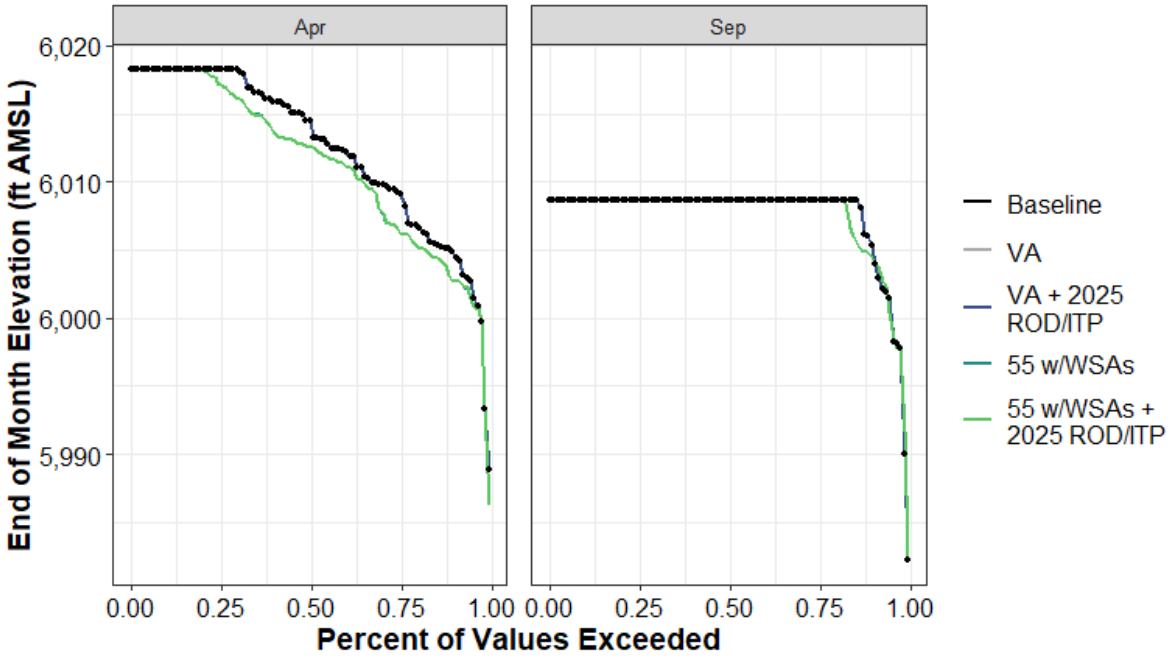

Figure H1a7-102. Jackson Meadows Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-205. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Jackson Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	22	0	0	0	0
10%	40	0	0	-1	-1
25%	43	0	0	0	0
50%	43	0	0	0	0
75%	43	0	0	0	0
90%	43	0	0	0	0
100%	43	0	0	0	0
Mean	42	0	0	0	0

Table H1a7-206. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Jackson Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,982	0	0	0	0
10%	6,005	0	0	-1	-1
25%	6,009	0	0	0	0
50%	6,009	0	0	0	0
75%	6,009	0	0	0	0
90%	6,009	0	0	0	0
100%	6,009	0	0	0	0
Mean	6,008	0	0	0	0

Table H1a7-207. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Jackson Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	27	0	0	-2	-2
10%	39	0	0	-2	-2
25%	43	0	0	-2	-2
50%	48	0	0	-2	-2
75%	52	0	0	-1	-1
90%	52	0	0	0	0
100%	52	0	0	0	0
Mean	46	0	0	-1	-1

Table H1a7-208. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Jackson Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,989	0	0	-3	-3
10%	6,005	0	0	-2	-2
25%	6,009	0	0	-3	-3
50%	6,014	0	0	-2	-2
75%	6,018	0	0	-1	-1
90%	6,018	0	0	0	0
100%	6,018	0	0	0	0
Mean	6,012	0	0	-1	-1

H1a7.5.20 Jenkinson Lake (Cosumnes River Watershed)

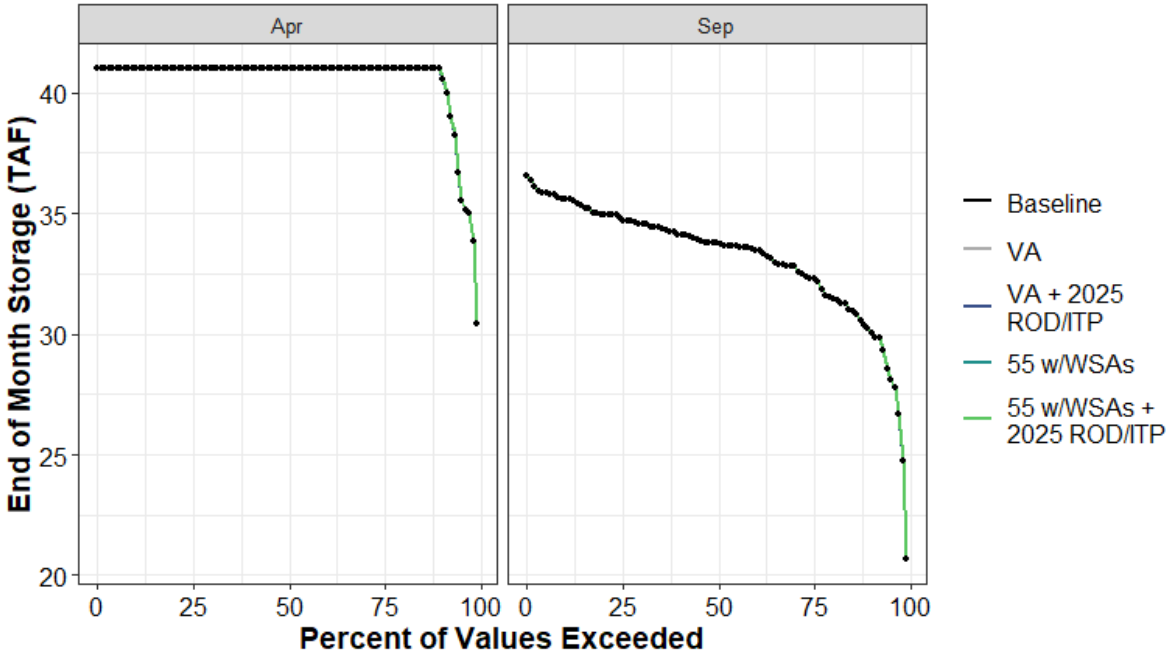

Figure H1a7-103. Jenkinson Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-209. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Jenkinson Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	21	0	0	0	0
10%	30	0	0	0	0
25%	32	0	0	0	0
50%	34	0	0	0	0
75%	35	0	0	0	0
90%	36	0	0	0	0
100%	37	0	0	0	0
Mean	33	0	0	0	0

Table H1a7-210. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Jenkinson Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	30	0	0	0	0
10%	41	0	0	0	0
25%	41	0	0	0	0
50%	41	0	0	0	0
75%	41	0	0	0	0
90%	41	0	0	0	0
100%	41	0	0	0	0
Mean	41	0	0	0	0

H1a7.5.21 Lake Almanor (Feather River Watershed)

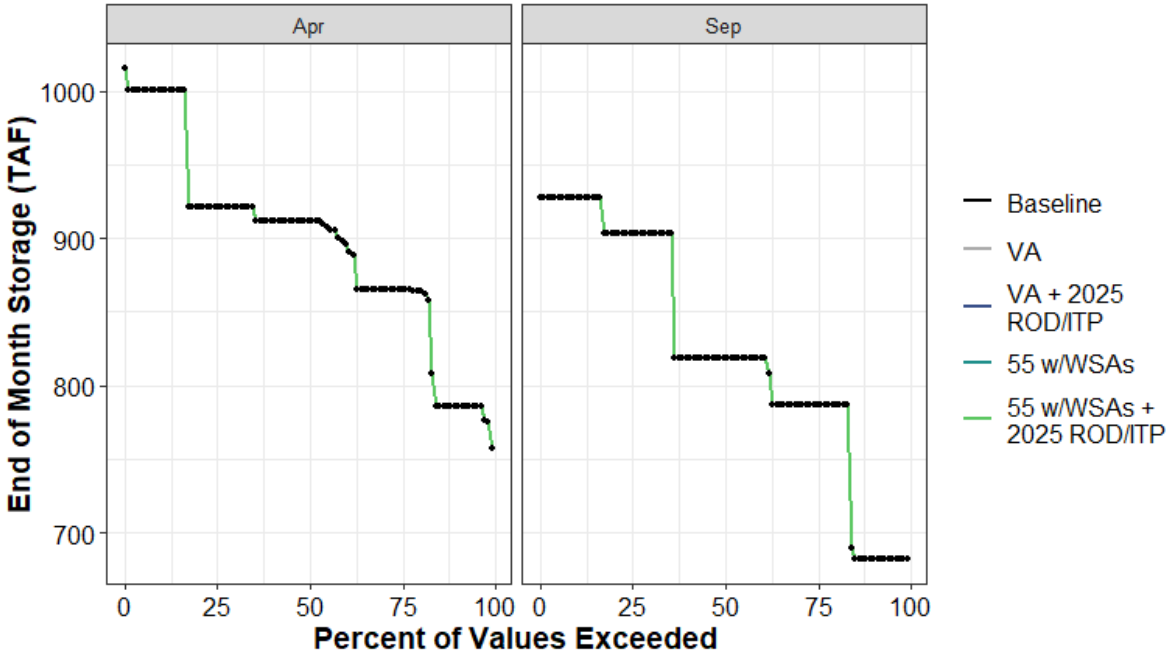

Figure H1a7-104. Lake Almanor End of April and End of September Storage (TAF) Percent Exceedance Plot

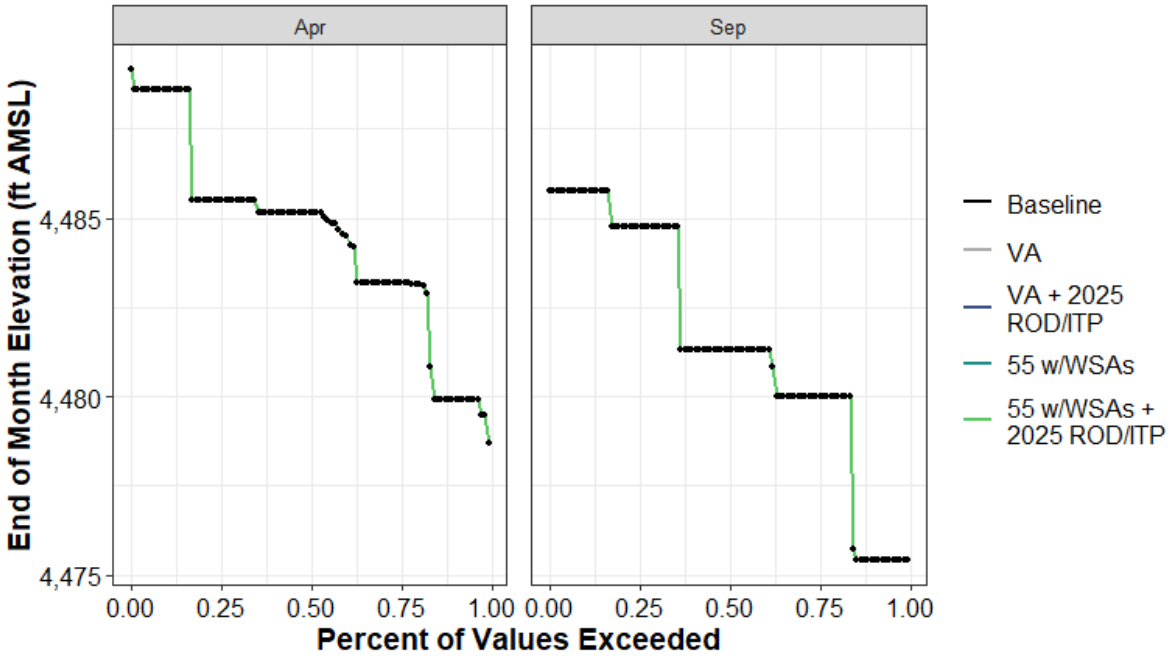

Figure H1a7-105. Lake Almanor Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-211. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Almanor

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	682	0	0	0	0
10%	682	0	0	0	0
25%	787	0	0	0	0
50%	819	0	0	0	0
75%	903	0	0	0	0
90%	928	0	0	0	0
100%	928	0	0	0	0
Mean	825	0	0	0	0

Table H1a7-212. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Almanor

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,475	0	0	0	0
10%	4,475	0	0	0	0
25%	4,480	0	0	0	0
50%	4,481	0	0	0	0
75%	4,485	0	0	0	0
90%	4,486	0	0	0	0
100%	4,486	0	0	0	0
Mean	4,482	0	0	0	0

Table H1a7-213. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Almanor

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	757	0	0	0	0
10%	786	0	0	0	0
25%	865	0	0	0	0
50%	912	0	0	0	0
75%	921	0	0	0	0
90%	1,001	0	0	0	0
100%	1,015	0	0	0	0
Mean	896	0	0	0	0

Table H1a7-214. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Almanor

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,479	0	0	0	0
10%	4,480	0	0	0	0
25%	4,483	0	0	0	0
50%	4,485	0	0	0	0
75%	4,485	0	0	0	0
90%	4,489	0	0	0	0
100%	4,489	0	0	0	0
Mean	4,484	0	0	0	0

H1a7.5.22 Lake Aloha (American River Watershed)

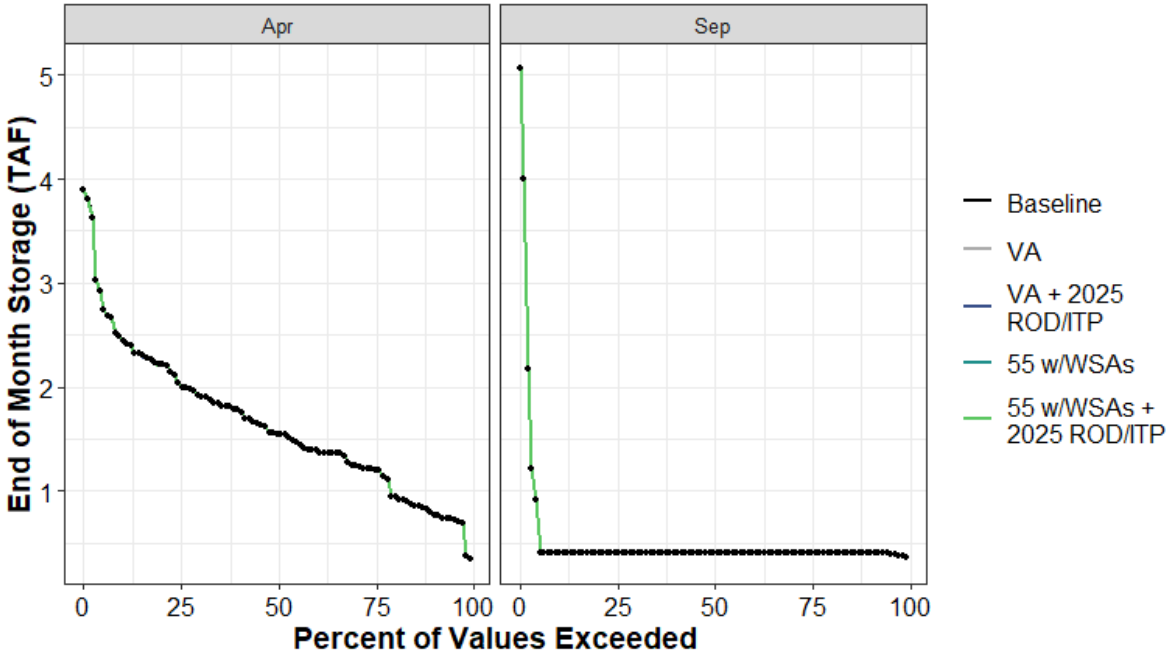

Figure H1a7-106. Lake Aloha End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-215. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Aloha

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	0	0	0	0	0
10%	0	0	0	0	0
25%	0	0	0	0	0
50%	0	0	0	0	0
75%	0	0	0	0	0
90%	0	0	0	0	0
100%	5	0	0	0	0
Mean	1	0	0	0	0

Table H1a7-216. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Aloha

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	0	0	0	0	0
10%	1	0	0	0	0
25%	1	0	0	0	0
50%	2	0	0	0	0
75%	2	0	0	0	0
90%	2	0	0	0	0
100%	4	0	0	0	0
Mean	2	0	0	0	0

H1a7.5.23 Lake Amador (Mokelumne River Watershed)

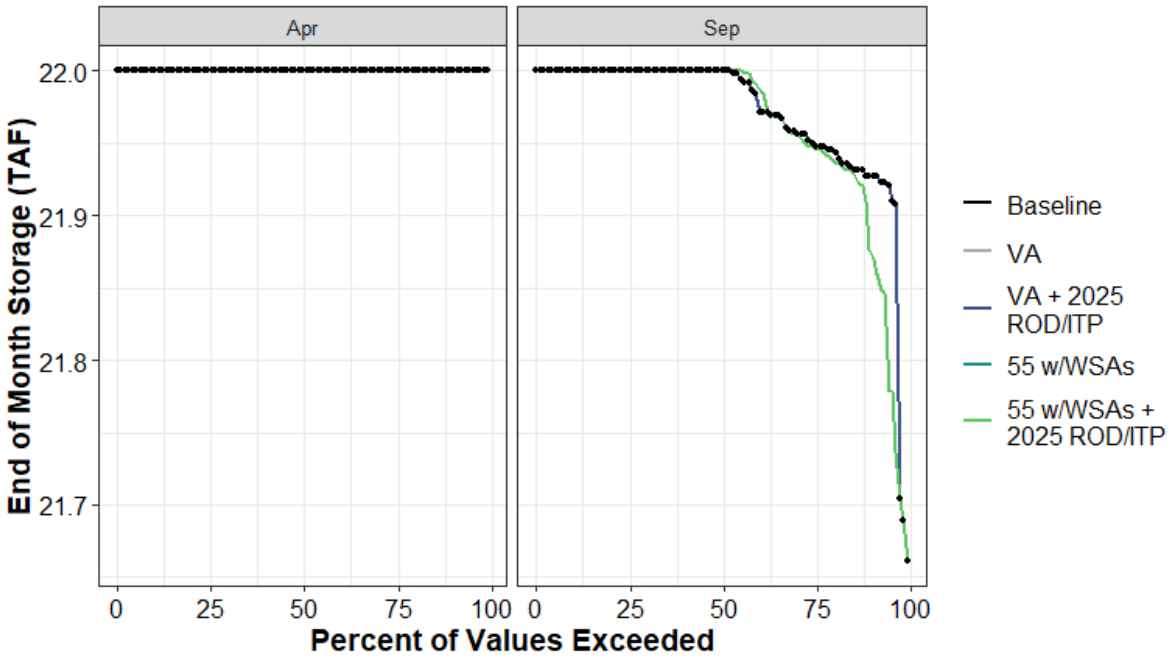

Figure H1a7-107. Lake Amador End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-217. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Amador

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	22	0	0	0	0
10%	22	0	0	0	0
25%	22	0	0	0	0
50%	22	0	0	0	0
75%	22	0	0	0	0
90%	22	0	0	0	0
100%	22	0	0	0	0
Mean	22	0	0	0	0

Table H1a7-218. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Amador

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	22	0	0	0	0
10%	22	0	0	0	0
25%	22	0	0	0	0
50%	22	0	0	0	0
75%	22	0	0	0	0
90%	22	0	0	0	0
100%	22	0	0	0	0
Mean	22	0	0	0	0

H1a7.5.24 Lake Berryessa (Putah Creek Watershed)

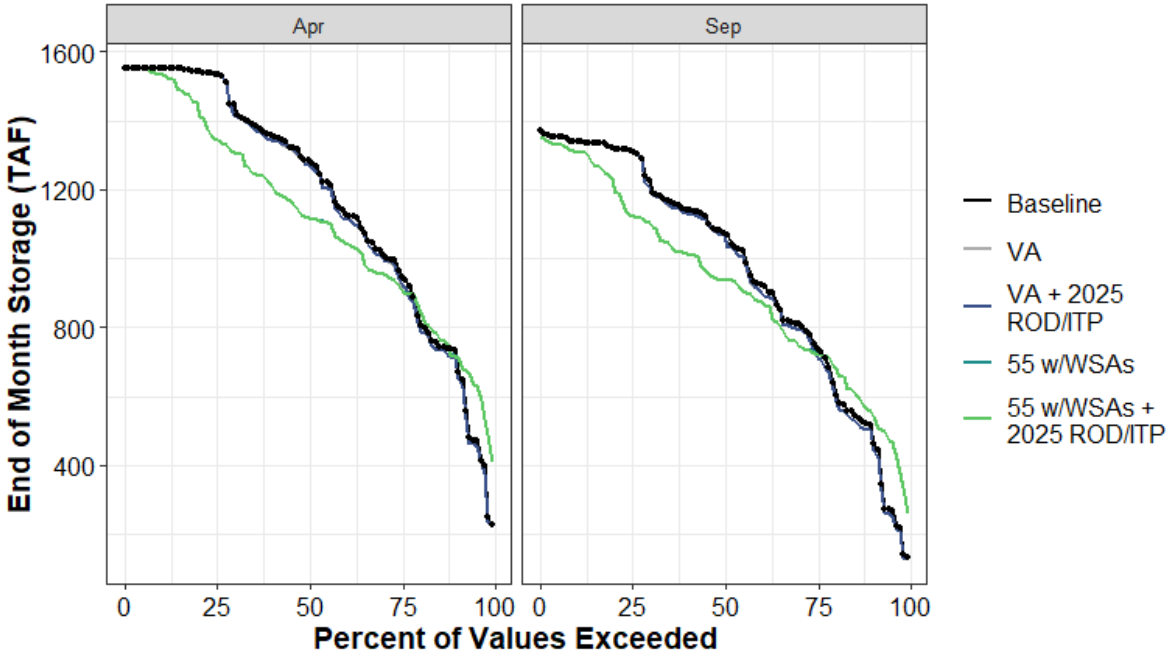

Figure H1a7-108. Lake Berryessa End of April and End of September Storage (TAF) Percent Exceedance Plot

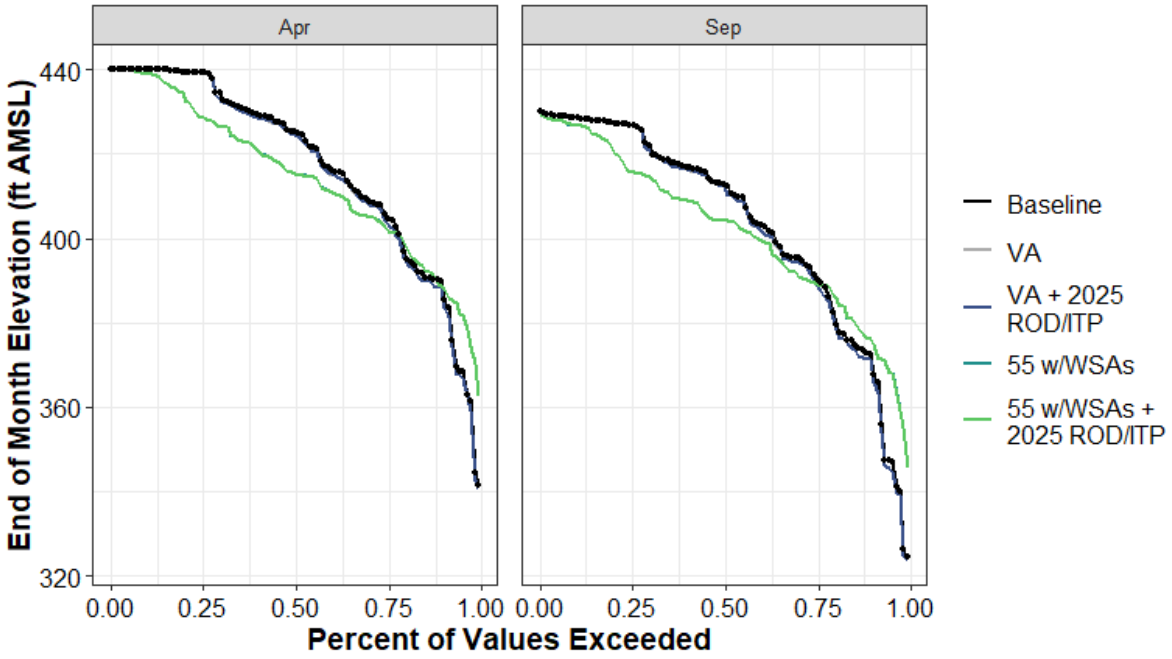

Figure H1a7-109. Lake Berryessa Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-219. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Berryessa

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	130	-3	-3	129	129
10%	505	-14	-14	50	50
25%	744	-24	-24	-20	-20
50%	1,074	-7	-6	-135	-135
75%	1,312	0	0	-189	-189
90%	1,342	0	0	-31	-31
100%	1,370	0	0	-14	-14
Mean	969	-10	-10	-43	-43

Table H1a7-220. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Berryessa

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	324	-1	-1	21	21
10%	372	-1	-1	4	4
25%	391	-2	-2	-1	-1
50%	413	0	0	-9	-9
75%	427	0	0	-11	-11
90%	428	0	0	-2	-2
100%	430	0	0	-1	-1
Mean	403	-1	-1	-2	-2

Table H1a7-221. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Berryessa

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	227	-6	-6	183	183
10%	720	-21	-21	-3	-4
25%	955	-23	-23	-44	-44
50%	1,287	-12	-13	-167	-167
75%	1,536	-1	-1	-192	-192
90%	1,551	0	0	-19	-19
100%	1,551	0	0	0	0
Mean	1,178	-11	-11	-59	-59

Table H1a7-222. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Berryessa

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	341	-1	-1	21	21
10%	389	-2	-2	0	0
25%	405	-2	-2	-3	-3
50%	425	-1	-1	-10	-10
75%	439	0	0	-11	-11
90%	440	0	0	-1	-1
100%	440	0	0	0	0
Mean	417	-1	-1	-3	-3

H1a7.5.25 Lake Davis (Feather River Watershed)

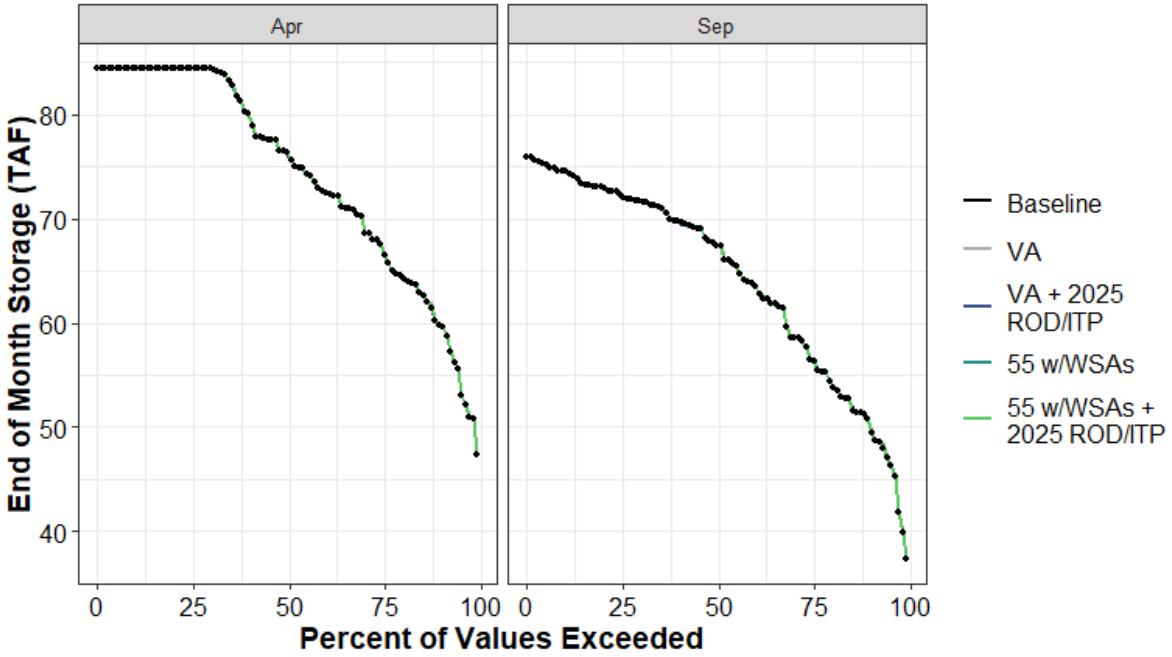

Figure H1a7-110. Lake Davis End of April and End of September Storage (TAF) Percent Exceedance Plot

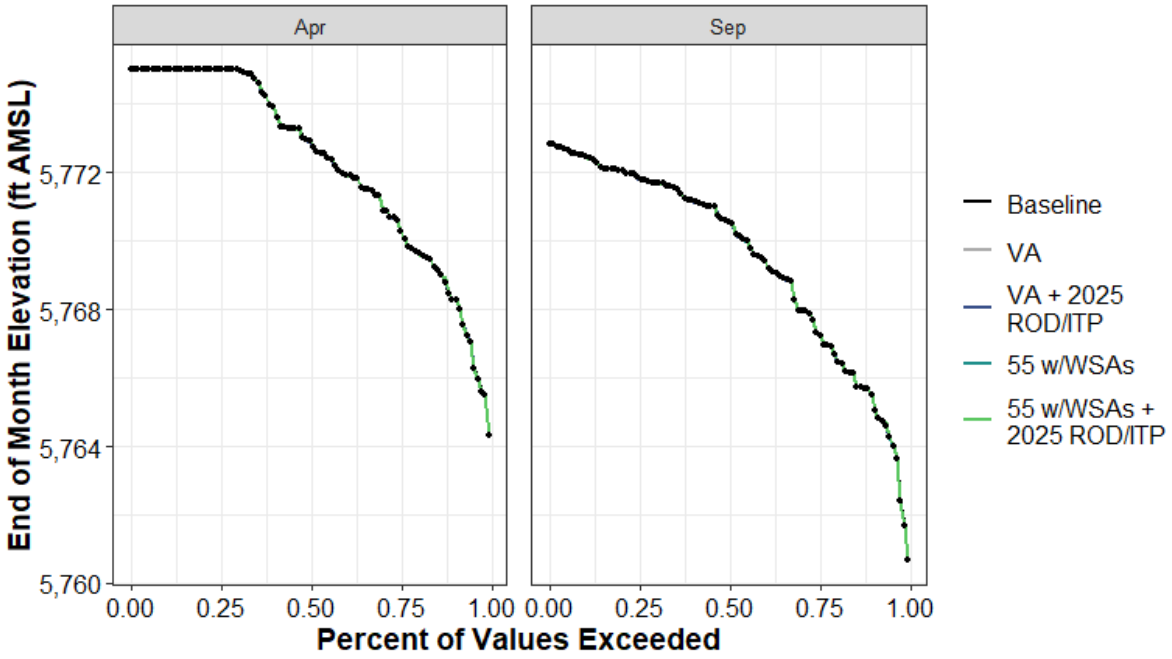

Figure H1a7-111. Lake Davis Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-223. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Davis

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	37	0	0	0	0
10%	51	0	0	0	0
25%	56	0	0	0	0
50%	67	0	0	0	0
75%	72	0	0	0	0
90%	75	0	0	0	0
100%	76	0	0	0	0
Mean	64	0	0	0	0

Table H1a7-224. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Davis

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,761	0	0	0	0
10%	5,765	0	0	0	0
25%	5,767	0	0	0	0
50%	5,771	0	0	0	0
75%	5,772	0	0	0	0
90%	5,772	0	0	0	0
100%	5,773	0	0	0	0
Mean	5,769	0	0	0	0

Table H1a7-225. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Davis

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	47	0	0	0	0
10%	60	0	0	0	0
25%	67	0	0	0	0
50%	76	0	0	0	0
75%	84	0	0	0	0
90%	84	0	0	0	0
100%	84	0	0	0	0
Mean	74	0	0	0	0

Table H1a7-226. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Davis

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,764	0	0	0	0
10%	5,768	0	0	0	0
25%	5,770	0	0	0	0
50%	5,773	0	0	0	0
75%	5,775	0	0	0	0
90%	5,775	0	0	0	0
100%	5,775	0	0	0	0
Mean	5,772	0	0	0	0

H1a7.5.26 Lake Fordyce (Yuba River Watershed)

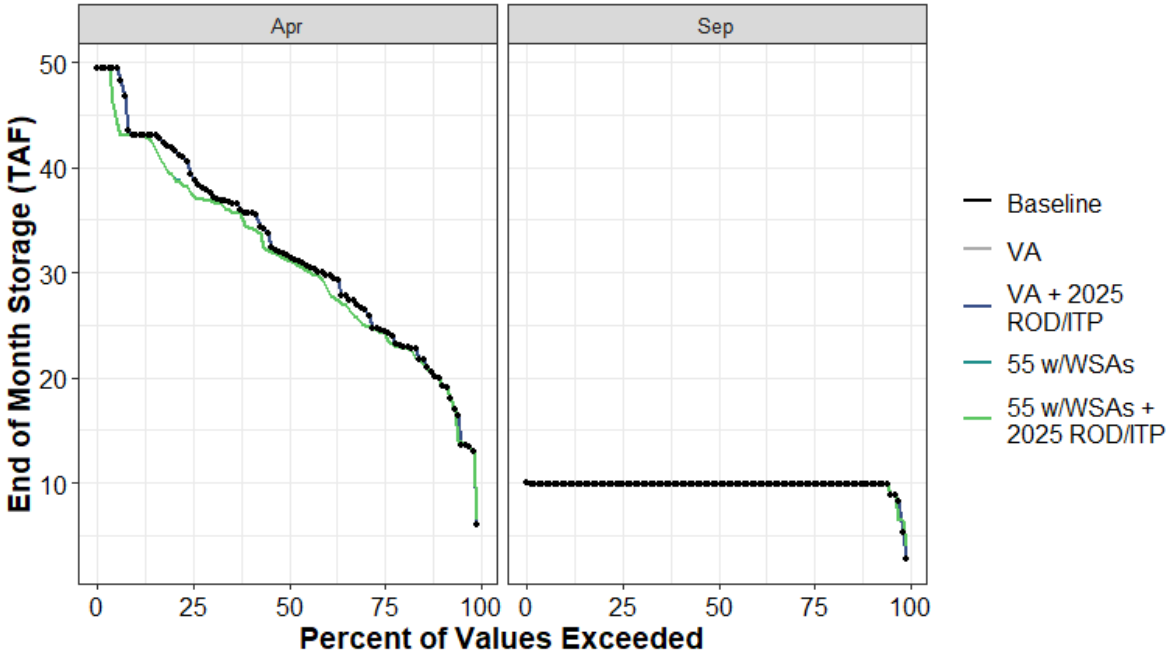

Figure H1a7-112. Lake Fordyce End of April and End of September Storage (TAF) Percent Exceedance Plot

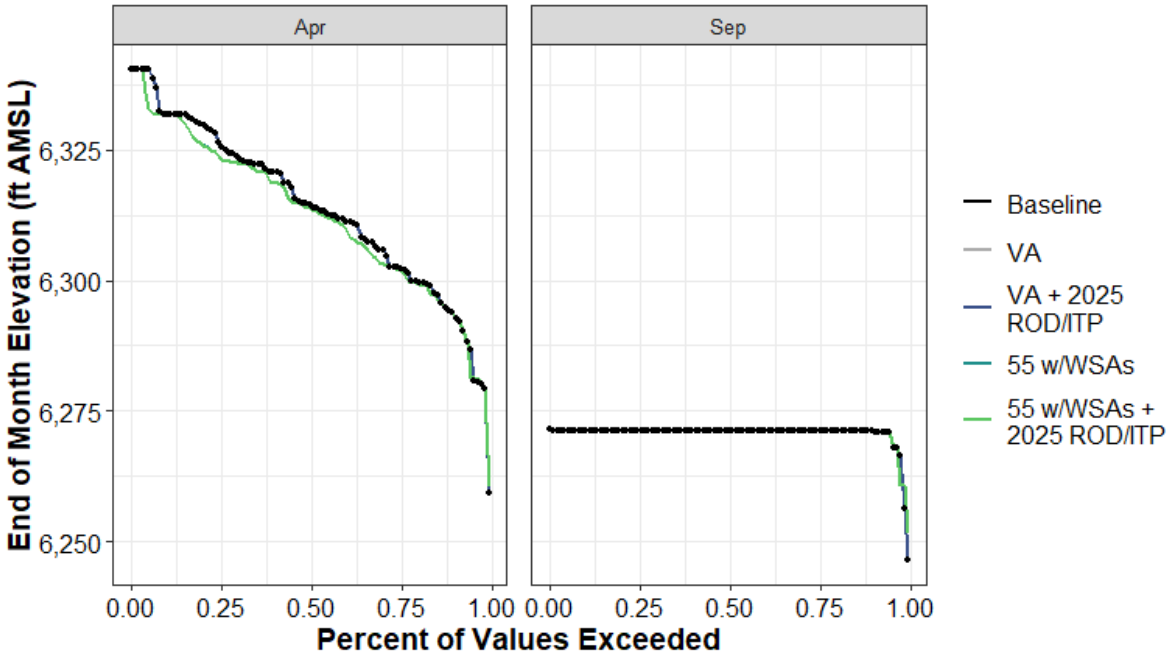

Figure H1a7-113. Lake Fordyce Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-227. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Fordyce

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3	0	0	1	1
10%	10	0	0	0	0
25%	10	0	0	0	0
50%	10	0	0	0	0
75%	10	0	0	0	0
90%	10	0	0	0	0
100%	10	0	0	0	0
Mean	10	0	0	0	0

Table H1a7-228. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Fordyce

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6,246	0	0	5	5
10%	6,271	0	0	0	0
25%	6,271	0	0	0	0
50%	6,271	0	0	0	0
75%	6,271	0	0	0	0
90%	6,271	0	0	0	0
100%	6,271	0	0	0	0
Mean	6,271	0	0	0	0

Table H1a7-229. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Fordyce

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6	0	0	0	0
10%	20	0	0	0	0
25%	24	0	0	0	0
50%	32	0	0	0	0
75%	39	0	0	-2	-2
90%	43	0	0	0	0
100%	49	0	0	0	0
Mean	32	0	0	-1	-1

Table H1a7-230. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Fordyce

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6,259	0	0	1	1
10%	6,294	0	0	0	0
25%	6,302	0	0	0	0
50%	6,314	0	0	-1	-1
75%	6,326	0	0	-3	-3
90%	6,332	0	0	0	0
100%	6,340	0	0	0	0
Mean	6,314	0	0	-1	-1

H1a7.5.27 Lake Spaulding (Yuba River Watershed)

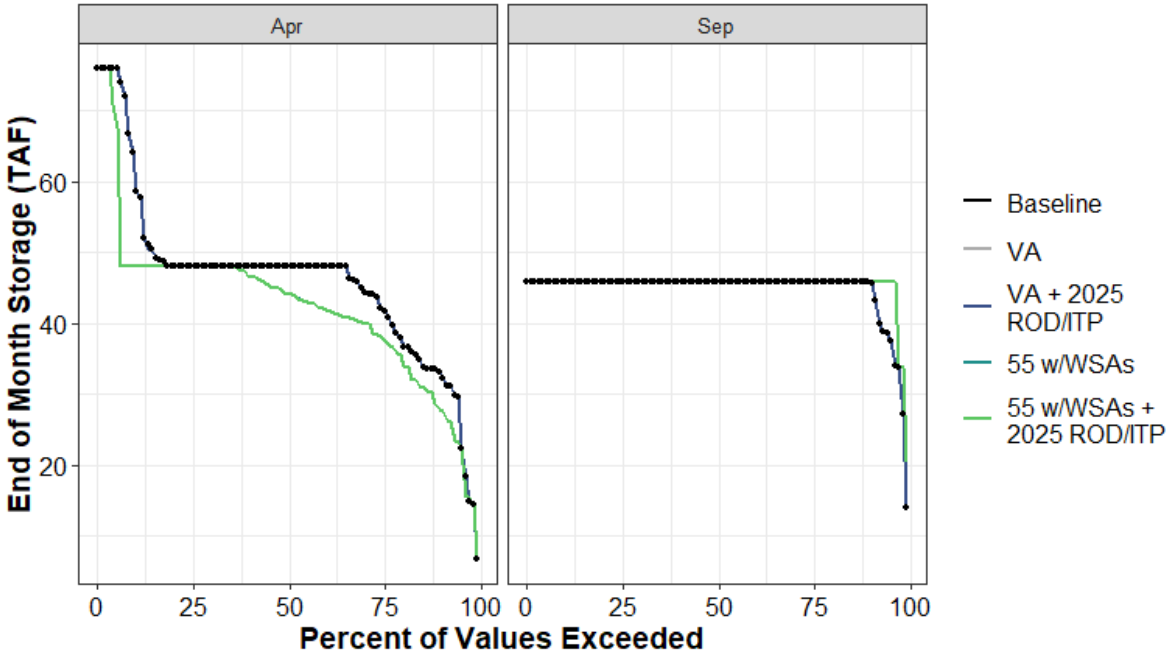

Figure H1a7-114. Lake Spaulding End of April and End of September Storage (TAF) Percent Exceedance Plot

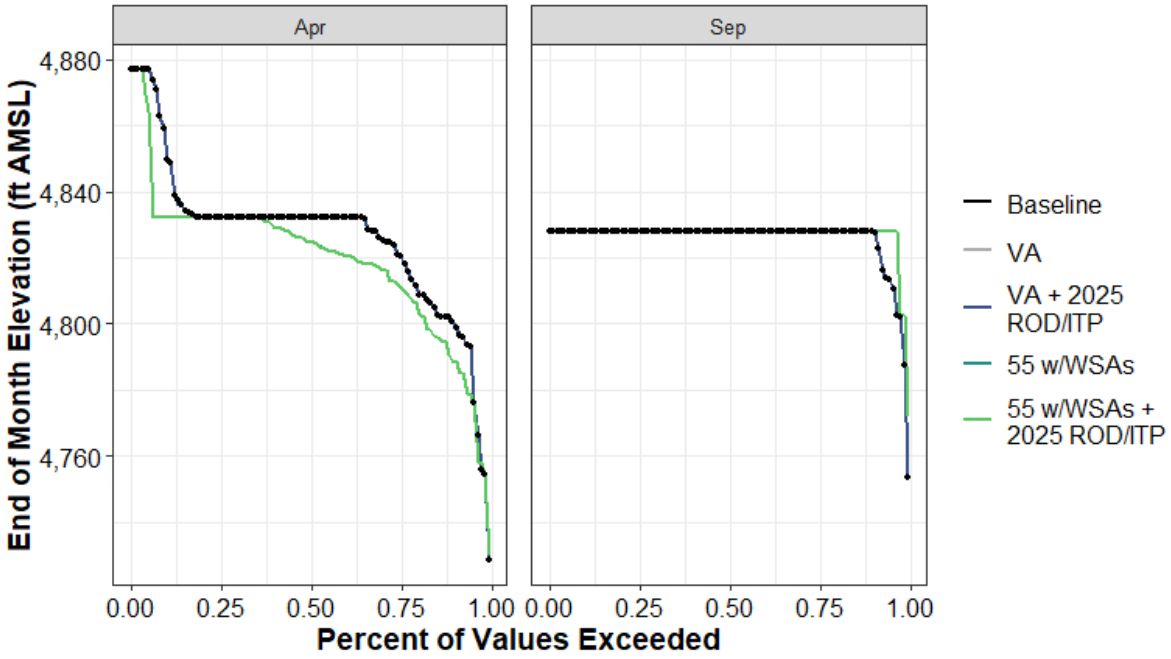

Figure H1a7-115. Lake Spaulding Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-231. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Spaulding

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	14	0	0	6	6
10%	46	0	0	0	0
25%	46	0	0	0	0
50%	46	0	0	0	0
75%	46	0	0	0	0
90%	46	0	0	0	0
100%	46	0	0	0	0
Mean	45	0	0	1	1

Table H1a7-232. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Spaulding

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,753	0	0	19	19
10%	4,828	0	0	0	0
25%	4,828	0	0	0	0
50%	4,828	0	0	0	0
75%	4,828	0	0	0	0
90%	4,828	0	0	0	0
100%	4,828	0	0	0	0
Mean	4,826	0	0	1	1

Table H1a7-233. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Spaulding

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7	0	0	0	0
10%	33	0	0	-5	-5
25%	42	0	0	-4	-4
50%	48	0	0	-4	-4
75%	48	0	0	0	0
90%	60	0	0	-12	-12
100%	76	0	0	0	0
Mean	46	0	0	-4	-4

Table H1a7-234. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lake Spaulding

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,728	0	0	2	2
10%	4,800	0	0	-11	-11
25%	4,821	0	0	-9	-9
50%	4,832	0	0	-7	-7
75%	4,832	0	0	0	0
90%	4,852	0	0	-20	-20
100%	4,877	0	0	0	0
Mean	4,827	0	0	-7	-7

H1a7.5.28 Lake Valley (American River Watershed)

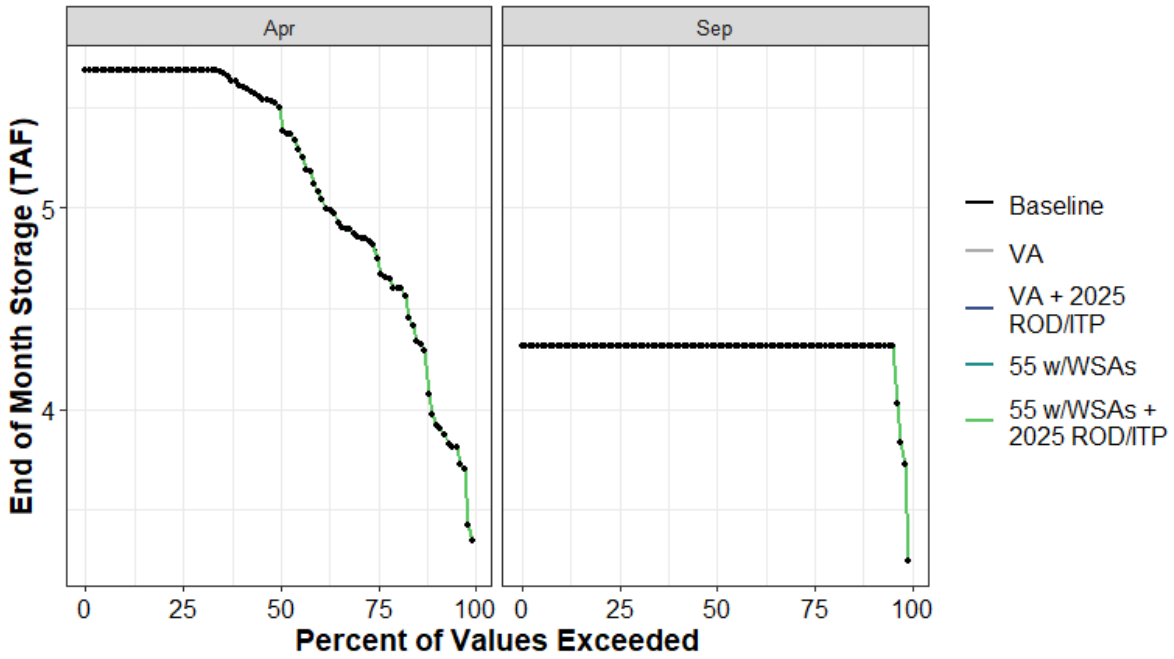

Figure H1a7-116. Lake Valley End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-235. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lake Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3	0	0	0	0
10%	4	0	0	0	0
25%	4	0	0	0	0
50%	4	0	0	0	0
75%	4	0	0	0	0
90%	4	0	0	0	0
100%	4	0	0	0	0
Mean	4	0	0	0	0

Table H1a7-236. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lake Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3	0	0	0	0
10%	4	0	0	0	0
25%	5	0	0	0	0
50%	5	0	0	0	0
75%	6	0	0	0	0
90%	6	0	0	0	0
100%	6	0	0	0	0
Mean	5	0	0	0	0

H1a7.5.29 Little Grass Valley Reservoir (Feather River Watershed)

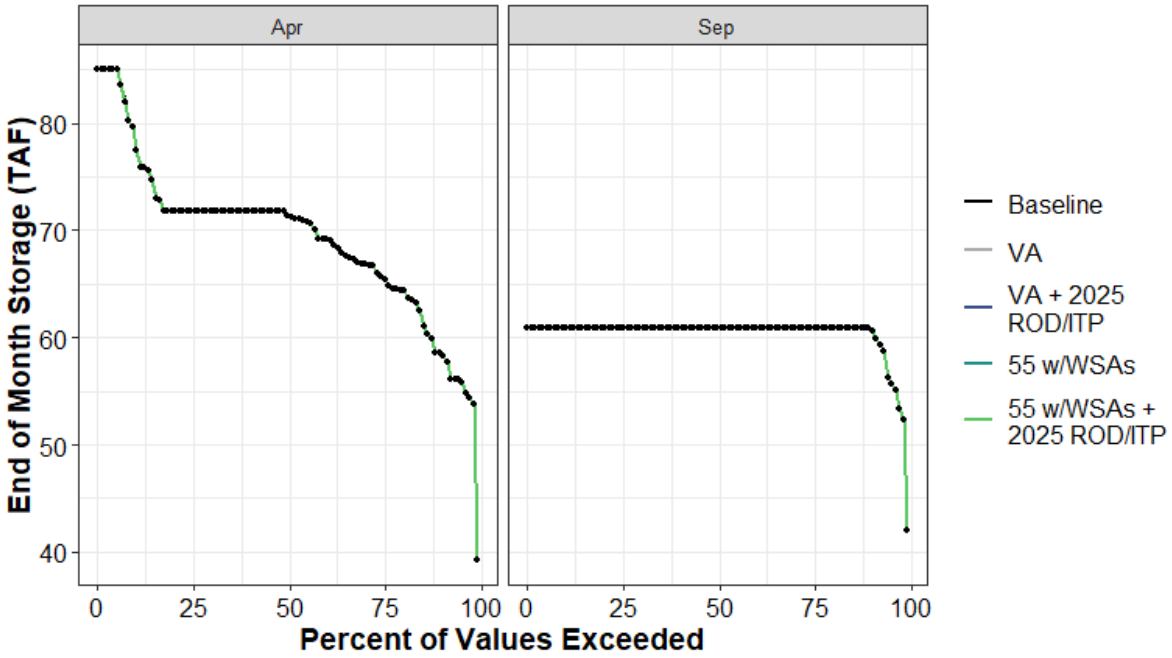

Figure H1a7-117. Little Grass Valley Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

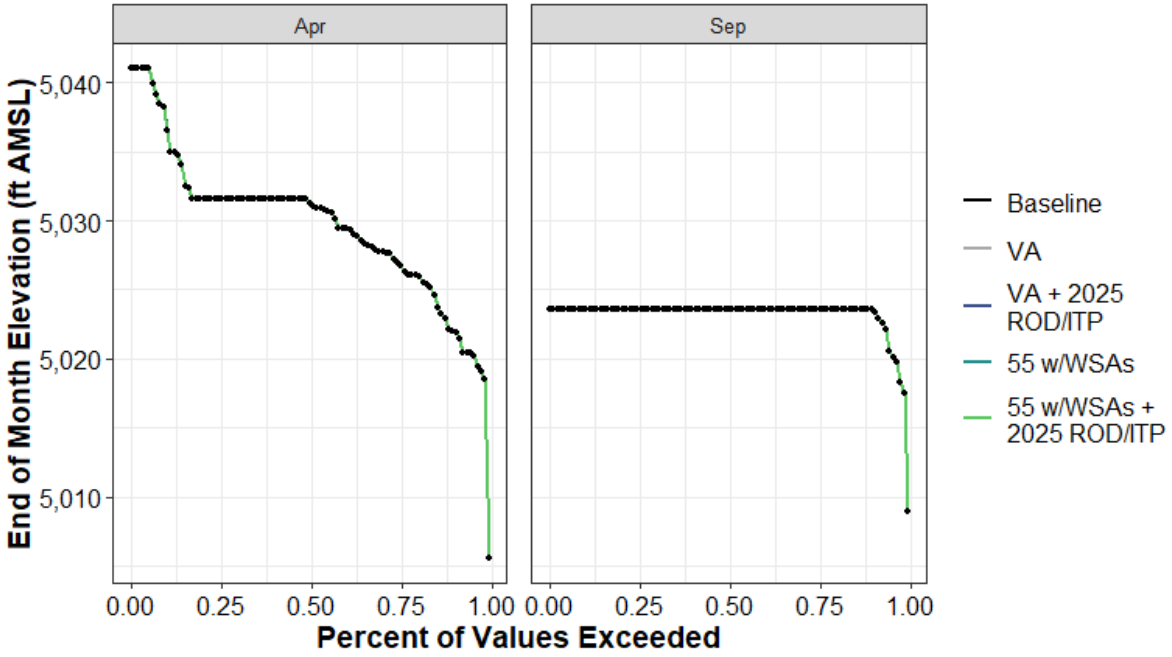

Figure H1a7-118. Little Grass Valley Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-237. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Little Grass Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	42	0	0	0	0
10%	61	0	0	0	0
25%	61	0	0	0	0
50%	61	0	0	0	0
75%	61	0	0	0	0
90%	61	0	0	0	0
100%	61	0	0	0	0
Mean	60	0	0	0	0

Table H1a7-238. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Little Grass Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,009	0	0	0	0
10%	5,024	0	0	0	0
25%	5,024	0	0	0	0
50%	5,024	0	0	0	0
75%	5,024	0	0	0	0
90%	5,024	0	0	0	0
100%	5,024	0	0	0	0
Mean	5,023	0	0	0	0

Table H1a7-239. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Little Grass Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	39	0	0	0	0
10%	59	0	0	0	0
25%	66	0	0	0	0
50%	71	0	0	0	0
75%	72	0	0	0	0
90%	78	0	0	0	0
100%	85	0	0	0	0
Mean	69	0	0	0	0

Table H1a7-240. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Little Grass Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,006	0	0	0	0
10%	5,022	0	0	0	0
25%	5,027	0	0	0	0
50%	5,031	0	0	0	0
75%	5,032	0	0	0	0
90%	5,037	0	0	0	0
100%	5,041	0	0	0	0
Mean	5,030	0	0	0	0

H1a7.5.30 Loon Lake (American River Watershed)

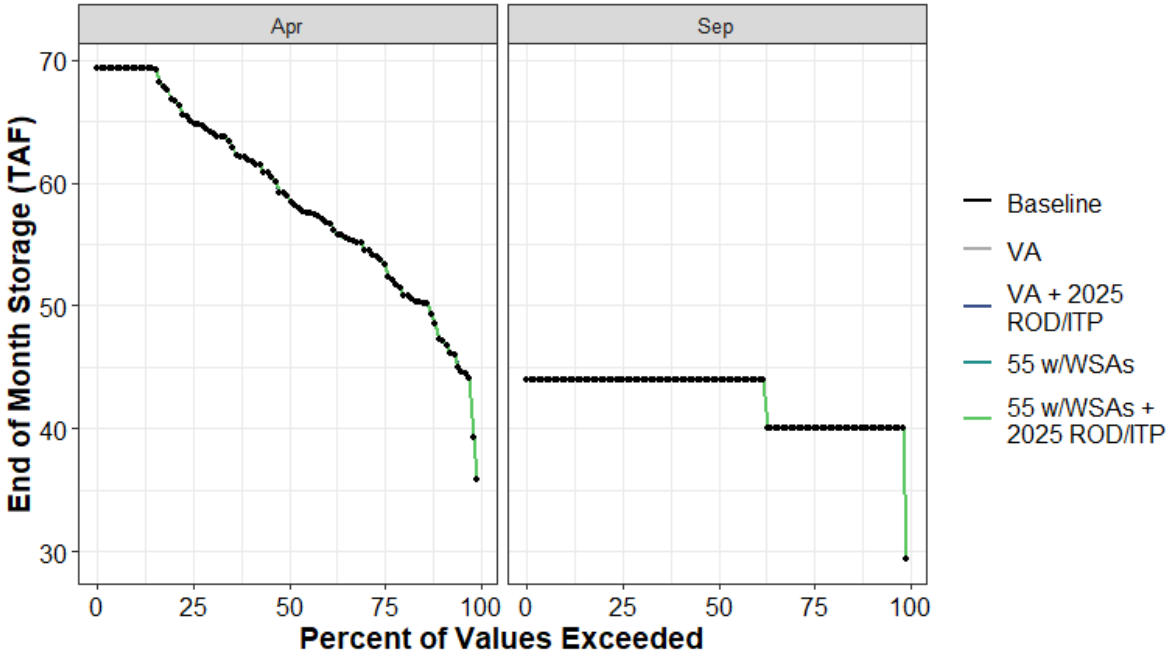

Figure H1a7-119. Loon Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

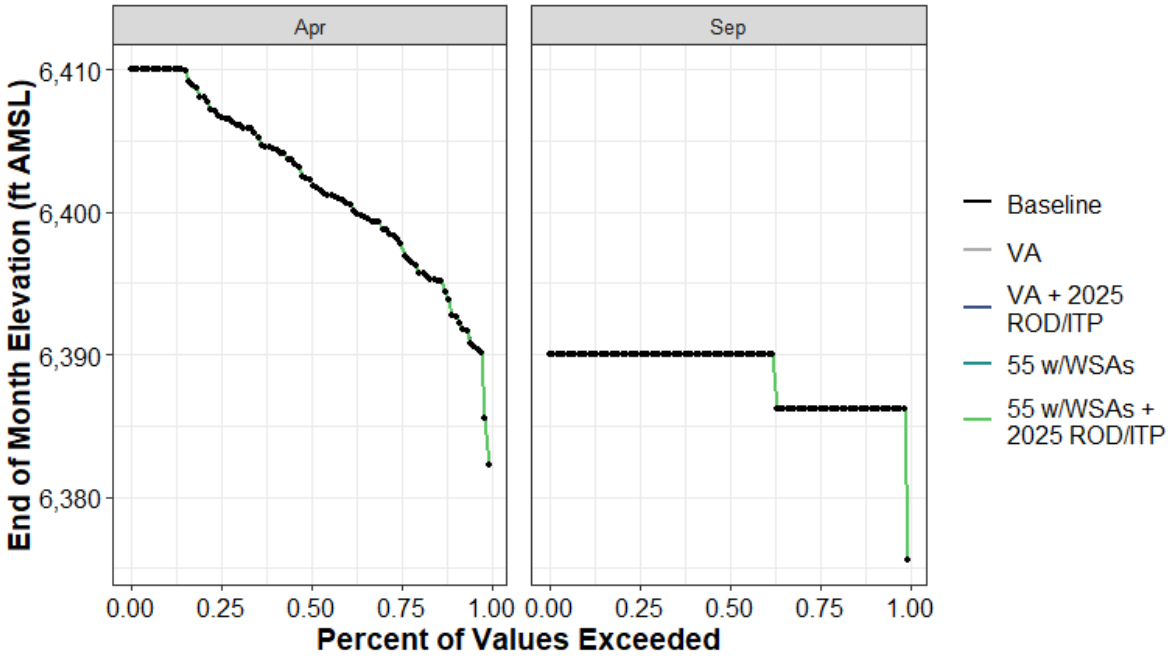

Figure H1a7-120. Loon Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-241. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Loon Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	29	0	0	0	0
10%	40	0	0	0	0
25%	40	0	0	0	0
50%	44	0	0	0	0
75%	44	0	0	0	0
90%	44	0	0	0	0
100%	44	0	0	0	0
Mean	42	0	0	0	0

Table H1a7-242. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Loon Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6,376	0	0	0	0
10%	6,386	0	0	0	0
25%	6,386	0	0	0	0
50%	6,390	0	0	0	0
75%	6,390	0	0	0	0
90%	6,390	0	0	0	0
100%	6,390	0	0	0	0
Mean	6,388	0	0	0	0

Table H1a7-243. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Loon Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	36	0	0	0	0
10%	47	0	0	0	0
25%	54	0	0	0	0
50%	59	0	0	0	0
75%	65	0	0	0	0
90%	69	0	0	0	0
100%	69	0	0	0	0
Mean	59	0	0	0	0

Table H1a7-244. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Loon Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	6,382	0	0	0	0
10%	6,393	0	0	0	0
25%	6,398	0	0	0	0
50%	6,402	0	0	0	0
75%	6,407	0	0	0	0
90%	6,410	0	0	0	0
100%	6,410	0	0	0	0
Mean	6,402	0	0	0	0

H1a7.5.31 Los Vaqueros Reservoir (Kellogg Creek Watershed)

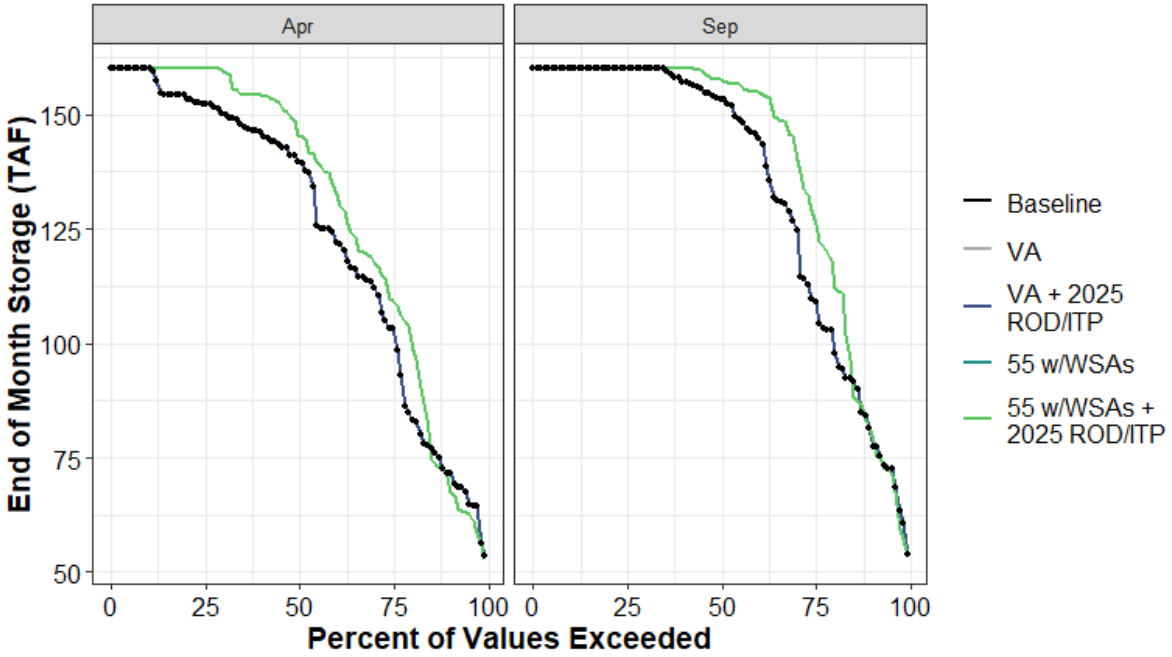

Figure H1a7-121. Los Vaqueros Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

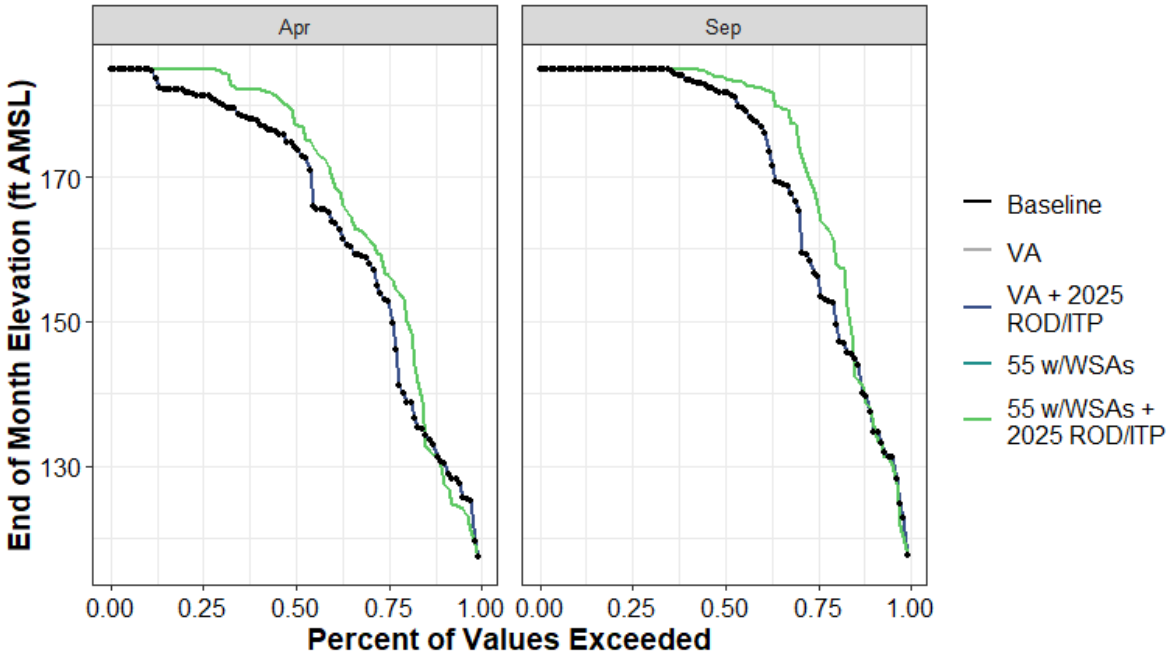

Figure H1a7-122. Los Vaqueros Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-245. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Los Vaqueros Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	54	0	0	0	0
10%	81	0	0	1	1
25%	109	0	0	18	18
50%	153	0	0	4	4
75%	160	0	0	0	0
90%	160	0	0	0	0
100%	160	0	0	0	0
Mean	135	0	0	5	5

Table H1a7-246. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Los Vaqueros Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	118	0	0	0	0
10%	137	0	0	0	0
25%	156	0	0	11	11
50%	182	0	0	2	2
75%	185	0	0	0	0
90%	185	0	0	0	0
100%	185	0	0	0	0
Mean	170	0	0	3	3

Table H1a7-247. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Los Vaqueros Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	53	0	0	-1	-1
10%	72	0	0	-2	-2
25%	103	0	0	6	6
50%	140	0	0	6	6
75%	152	0	0	8	8
90%	160	0	0	0	0
100%	160	0	0	0	0
Mean	125	0	0	6	6

Table H1a7-248. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Los Vaqueros Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	117	0	0	0	0
10%	131	0	0	-1	-1
25%	153	0	0	4	4
50%	174	0	0	3	3
75%	181	0	0	4	4
90%	185	0	0	0	0
100%	185	0	0	0	0
Mean	164	0	0	3	3

H1a7.5.32 Lower Bear (Mokelumne River Watershed)

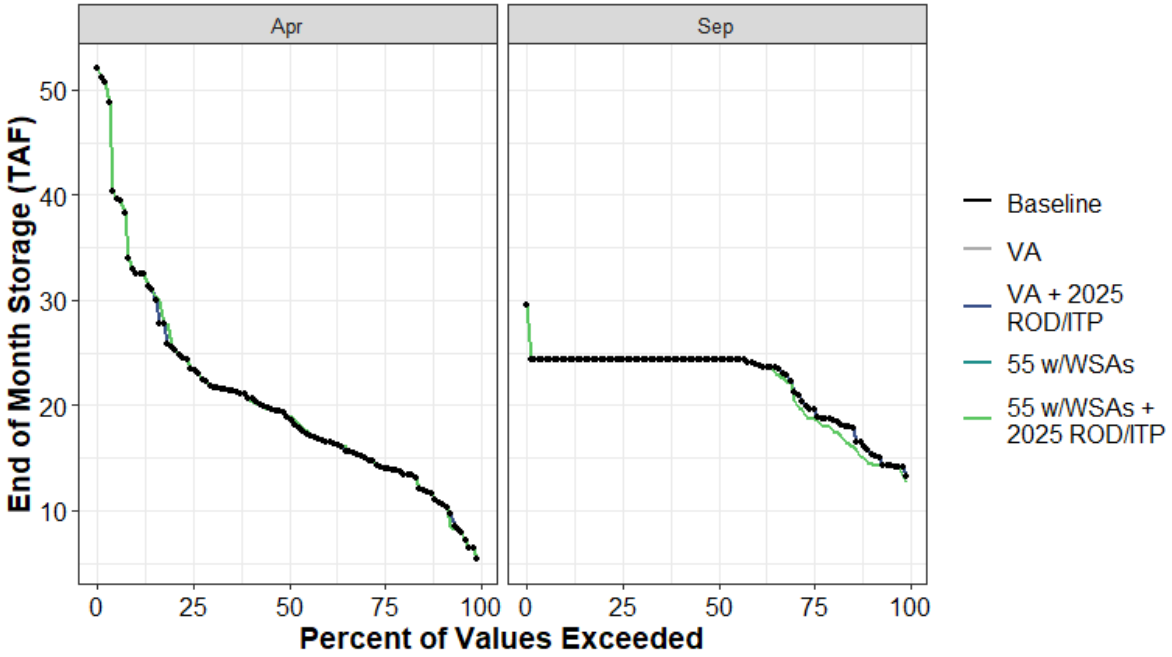

Figure H1a7-123. Lower Bear End of April and End of September Storage (TAF) Percent Exceedance Plot

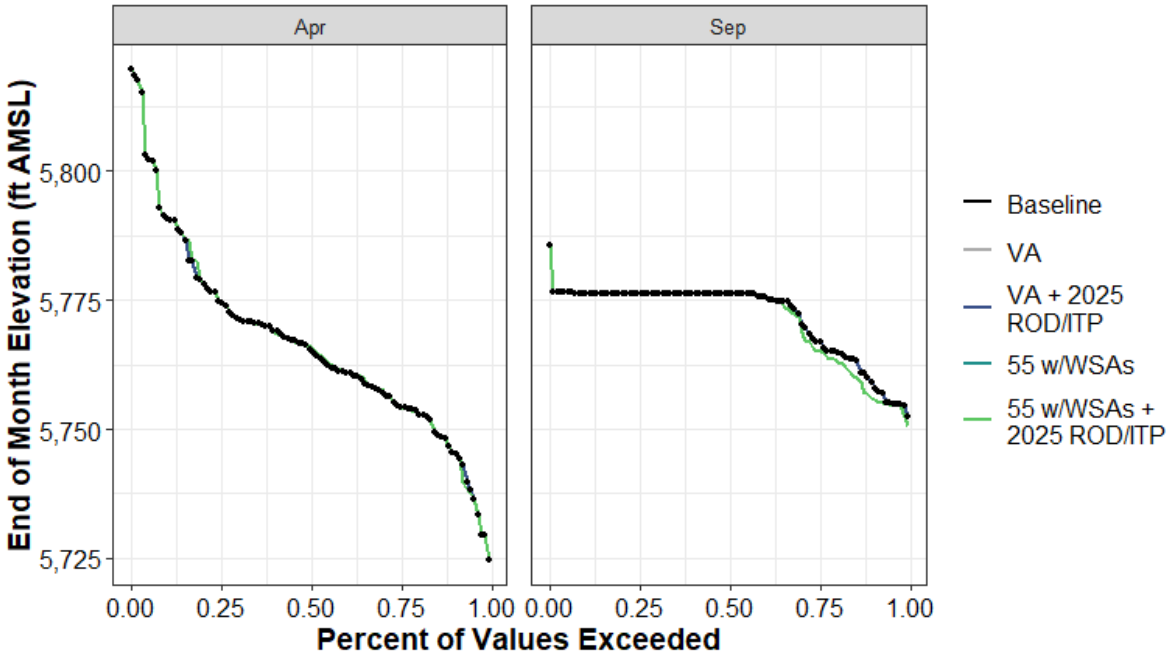

Figure H1a7-124. Lower Bear Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-249. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Lower Bear

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	13	0	0	-1	-1
10%	16	0	0	-1	-1
25%	20	0	0	-1	-1
50%	24	0	0	0	0
75%	24	0	0	0	0
90%	24	0	0	0	0
100%	30	0	0	0	0
Mean	22	0	0	0	0

Table H1a7-250. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Lower Bear

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,752	0	0	-2	-2
10%	5,759	0	0	-3	-3
25%	5,767	0	0	-2	-2
50%	5,776	0	0	0	0
75%	5,776	0	0	0	0
90%	5,776	0	0	0	0
100%	5,786	0	0	0	0
Mean	5,772	0	0	-1	-1

Table H1a7-251. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Lower Bear

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5	0	0	0	0
10%	11	0	0	0	0
25%	14	0	0	0	0
50%	19	0	0	0	0
75%	23	0	0	0	0
90%	33	0	0	0	0
100%	52	0	0	0	0
Mean	21	0	0	0	0

Table H1a7-252. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Lower Bear

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,725	0	0	0	0
10%	5,745	0	0	0	0
25%	5,754	0	0	0	0
50%	5,765	0	0	0	0
75%	5,775	0	0	0	0
90%	5,791	0	0	0	0
100%	5,820	0	0	0	0
Mean	5,767	0	0	0	0

H1a7.5.33 Merle Collins Reservoir (Yuba River Watershed)

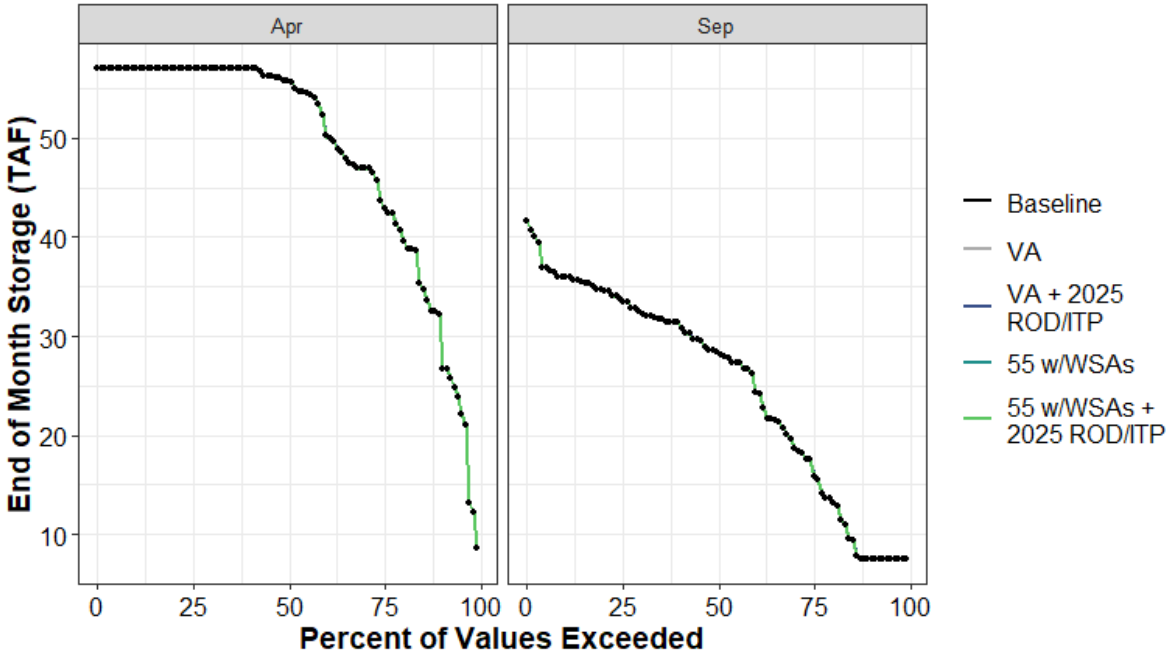

Figure H1a7-125. Merle Collins Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

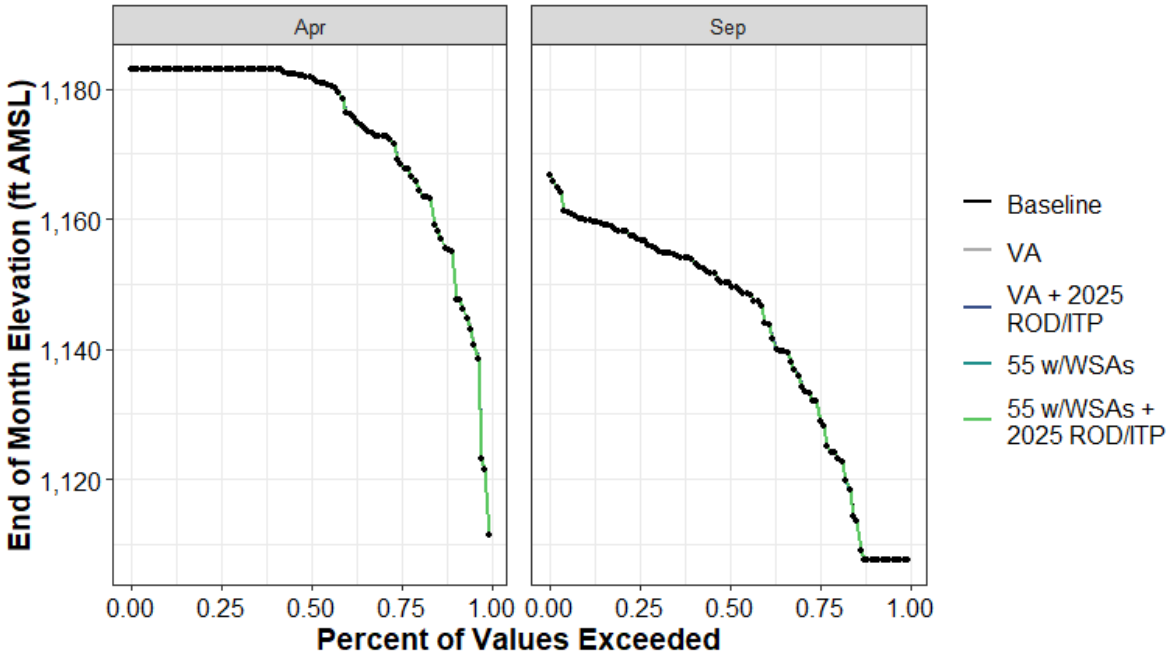

Figure H1a7-126. Merle Collins Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-253. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Merle Collins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	8	0	0	0	0
10%	8	0	0	0	0
25%	17	0	0	0	0
50%	29	0	0	0	0
75%	34	0	0	0	0
90%	36	0	0	0	0
100%	42	0	0	0	0
Mean	25	0	0	0	0

Table H1a7-254. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Merle Collins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,108	0	0	0	0
10%	1,108	0	0	0	0
25%	1,130	0	0	0	0
50%	1,150	0	0	0	0
75%	1,157	0	0	0	0
90%	1,160	0	0	0	0
100%	1,167	0	0	0	0
Mean	1,142	0	0	0	0

Table H1a7-255. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Merle Collins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	9	0	0	0	0
10%	31	0	0	0	0
25%	43	0	0	0	0
50%	56	0	0	0	0
75%	57	0	0	0	0
90%	57	0	0	0	0
100%	57	0	0	0	0
Mean	49	0	0	0	0

Table H1a7-256. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Merle Collins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,111	0	0	0	0
10%	1,154	0	0	0	0
25%	1,169	0	0	0	0
50%	1,182	0	0	0	0
75%	1,183	0	0	0	0
90%	1,183	0	0	0	0
100%	1,183	0	0	0	0
Mean	1,173	0	0	0	0

H1a7.5.34 Mountain Meadows Reservoir (Feather River Watershed)

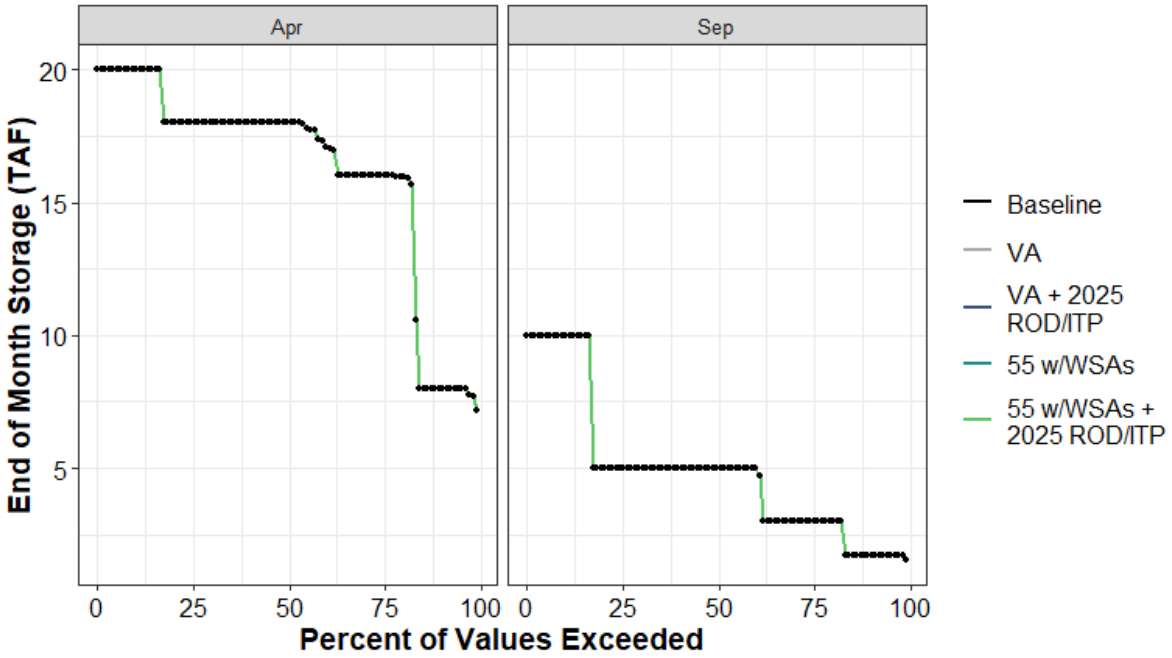

Figure H1a7-127. Mountain Meadows Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-257. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Mountain Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2	0	0	0	0
10%	2	0	0	0	0
25%	3	0	0	0	0
50%	5	0	0	0	0
75%	5	0	0	0	0
90%	10	0	0	0	0
100%	10	0	0	0	0
Mean	5	0	0	0	0

Table H1a7-258. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Mountain Meadows Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7	0	0	0	0
10%	8	0	0	0	0
25%	16	0	0	0	0
50%	18	0	0	0	0
75%	18	0	0	0	0
90%	20	0	0	0	0
100%	20	0	0	0	0
Mean	16	0	0	0	0

H1a7.5.35 New Bullards Bar Reservoir (Yuba River Watershed)

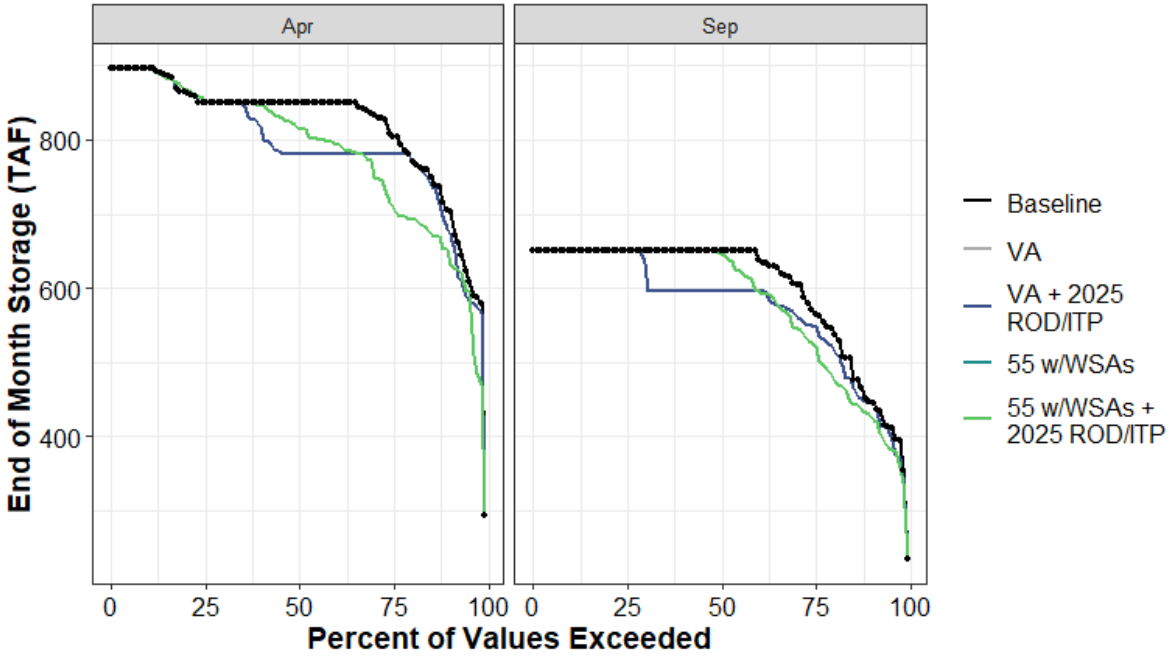

Figure H1a7-128. New Bullards Bar Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

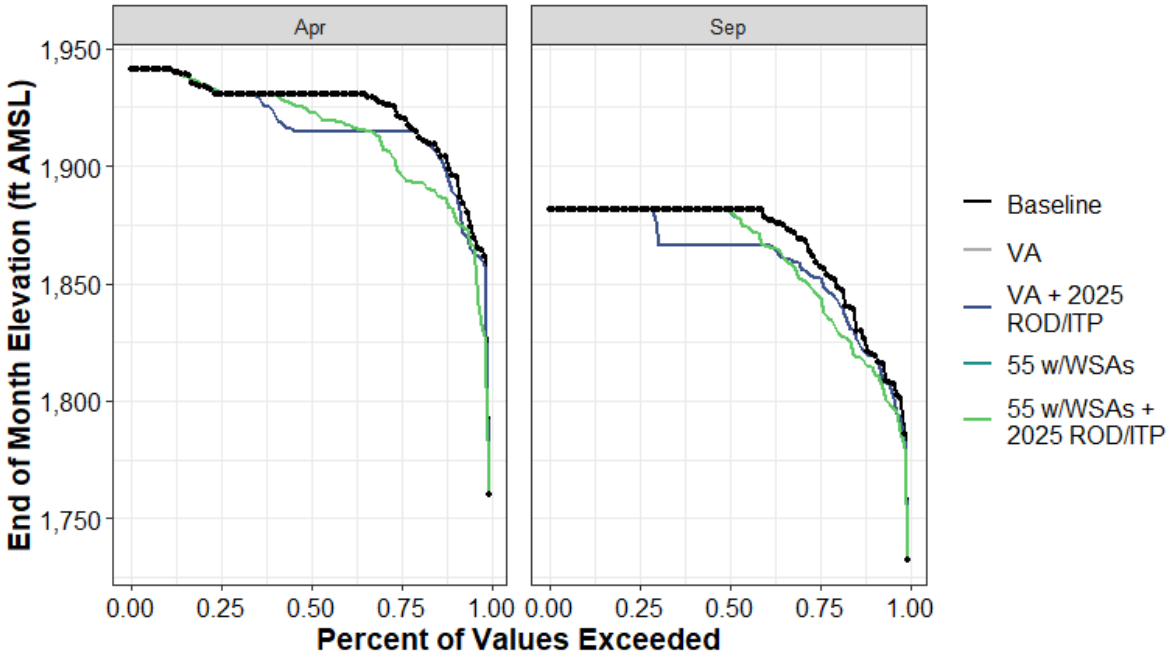

Figure H1a7-129. New Bullards Bar Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-259. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for New Bullards Bar Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	234	0	0	0	0
10%	446	-2	-2	-17	-17
25%	567	-19	-19	-44	-44
50%	650	-55	-55	-3	-3
75%	650	0	0	0	0
90%	650	0	0	0	0
100%	650	0	0	0	0
Mean	597	-26	-26	-19	-19

Table H1a7-260. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for New Bullards Bar Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,732	0	0	0	0
10%	1,820	-1	-1	-6	-6
25%	1,858	-6	-6	-13	-13
50%	1,881	-15	-15	-1	-1
75%	1,881	0	0	0	0
90%	1,881	0	0	0	0
100%	1,881	0	0	0	0
Mean	1,865	-8	-8	-6	-6

Table H1a7-261. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for New Bullards Bar Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	293	0	0	2	2
10%	706	-27	-27	-57	-57
25%	807	-27	-27	-95	-95
50%	850	-70	-70	-35	-35
75%	850	0	0	4	4
90%	896	0	0	0	0
100%	896	0	0	0	0
Mean	818	-27	-27	-34	-34

Table H1a7-262. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for New Bullards Bar Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,760	0	0	1	1
10%	1,896	-7	-7	-15	-15
25%	1,921	-6	-6	-23	-23
50%	1,931	-16	-16	-8	-8
75%	1,931	0	0	1	1
90%	1,941	0	0	0	0
100%	1,941	0	0	0	0
Mean	1,922	-6	-6	-8	-8

H1a7.5.36 New Hogan Reservoir (Calaveras River Watershed)

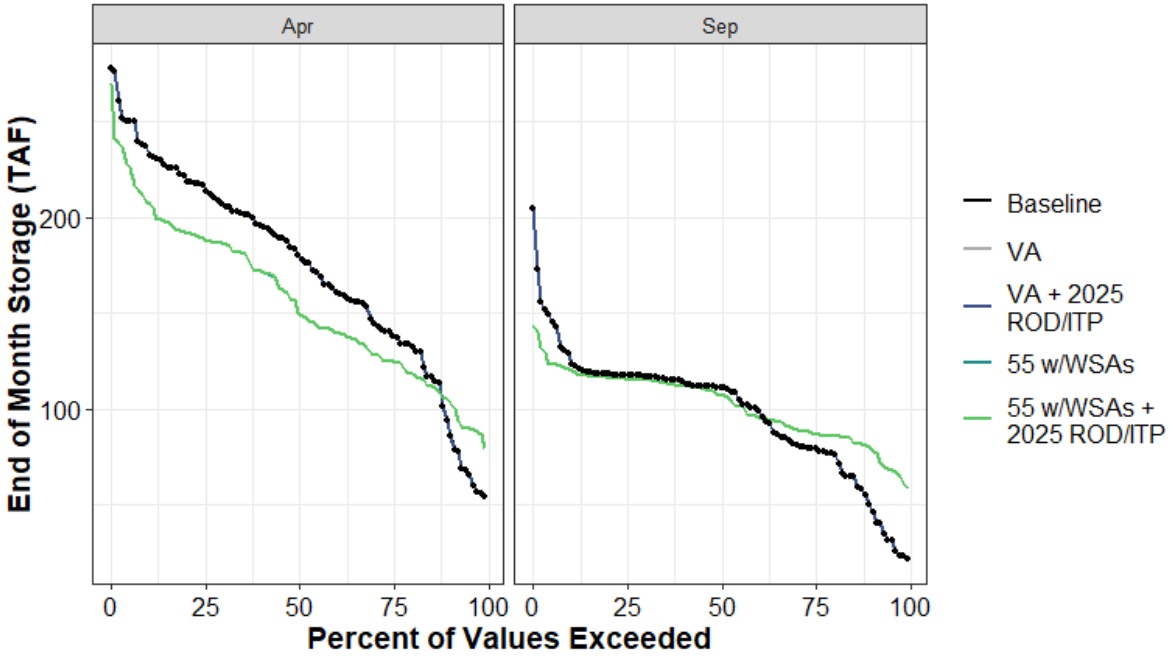

Figure H1a7-130. New Hogan Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

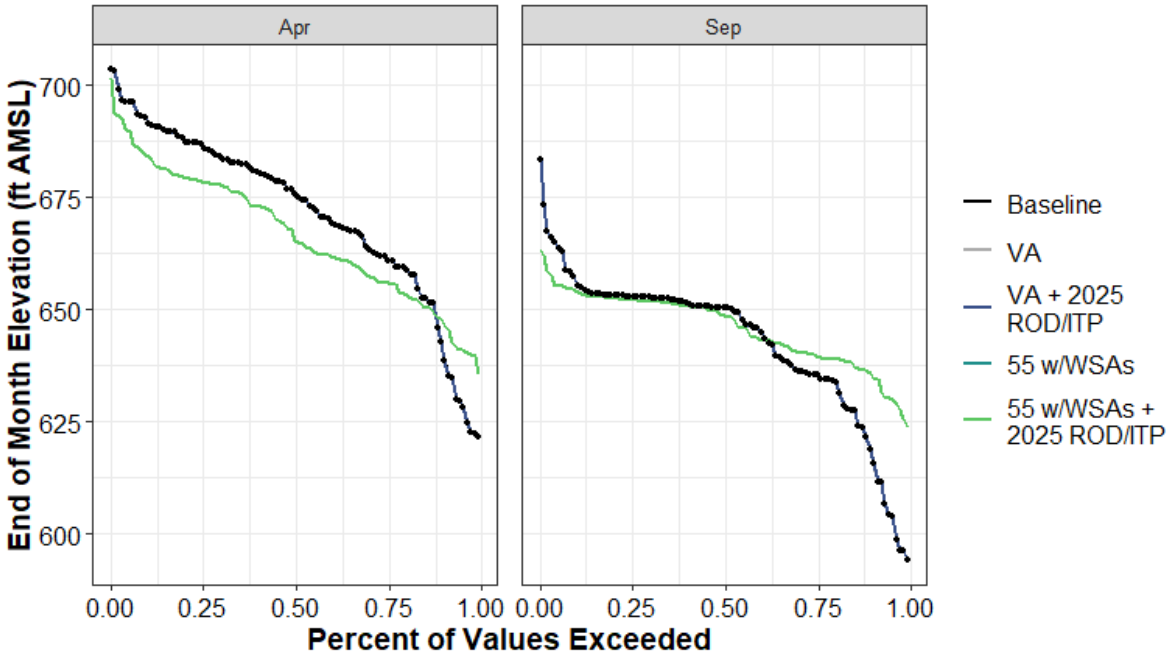

Figure H1a7-131. New Hogan Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-263. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for New Hogan Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	22	0	0	37	37
10%	50	0	0	30	30
25%	80	0	0	8	8
50%	111	0	0	-4	-4
75%	118	0	0	-2	-2
90%	124	0	0	-4	-4
100%	205	0	0	-61	-61
Mean	99	0	0	3	3

Table H1a7-264. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for New Hogan Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	594	0	0	30	30
10%	618	0	0	17	17
25%	636	0	0	4	4
50%	650	0	0	-2	-2
75%	653	0	0	-1	-1
90%	656	0	0	-2	-2
100%	683	0	0	-20	-20
Mean	643	0	0	3	3

Table H1a7-265. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for New Hogan Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	55	0	0	25	25
10%	93	0	0	12	12
25%	139	0	0	-14	-14
50%	180	0	0	-30	-30
75%	215	0	0	-26	-26
90%	234	0	0	-26	-26
100%	278	0	0	-8	-8
Mean	174	0	0	-17	-17

Table H1a7-266. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for New Hogan Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	621	0	0	14	14
10%	642	0	0	6	6
25%	661	0	0	-5	-5
50%	676	0	0	-10	-10
75%	686	0	0	-8	-8
90%	692	0	0	-8	-8
100%	703	0	0	-2	-2
Mean	672	0	0	-5	-5

H1a7.5.37 Oroville Reservoir (Feather River Watershed)

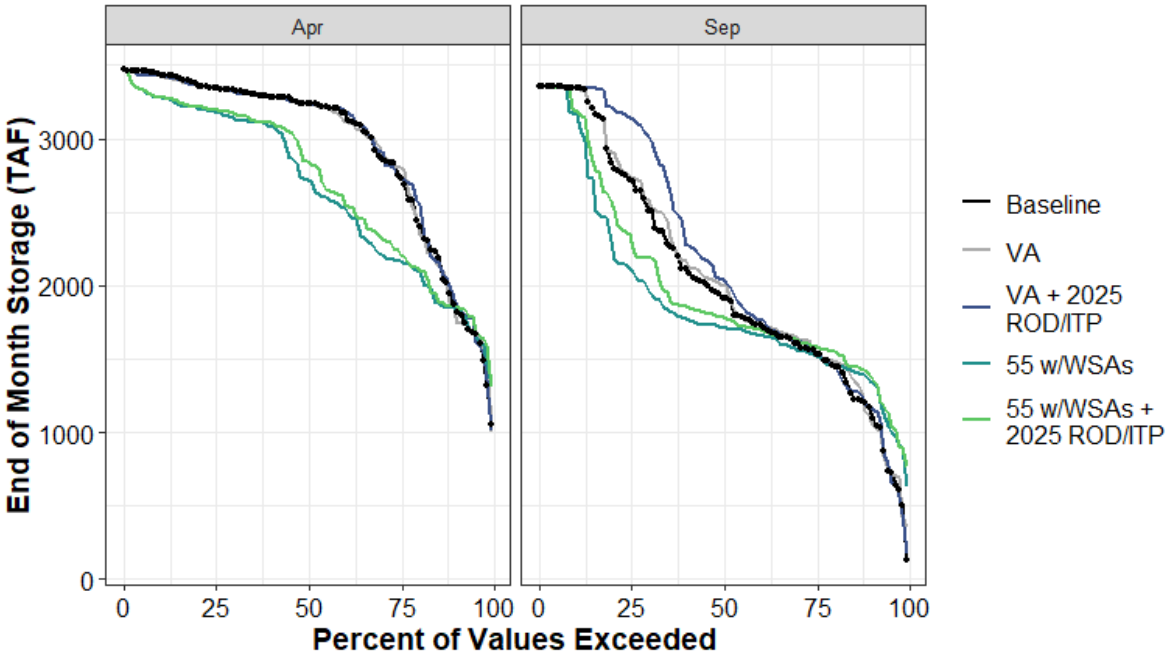

Figure H1a7-132. Oroville Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

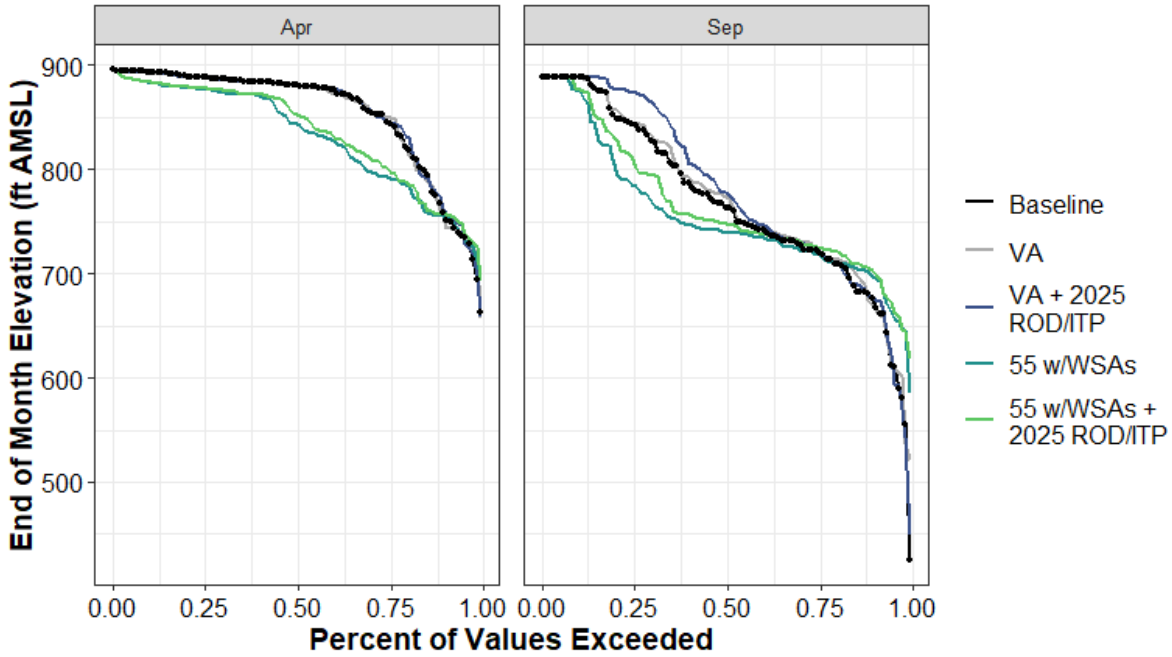

Figure H1a7-133. Oroville Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-267. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Oroville Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	129	230	46	499	635
10%	1,153	-60	13	193	235
25%	1,552	-19	-12	-26	30
50%	1,918	84	119	-206	-135
75%	2,713	25	429	-609	-416
90%	3,350	0	0	-186	-158
100%	3,351	0	0	0	0
Mean	2,056	32	124	-158	-72

Table H1a7-268. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Oroville Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	425	96	24	161	194
10%	675	-7	1	22	27
25%	721	-2	-1	-3	4
50%	764	10	14	-24	-16
75%	843	2	31	-58	-35
90%	888	0	0	-12	-11
100%	888	0	0	0	0
Mean	768	4	11	-12	-3

Table H1a7-269. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Oroville Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,055	-57	-43	273	256
10%	1,862	-38	47	-19	-4
25%	2,742	61	0	-575	-517
50%	3,238	-2	-2	-515	-395
75%	3,349	2	0	-166	-155
90%	3,435	-8	-8	-157	-154
100%	3,470	0	0	0	0
Mean	2,948	-5	7	-300	-253

Table H1a7-270. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Oroville Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	664	-7	-5	32	30
10%	757	-4	6	-2	0
25%	845	5	0	-52	-46
50%	880	0	0	-37	-28
75%	888	0	0	-11	-10
90%	893	-1	-1	-10	-10
100%	896	0	0	0	0
Mean	854	0	1	-24	-19

H1a7.5.38 Pardee Reservoir (Mokelumne River Watershed)

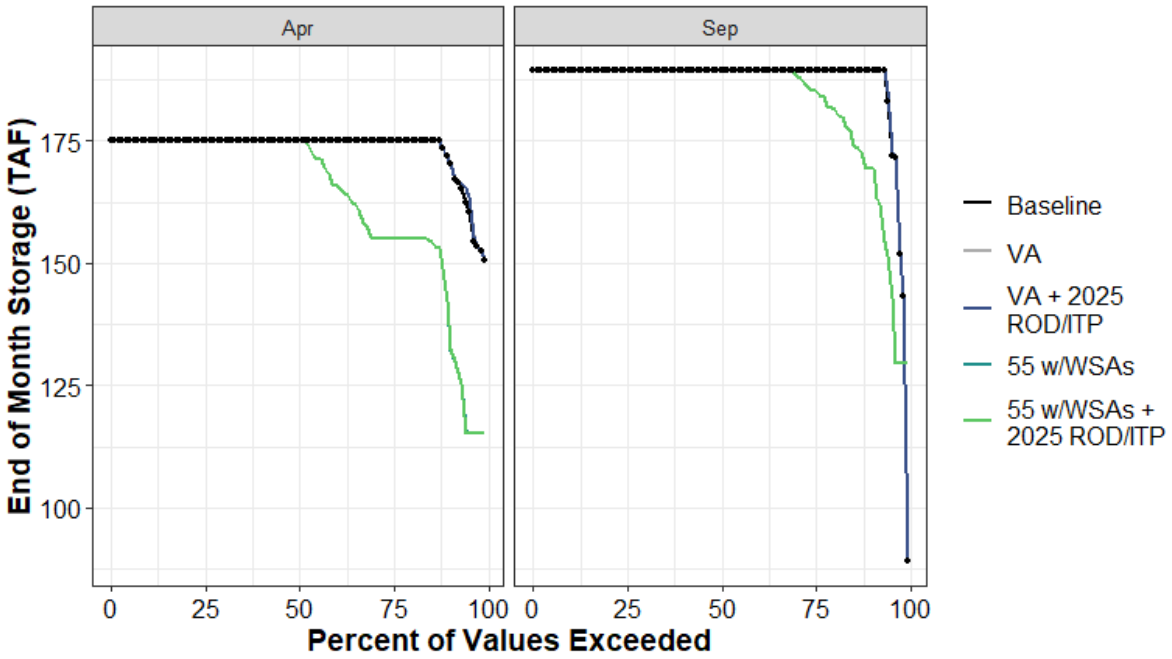

Figure H1a7-134. Pardee Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

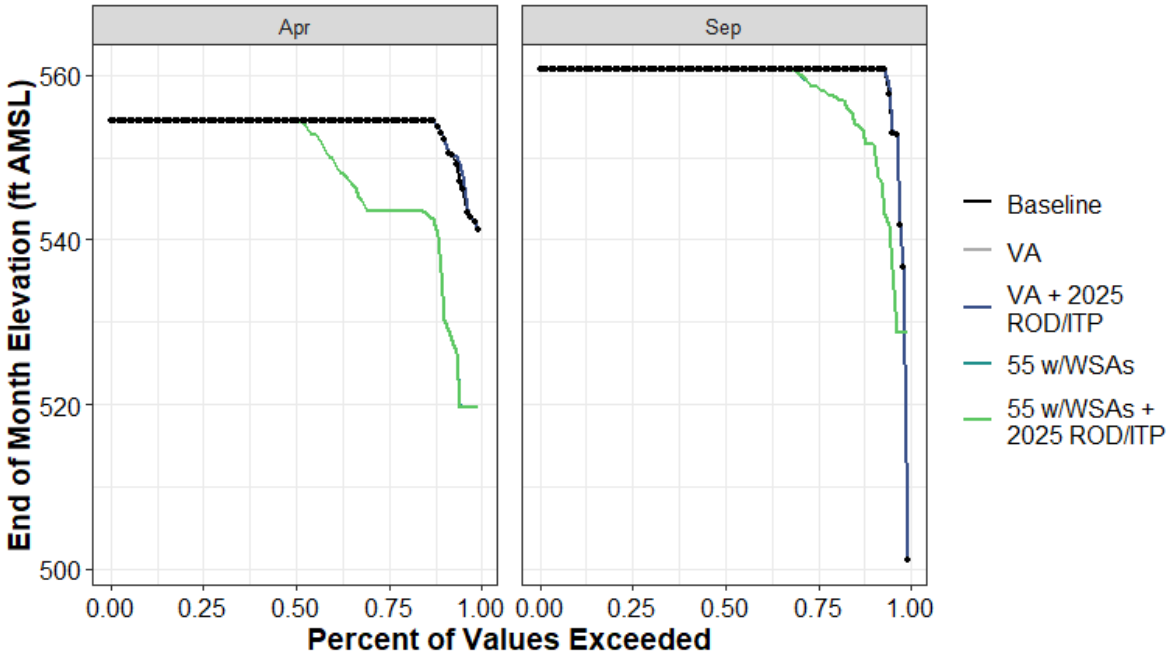

Figure H1a7-135. Pardee Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-271. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Pardee Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	89	0	0	40	40
10%	189	0	0	-20	-20
25%	189	0	0	-4	-4
50%	189	0	0	0	0
75%	189	0	0	0	0
90%	189	0	0	0	0
100%	189	0	0	0	0
Mean	187	0	0	-4	-4

Table H1a7-272. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Pardee Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	501	0	0	28	28
10%	561	0	0	-9	-9
25%	561	0	0	-2	-2
50%	561	0	0	0	0
75%	561	0	0	0	0
90%	561	0	0	0	0
100%	561	0	0	0	0
Mean	559	0	0	-2	-2

Table H1a7-273. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Pardee Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	150	0	0	-35	-35
10%	172	0	0	-31	-31
25%	175	0	0	-20	-20
50%	175	0	0	0	0
75%	175	0	0	0	0
90%	175	0	0	0	0
100%	175	0	0	0	0
Mean	174	0	0	-10	-10

Table H1a7-274. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Pardee Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	541	0	0	-22	-22
10%	553	0	0	-18	-18
25%	555	0	0	-11	-11
50%	555	0	0	0	0
75%	555	0	0	0	0
90%	555	0	0	0	0
100%	555	0	0	0	0
Mean	554	0	0	-6	-6

H1a7.5.39 Philbrook Round Valley (Feather River Watershed)

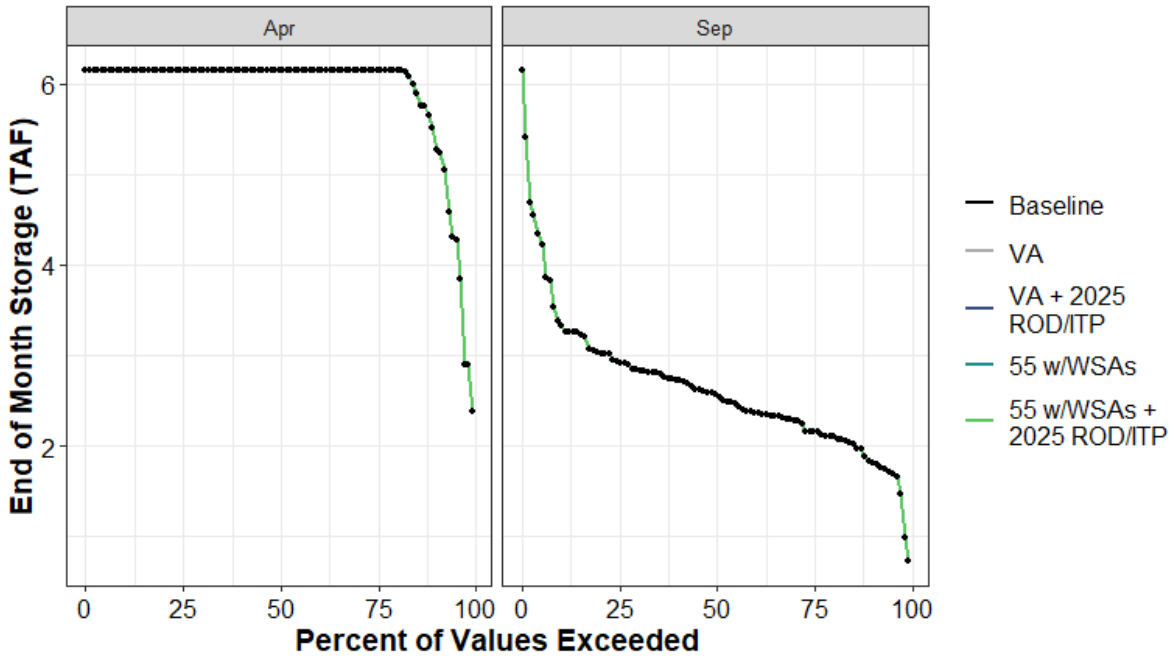

Figure H1a7-136. Philbrook Round Valley End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-275. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Philbrook Round Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1	0	0	0	0
10%	2	0	0	0	0
25%	2	0	0	0	0
50%	3	0	0	0	0
75%	3	0	0	0	0
90%	3	0	0	0	0
100%	6	0	0	0	0
Mean	3	0	0	0	0

Table H1a7-276. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Philbrook Round Valley

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2	0	0	0	0
10%	5	0	0	0	0
25%	6	0	0	0	0
50%	6	0	0	0	0
75%	6	0	0	0	0
90%	6	0	0	0	0
100%	6	0	0	0	0
Mean	6	0	0	0	0

H1a7.5.40 Rollins Reservoir (Bear River Watershed)

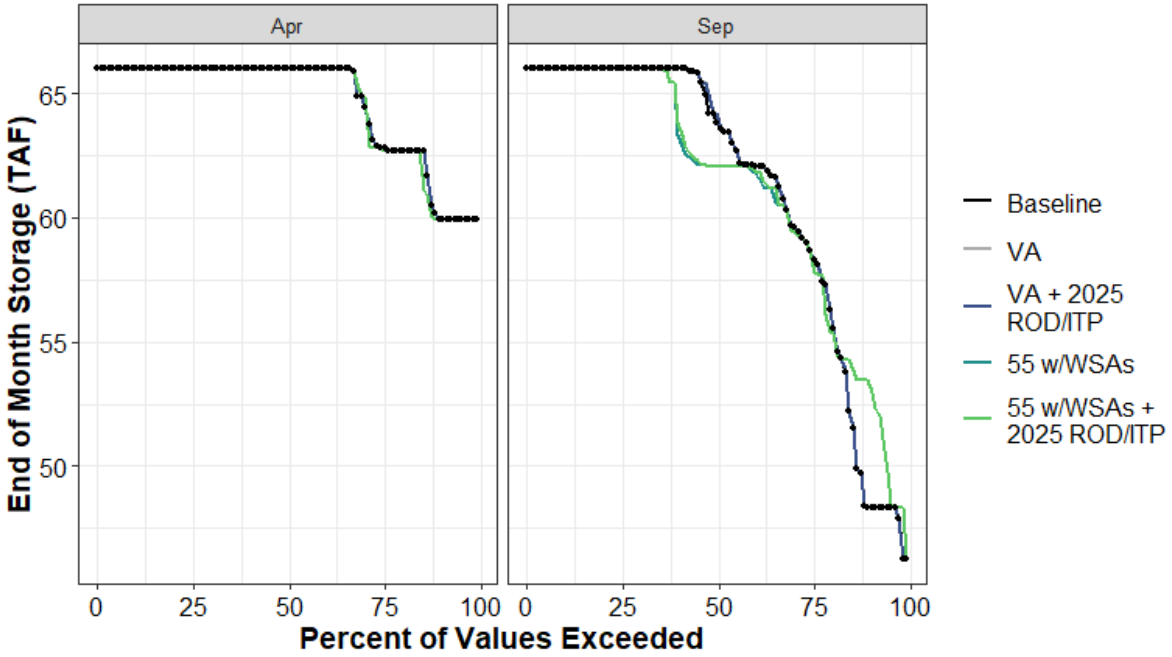

Figure H1a7-137. Rollins Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

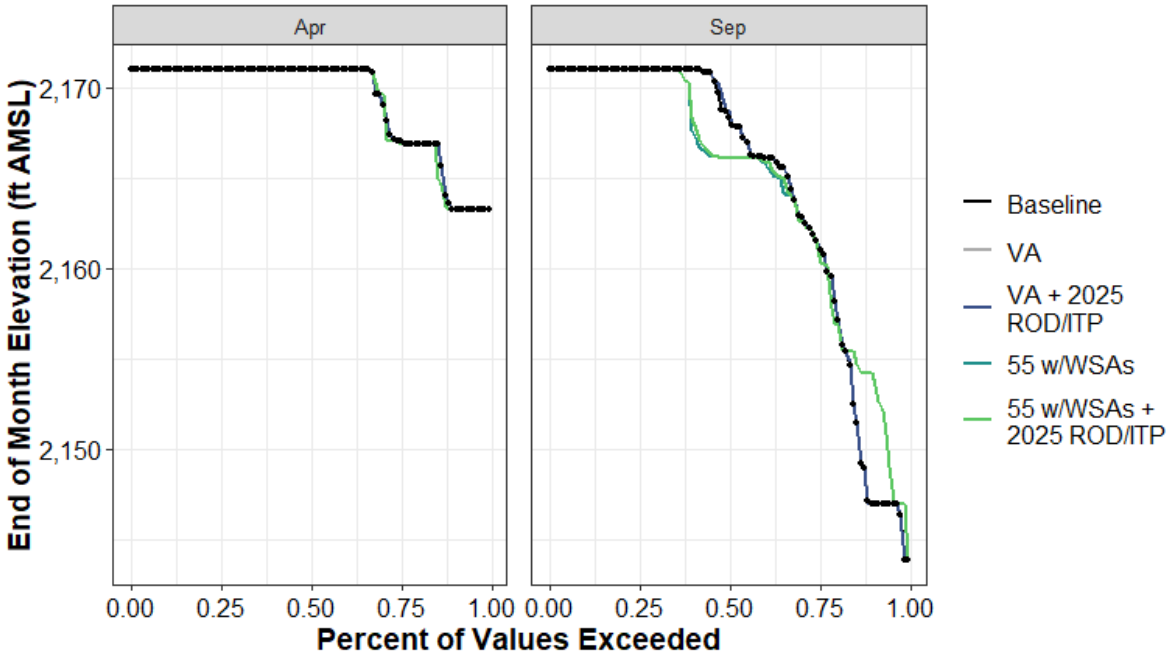

Figure H1a7-138. Rollins Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-277. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Rollins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	46	0	0	0	0
10%	48	0	0	5	5
25%	58	0	0	0	0
50%	64	0	0	-2	-2
75%	66	0	0	0	0
90%	66	0	0	0	0
100%	66	0	0	0	0
Mean	61	0	0	0	0

Table H1a7-278. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Rollins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2,144	0	0	0	0
10%	2,147	0	0	7	7
25%	2,161	0	0	0	0
50%	2,168	0	0	-2	-2
75%	2,171	0	0	0	0
90%	2,171	0	0	0	0
100%	2,171	0	0	0	0
Mean	2,165	0	0	0	0

Table H1a7-279. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Rollins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	60	0	0	0	0
10%	60	0	0	0	0
25%	63	0	0	0	0
50%	66	0	0	0	0
75%	66	0	0	0	0
90%	66	0	0	0	0
100%	66	0	0	0	0
Mean	65	0	0	0	0

Table H1a7-280. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Rollins Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2,163	0	0	0	0
10%	2,163	0	0	0	0
25%	2,167	0	0	0	0
50%	2,171	0	0	0	0
75%	2,171	0	0	0	0
90%	2,171	0	0	0	0
100%	2,171	0	0	0	0
Mean	2,169	0	0	0	0

H1a7.5.41 Salt Springs (Mokelumne River Watershed)

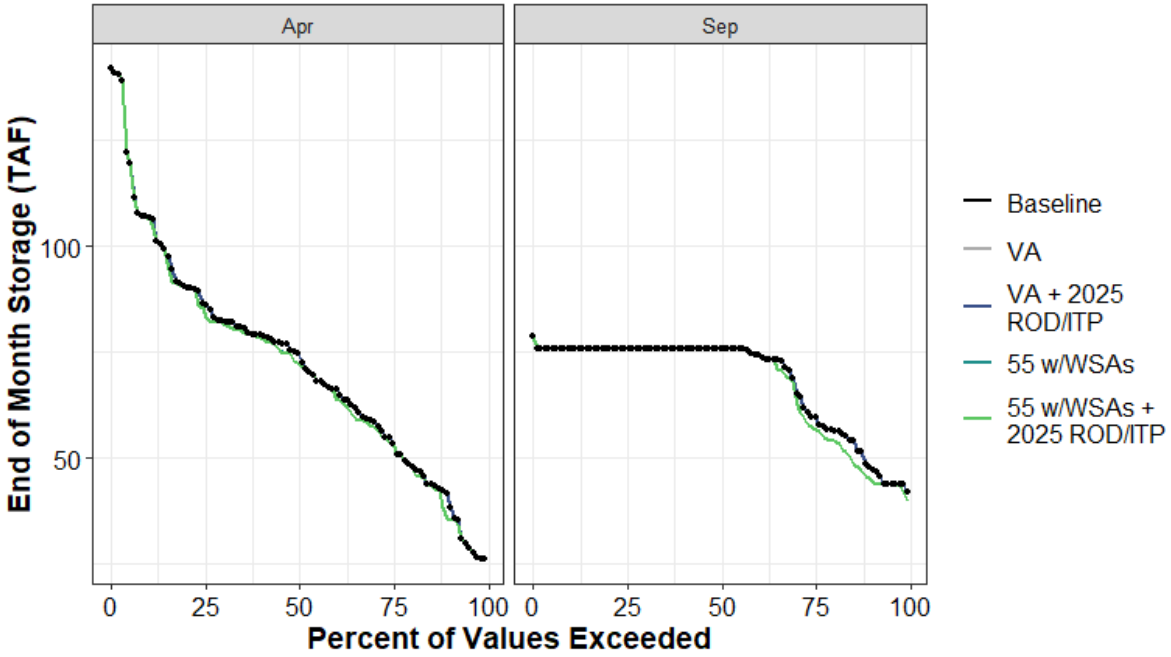

Figure H1a7-139. Salt Springs End of April and End of September Storage (TAF) Percent Exceedance Plot

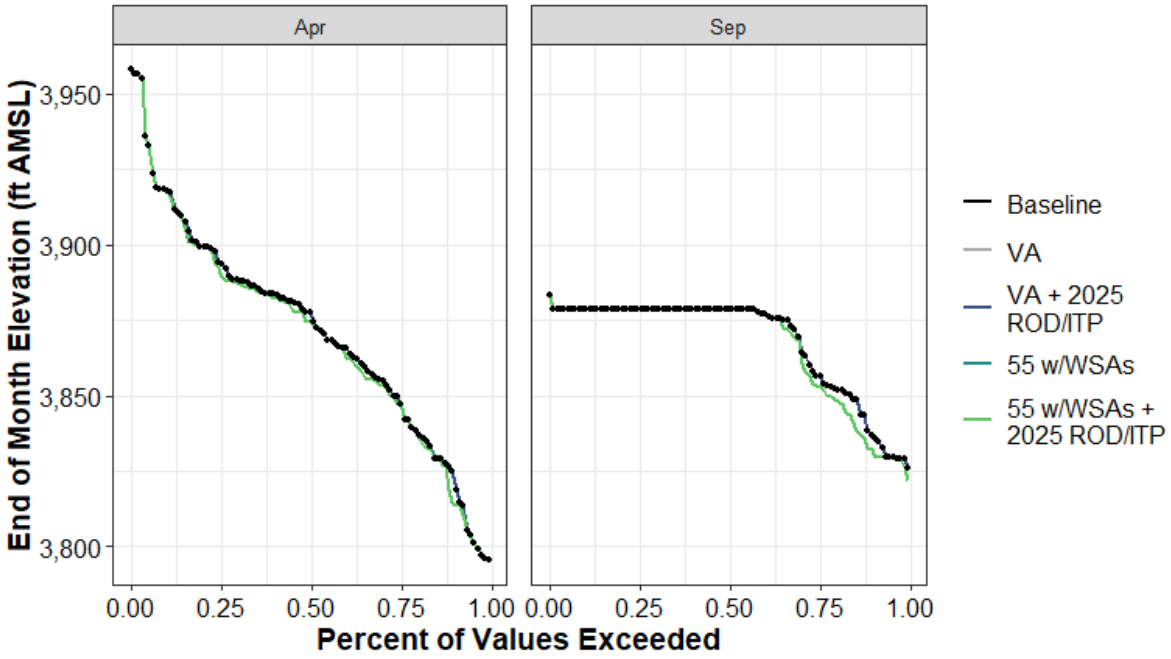

Figure H1a7-140. Salt Springs Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-281. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Salt Springs

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	42	0	0	-2	-2
10%	48	0	0	-3	-3
25%	60	0	0	-2	-2
50%	76	0	0	0	0
75%	76	0	0	0	0
90%	76	0	0	0	0
100%	79	0	0	0	0
Mean	68	0	0	-1	-1

Table H1a7-282. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Salt Springs

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,826	0	0	-4	-4
10%	3,837	0	0	-5	-5
25%	3,857	0	0	-3	-3
50%	3,879	0	0	0	0
75%	3,879	0	0	0	0
90%	3,879	0	0	0	0
100%	3,883	0	0	0	0
Mean	3,868	0	0	-1	-1

Table H1a7-283. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Salt Springs

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	26	0	0	0	0
10%	41	0	0	-5	-5
25%	54	0	0	-1	-1
50%	75	0	0	-2	-2
75%	86	0	0	-2	-2
90%	107	0	0	0	0
100%	142	0	0	0	0
Mean	73	0	0	-1	-1

Table H1a7-284. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Salt Springs

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,796	0	0	0	0
10%	3,824	0	0	-9	-9
25%	3,848	0	0	-1	-1
50%	3,878	0	0	-3	-3
75%	3,894	0	0	-3	-3
90%	3,918	0	0	0	0
100%	3,958	0	0	0	0
Mean	3,872	0	0	-1	-1

H1a7.5.42 Scotts Flat Reservoir (Yuba River Watershed)

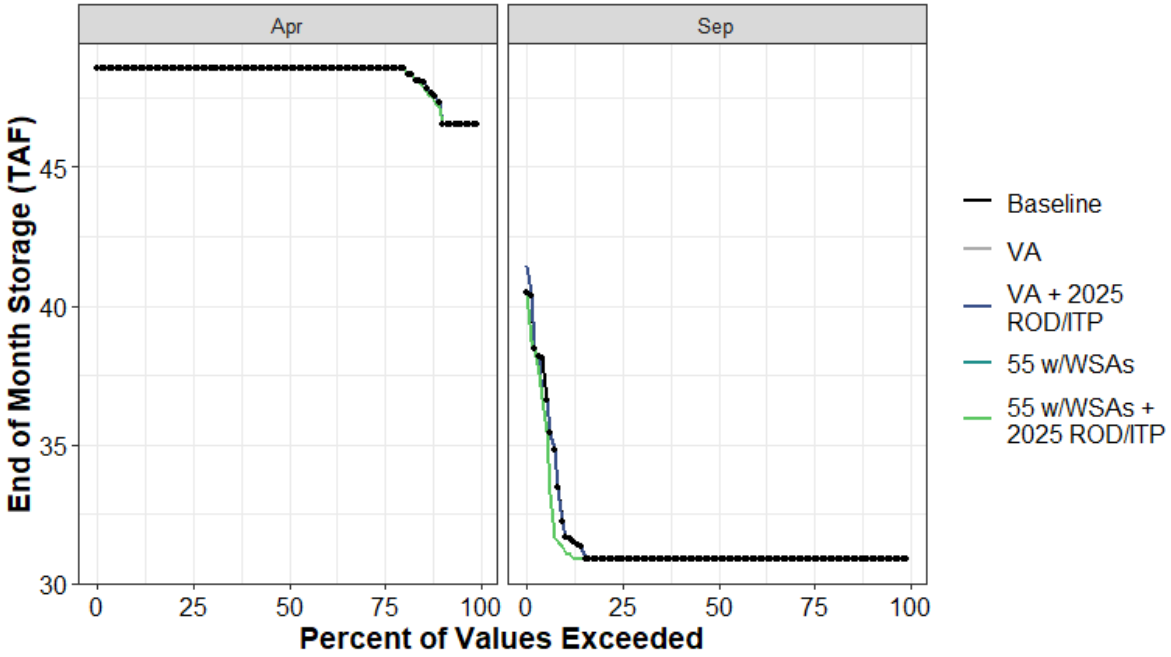

Figure H1a7-141. Scotts Flat Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

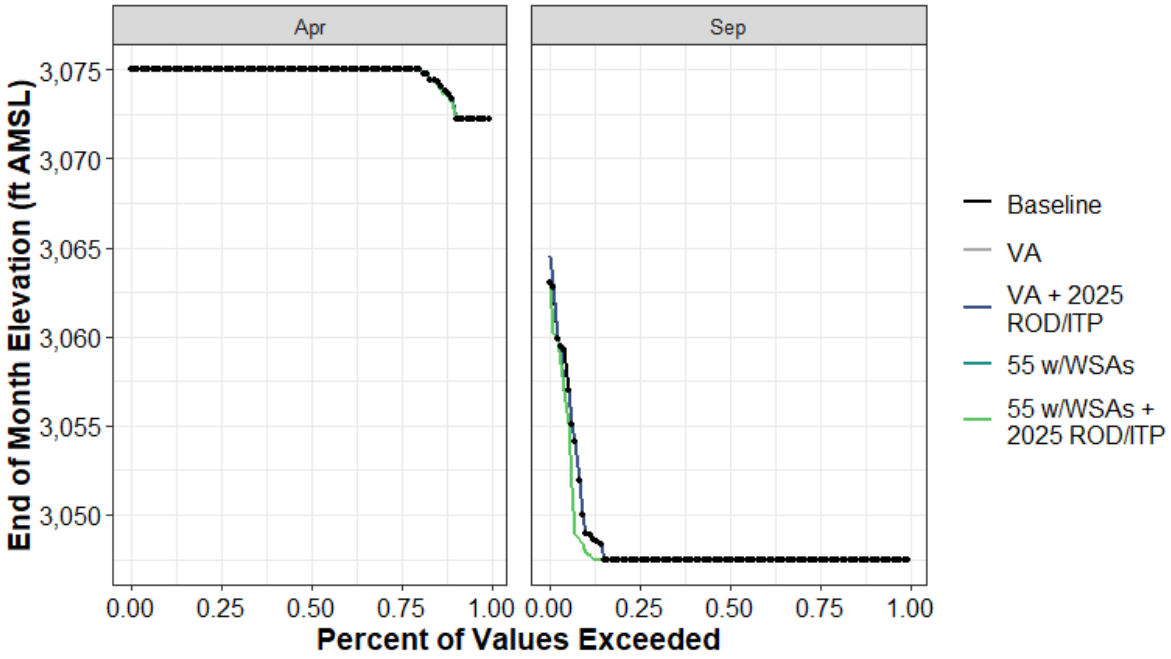

Figure H1a7-142. Scotts Flat Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-285. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Scotts Flat Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	31	0	0	0	0
10%	31	0	0	0	0
25%	31	0	0	0	0
50%	31	0	0	0	0
75%	31	0	0	0	0
90%	32	0	0	-1	-1
100%	40	1	1	0	0
Mean	32	0	0	0	0

Table H1a7-286. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Scotts Flat Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,047	0	0	0	0
10%	3,047	0	0	0	0
25%	3,047	0	0	0	0
50%	3,047	0	0	0	0
75%	3,047	0	0	0	0
90%	3,049	0	0	-1	-1
100%	3,063	2	2	0	0
Mean	3,048	0	0	0	0

Table H1a7-287. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Scotts Flat Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	47	0	0	0	0
10%	47	0	0	0	0
25%	49	0	0	0	0
50%	49	0	0	0	0
75%	49	0	0	0	0
90%	49	0	0	0	0
100%	49	0	0	0	0
Mean	48	0	0	0	0

Table H1a7-288. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Scotts Flat Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,072	0	0	0	0
10%	3,073	0	0	0	0
25%	3,075	0	0	0	0
50%	3,075	0	0	0	0
75%	3,075	0	0	0	0
90%	3,075	0	0	0	0
100%	3,075	0	0	0	0
Mean	3,075	0	0	0	0

H1a7.5.43 Shasta Lake (Sacramento River Watershed)

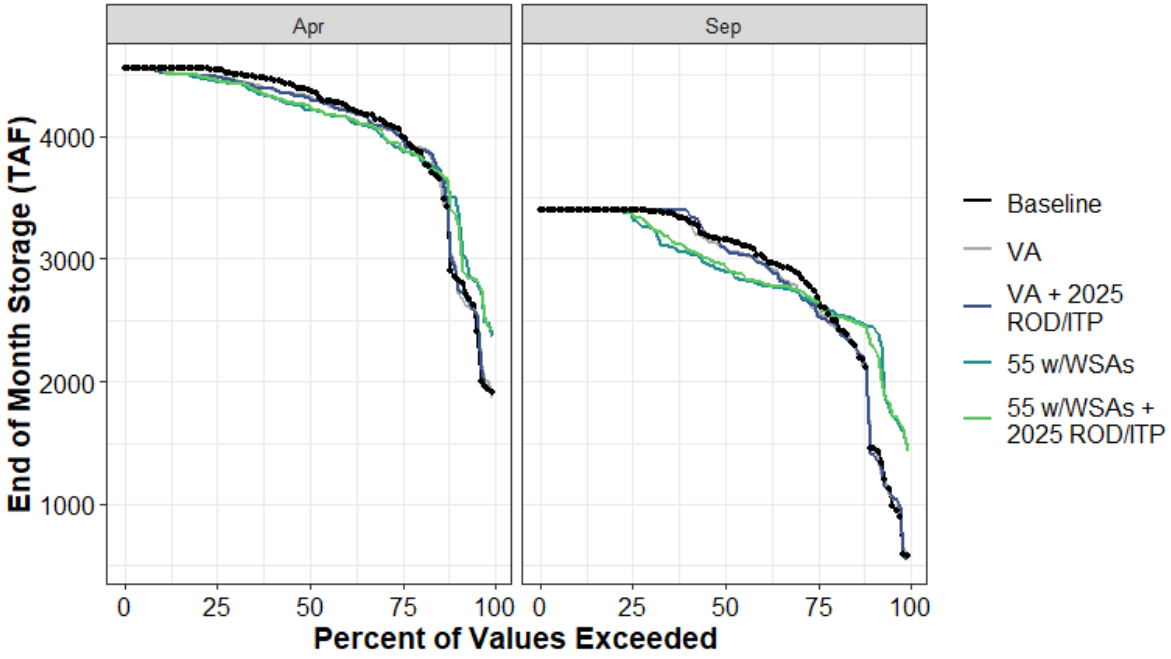

Figure H1a7-143. Shasta Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

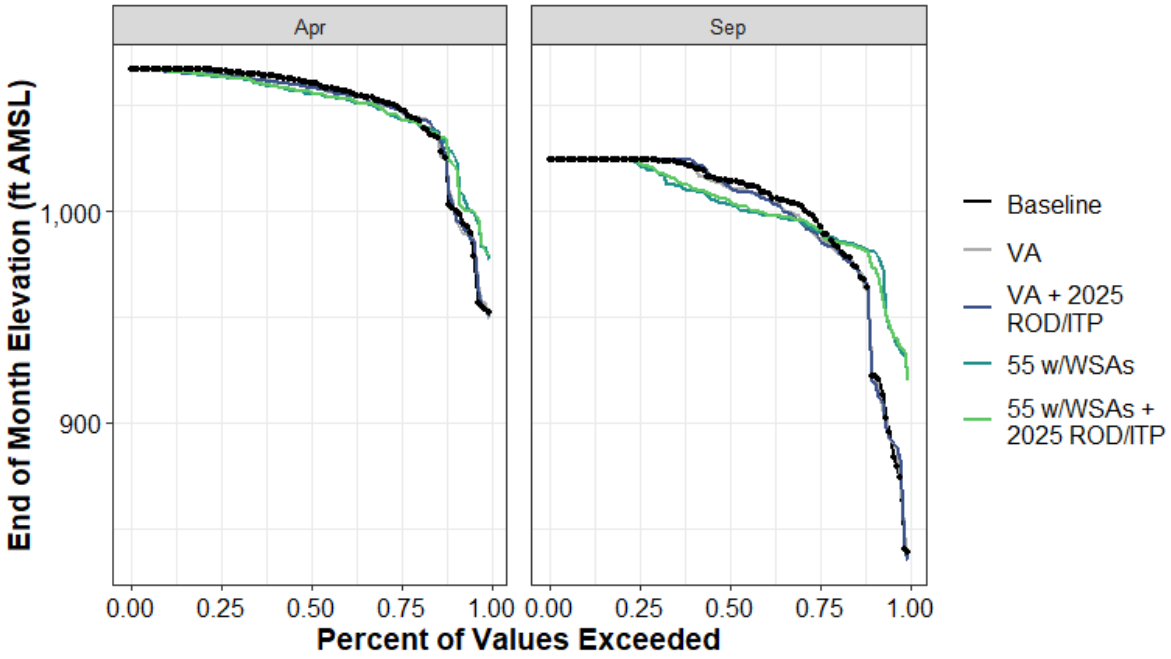

Figure H1a7-144. Shasta Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-289. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Shasta Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	576	-24	-24	871	850
10%	1,458	15	-41	991	841
25%	2,712	-134	-129	-72	-54
50%	3,159	-68	-61	-256	-208
75%	3,400	0	0	-59	-34
90%	3,400	0	0	0	0
100%	3,400	0	0	0	0
Mean	2,880	-31	-26	6	13

Table H1a7-290. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Shasta Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	838	-3	-3	83	82
10%	922	1	-3	59	51
25%	994	-7	-6	-4	-3
50%	1,014	-3	-3	-11	-9
75%	1,024	0	0	-2	-1
90%	1,024	0	0	0	0
100%	1,024	0	0	0	0
Mean	998	-1	-1	3	3

Table H1a7-291. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Shasta Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,916	-47	-31	460	492
10%	2,853	60	28	622	492
25%	4,030	-22	-16	-137	-118
50%	4,371	-39	-63	-157	-116
75%	4,543	-59	-61	-94	-84
90%	4,552	-30	-36	-12	-11
100%	4,552	0	0	0	0
Mean	4,093	-29	-29	-12	-11

Table H1a7-292. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Shasta Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	952	-3	-2	25	27
10%	1,001	3	1	26	21
25%	1,049	-1	-1	-5	-4
50%	1,061	-1	-2	-5	-4
75%	1,067	-2	-2	-3	-3
90%	1,067	-1	-1	0	0
100%	1,067	0	0	0	0
Mean	1,049	-1	-1	0	0

H1a7.5.44 Silver Lake (American River Watershed)

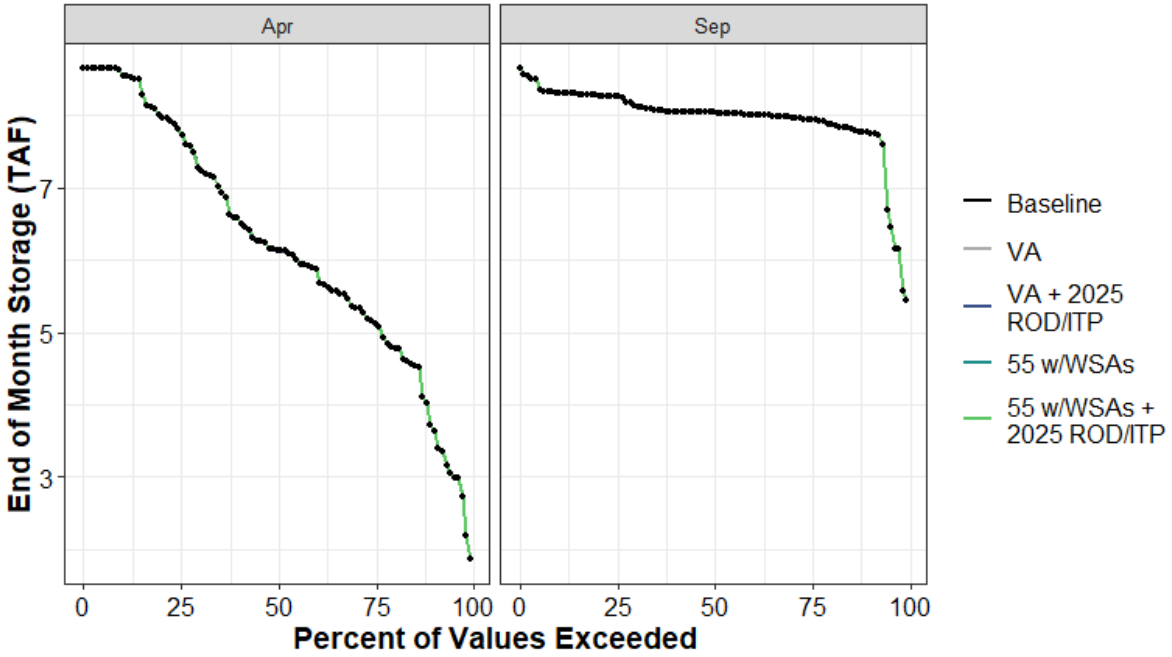

Figure H1a7-145. Silver Lake End of April and End of September Storage (TAF) Percent Exceedance Plot

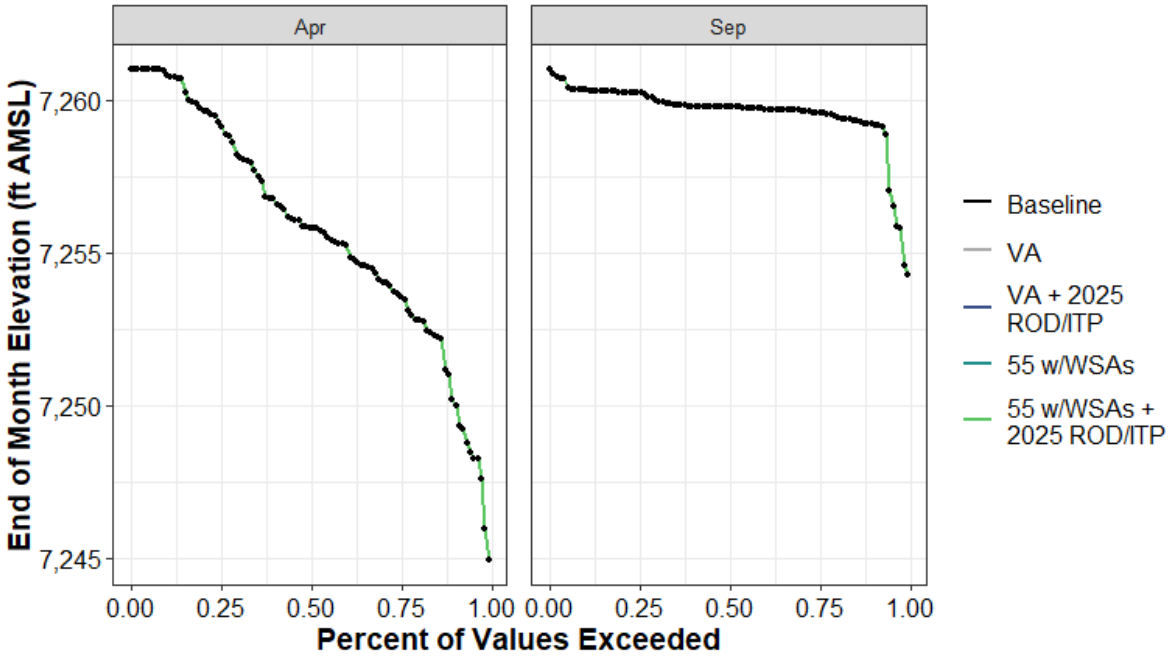

Figure H1a7-146. Silver Lake Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-293. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Silver Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5	0	0	0	0
10%	8	0	0	0	0
25%	8	0	0	0	0
50%	8	0	0	0	0
75%	8	0	0	0	0
90%	8	0	0	0	0
100%	9	0	0	0	0
Mean	8	0	0	0	0

Table H1a7-294. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Silver Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7,254	0	0	0	0
10%	7,259	0	0	0	0
25%	7,260	0	0	0	0
50%	7,260	0	0	0	0
75%	7,260	0	0	0	0
90%	7,260	0	0	0	0
100%	7,261	0	0	0	0
Mean	7,260	0	0	0	0

Table H1a7-295. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Silver Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2	0	0	0	0
10%	4	0	0	0	0
25%	5	0	0	0	0
50%	6	0	0	0	0
75%	8	0	0	0	0
90%	9	0	0	0	0
100%	9	0	0	0	0
Mean	6	0	0	0	0

Table H1a7-296. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Silver Lake

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7,245	0	0	0	0
10%	7,250	0	0	0	0
25%	7,254	0	0	0	0
50%	7,256	0	0	0	0
75%	7,259	0	0	0	0
90%	7,261	0	0	0	0
100%	7,261	0	0	0	0
Mean	7,256	0	0	0	0

H1a7.5.45 Sly Creek Reservoir (Feather River Watershed)

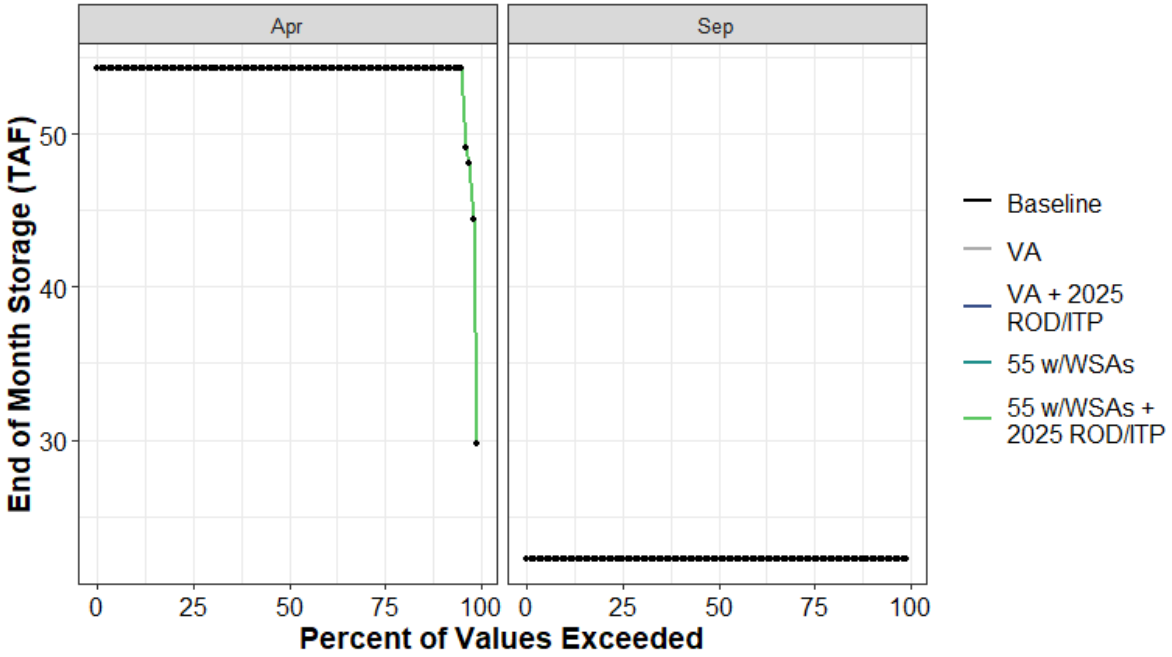

Figure H1a7-147. Sly Creek Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

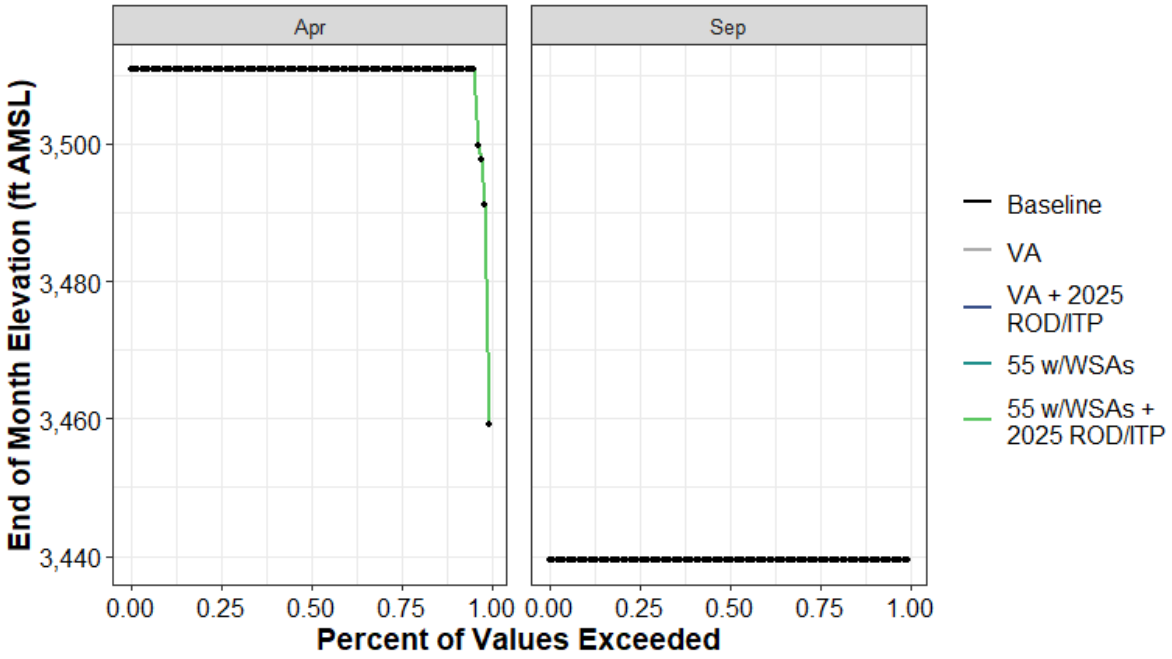

Figure H1a7-148. Sly Creek Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-297. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Sly Creek Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	22	0	0	0	0
10%	22	0	0	0	0
25%	22	0	0	0	0
50%	22	0	0	0	0
75%	22	0	0	0	0
90%	22	0	0	0	0
100%	22	0	0	0	0
Mean	22	0	0	0	0

Table H1a7-298. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Sly Creek Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,439	0	0	0	0
10%	3,439	0	0	0	0
25%	3,439	0	0	0	0
50%	3,439	0	0	0	0
75%	3,439	0	0	0	0
90%	3,439	0	0	0	0
100%	3,439	0	0	0	0
Mean	3,439	0	0	0	0

Table H1a7-299. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Sly Creek Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	30	0	0	0	0
10%	54	0	0	0	0
25%	54	0	0	0	0
50%	54	0	0	0	0
75%	54	0	0	0	0
90%	54	0	0	0	0
100%	54	0	0	0	0
Mean	54	0	0	0	0

Table H1a7-300. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Sly Creek Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,459	0	0	0	0
10%	3,511	0	0	0	0
25%	3,511	0	0	0	0
50%	3,511	0	0	0	0
75%	3,511	0	0	0	0
90%	3,511	0	0	0	0
100%	3,511	0	0	0	0
Mean	3,510	0	0	0	0

H1a7.5.46 Stony Gorge Reservoir (Stony Creek Watershed)

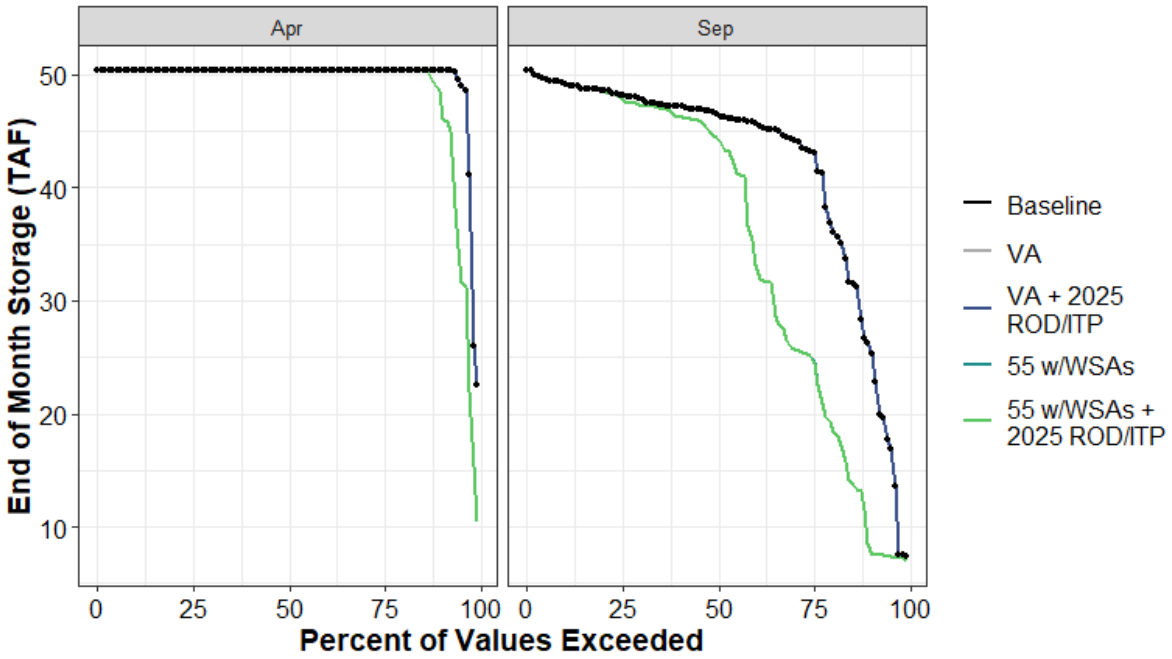

Figure H1a7-149. Stony Gorge Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

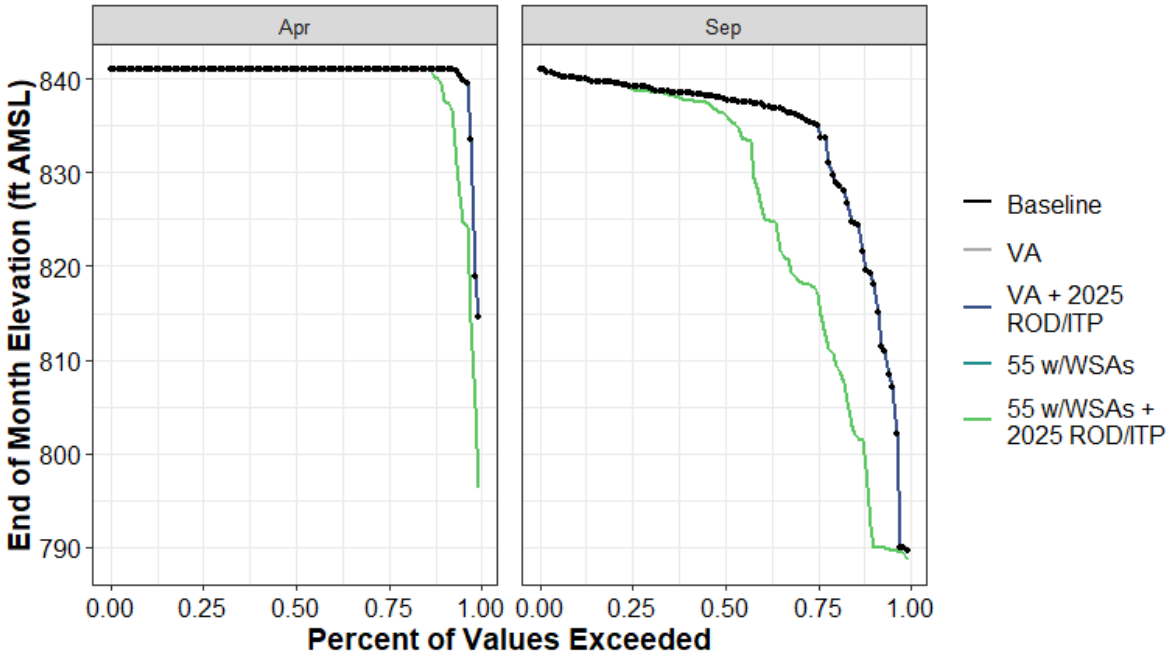

Figure H1a7-150. Stony Gorge Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-301. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Stony Gorge Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7	0	0	0	0
10%	26	0	0	-18	-18
25%	43	0	0	-18	-18
50%	47	0	0	-2	-2
75%	48	0	0	0	0
90%	49	0	0	0	0
100%	50	0	0	0	0
Mean	42	0	0	-7	-7

Table H1a7-302. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Stony Gorge Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	790	0	0	-1	-1
10%	819	0	0	-27	-27
25%	835	0	0	-18	-18
50%	838	0	0	-2	-2
75%	839	0	0	0	0
90%	840	0	0	0	0
100%	841	0	0	0	0
Mean	833	0	0	-7	-7

Table H1a7-303. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Stony Gorge Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	23	0	0	-12	-12
10%	50	0	0	-2	-2
25%	50	0	0	0	0
50%	50	0	0	0	0
75%	50	0	0	0	0
90%	50	0	0	0	0
100%	50	0	0	0	0
Mean	50	0	0	-1	-1

Table H1a7-304. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Stony Gorge Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	815	0	0	-18	-18
10%	841	0	0	-2	-2
25%	841	0	0	0	0
50%	841	0	0	0	0
75%	841	0	0	0	0
90%	841	0	0	0	0
100%	841	0	0	0	0
Mean	840	0	0	-1	-1

H1a7.5.47 Stumpy Meadows (American River Watershed)

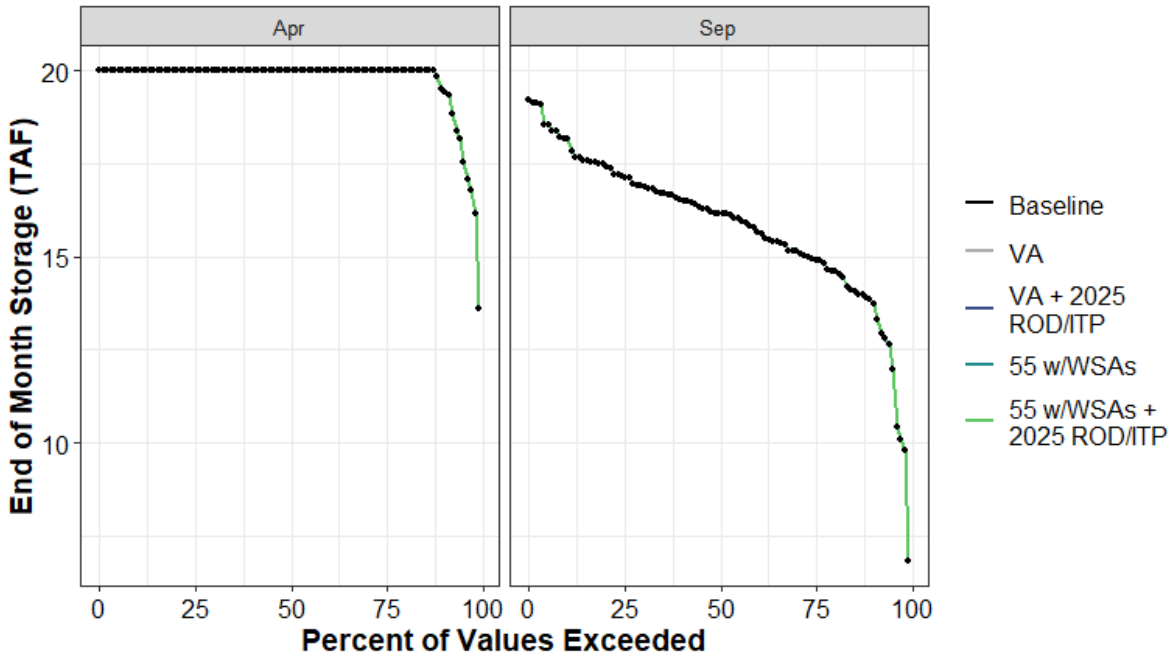

Figure H1a7-151. Stumpy Meadows End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-305. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Stumpy Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	7	0	0	0	0
10%	14	0	0	0	0
25%	15	0	0	0	0
50%	16	0	0	0	0
75%	17	0	0	0	0
90%	18	0	0	0	0
100%	19	0	0	0	0
Mean	16	0	0	0	0

Table H1a7-306. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Stumpy Meadows

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	14	0	0	0	0
10%	19	0	0	0	0
25%	20	0	0	0	0
50%	20	0	0	0	0
75%	20	0	0	0	0
90%	20	0	0	0	0
100%	20	0	0	0	0
Mean	20	0	0	0	0

H1a7.5.48 SWP San Luis Reservoir (South of Delta Offstream)

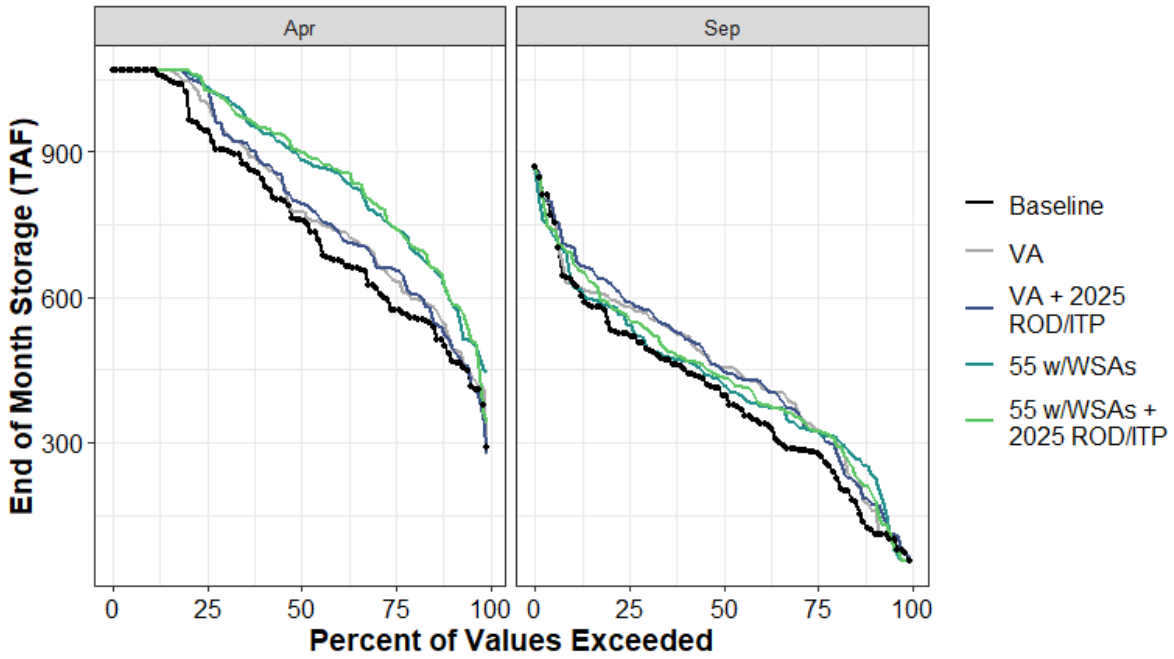

Figure H1a7-152. SWP San Luis Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

Table H1a7-307. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for SWP San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	56	-1	7	-1	-1
10%	118	43	55	114	74
25%	278	50	43	44	46
50%	397	59	52	24	37
75%	522	57	69	20	34
90%	629	0	74	-7	46
100%	869	-14	-10	-6	-4
Mean	396	48	57	31	39

Table H1a7-308. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for SWP San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	290	-15	-13	156	51
10%	479	27	29	113	116
25%	573	63	84	169	172
50%	759	18	36	126	143
75%	943	58	88	91	84
90%	1,067	0	0	0	0
100%	1,067	0	0	0	0
Mean	762	34	37	103	107

H1a7.5.49 Total San Luis Reservoir (South of Delta Offstream)

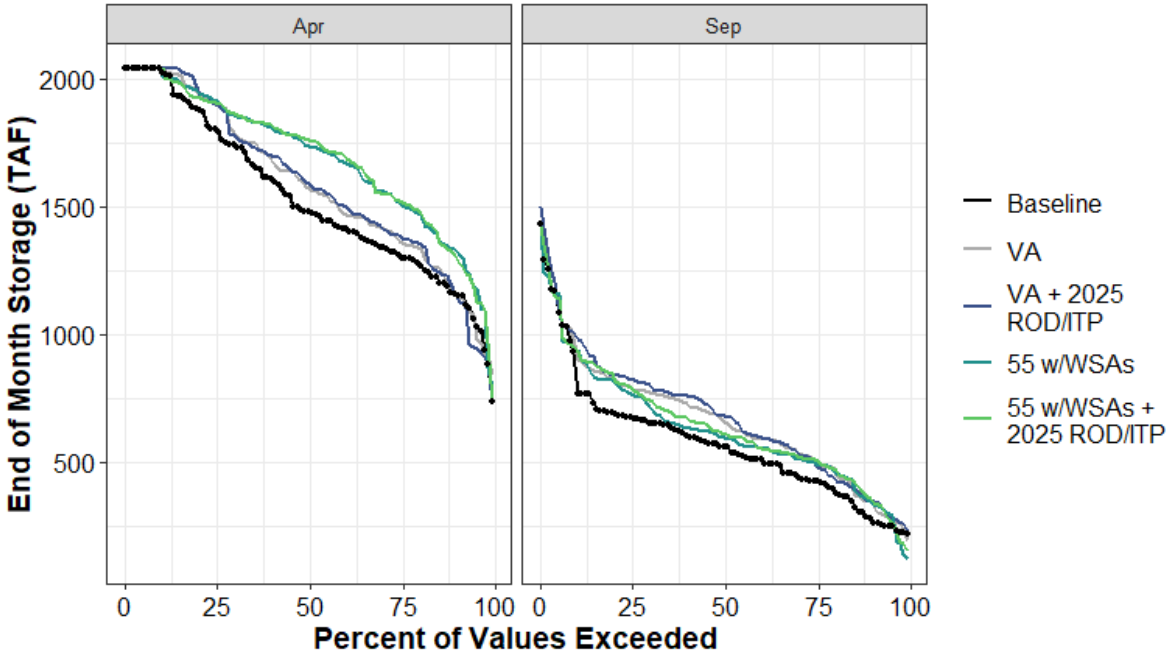

Figure H1a7-153. Total San Luis Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

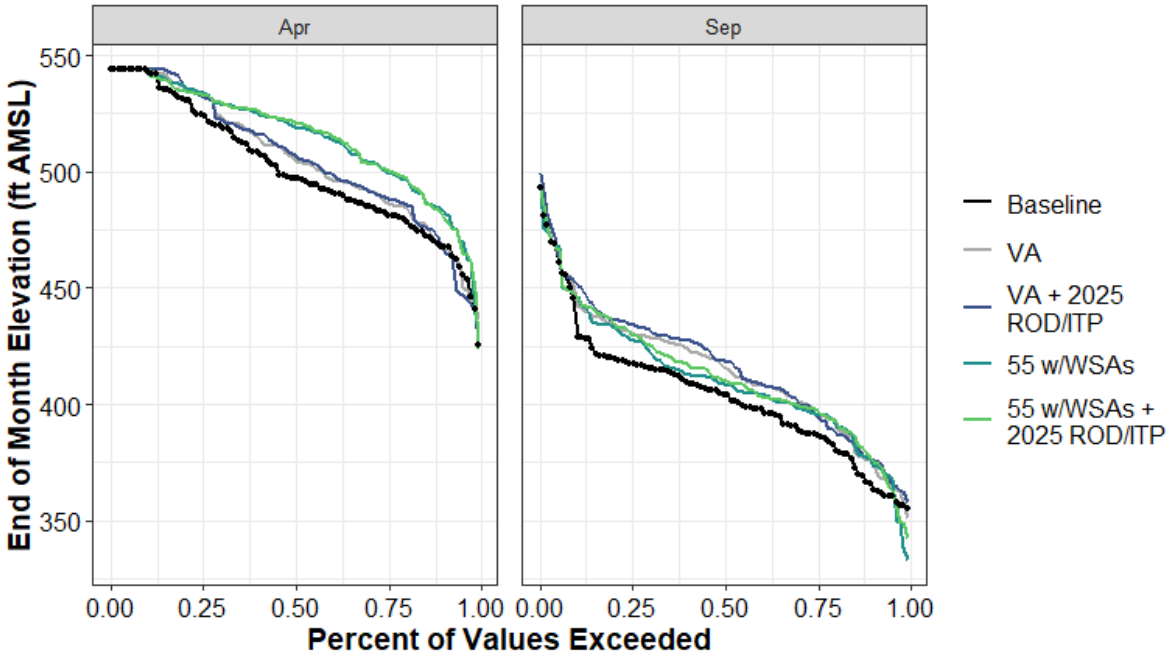

Figure H1a7-154. Total San Luis Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-309. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Total San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	218	-25	14	-100	-66
10%	276	67	71	68	77
25%	424	81	63	67	81
50%	559	94	120	37	49
75%	671	117	152	92	113
90%	801	113	185	133	134
100%	1,429	-14	67	-6	-4
Mean	574	87	103	53	69

Table H1a7-310. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Total San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	355	-4	3	-22	-13
10%	365	10	11	10	12
25%	387	11	8	9	11
50%	404	11	14	4	6
75%	418	13	17	10	13
90%	432	12	19	14	14
100%	493	-1	6	-1	0
Mean	404	10	12	6	8

Table H1a7-311. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Total San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	738	100	-10	49	-14
10%	1,156	-7	-3	172	150
25%	1,304	57	78	205	213
50%	1,478	90	114	257	284
75%	1,795	106	101	119	109
90%	2,028	11	11	-10	11
100%	2,039	0	0	0	0
Mean	1,533	56	59	155	157

Table H1a7-312. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Total San Luis Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	425	11	-1	5	-2
10%	468	-1	0	16	14
25%	482	5	7	18	19
50%	497	8	10	22	24
75%	524	9	8	10	9
90%	543	1	1	-1	1
100%	544	0	0	0	0
Mean	501	5	5	13	14

H1a7.5.50 Trinity Reservoir (Trinity River Watershed)

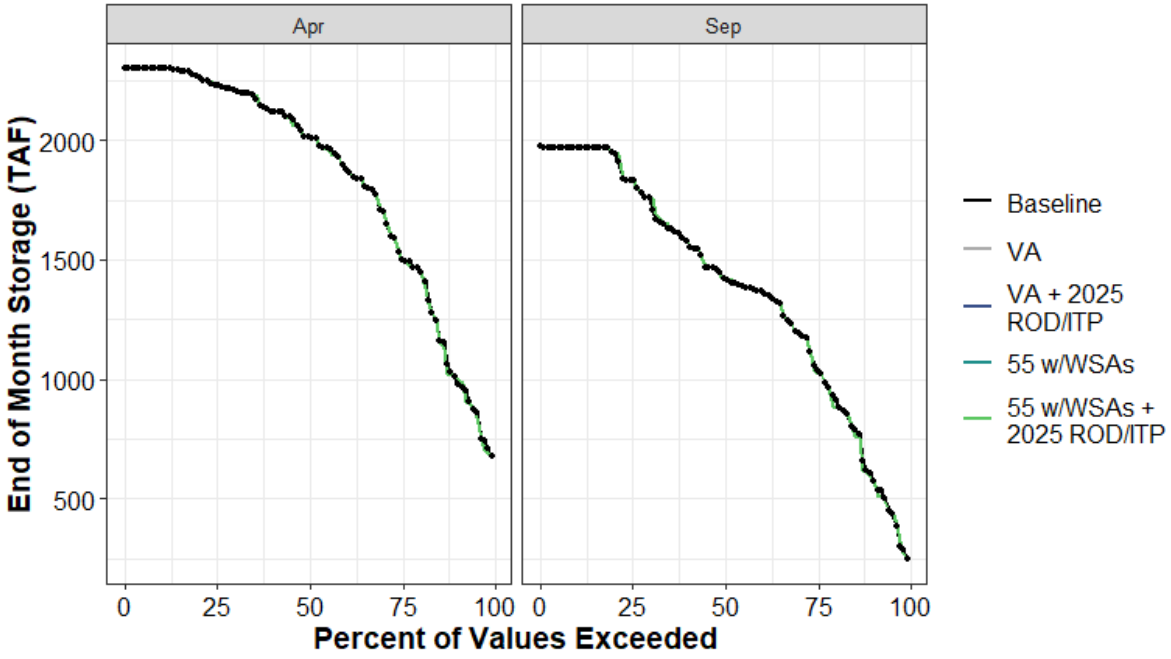

Figure H1a7-155. Trinity Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

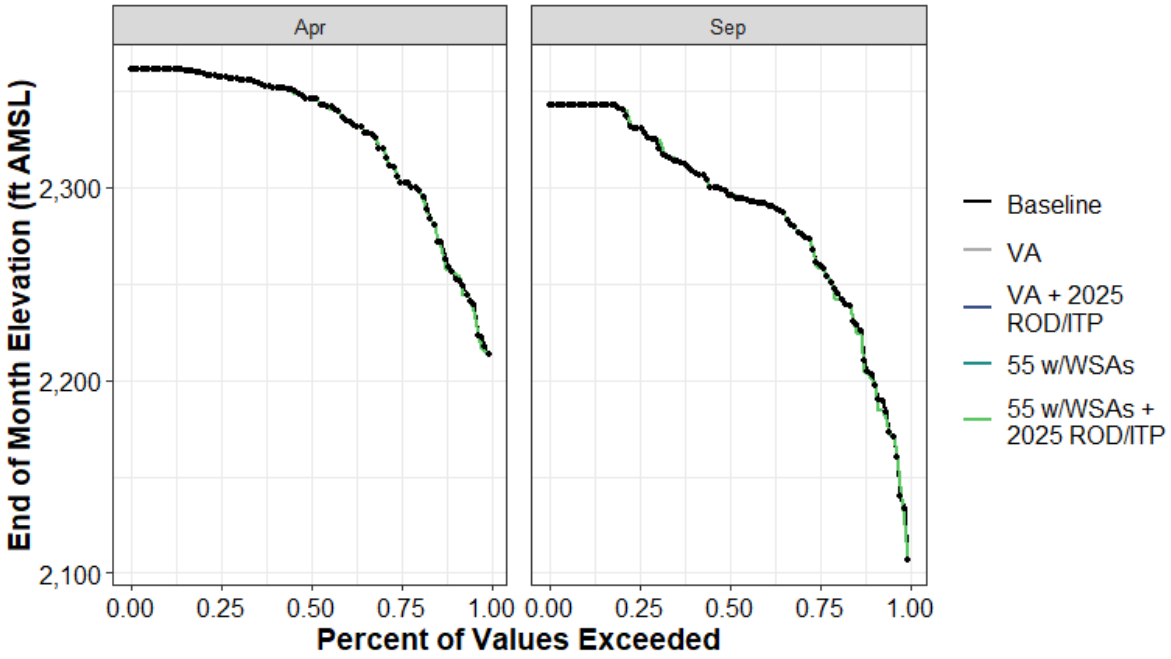

Figure H1a7-156. Trinity Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-313. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Trinity Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	246	0	0	0	0
10%	601	-16	-16	-16	-16
25%	1,046	-14	-14	-14	-14
50%	1,420	10	10	10	10
75%	1,831	0	0	0	0
90%	1,972	0	0	0	0
100%	1,972	0	0	0	0
Mean	1,385	-1	-1	-1	-1

Table H1a7-314. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Trinity Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2,107	0	0	0	0
10%	2,202	-2	-2	-2	-2
25%	2,260	-2	-2	-2	-2
50%	2,296	1	1	1	1
75%	2,331	0	0	0	0
90%	2,343	0	0	0	0
100%	2,343	0	0	0	0
Mean	2,286	0	0	0	0

Table H1a7-315. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Trinity Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	679	0	0	0	0
10%	1,004	8	8	8	8
25%	1,516	0	0	0	0
50%	2,012	0	0	0	0
75%	2,231	4	4	4	4
90%	2,300	0	0	0	0
100%	2,300	0	0	0	0
Mean	1,844	-2	-2	-2	-2

Table H1a7-316. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Trinity Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2,213	0	0	0	0
10%	2,255	1	1	1	1
25%	2,304	0	0	0	0
50%	2,346	0	0	0	0
75%	2,357	0	0	0	0
90%	2,361	0	0	0	0
100%	2,361	0	0	0	0
Mean	2,327	0	0	0	0

H1a7.5.51 Union Valley Reservoir (American River Watershed)

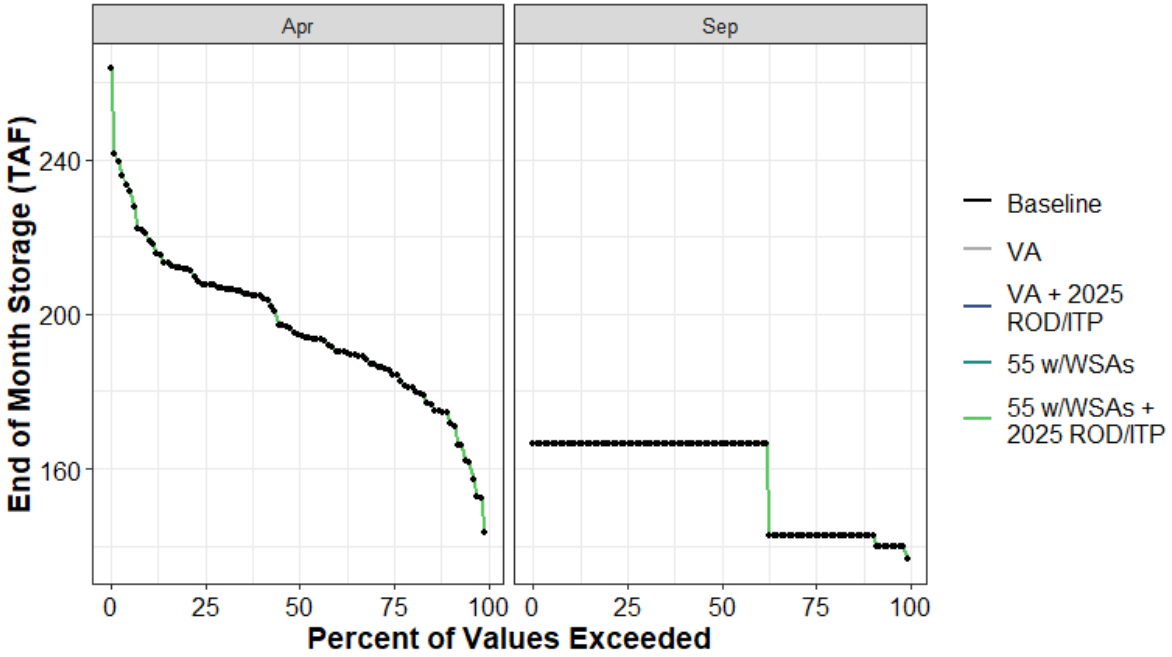

Figure H1a7-157. Union Valley Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

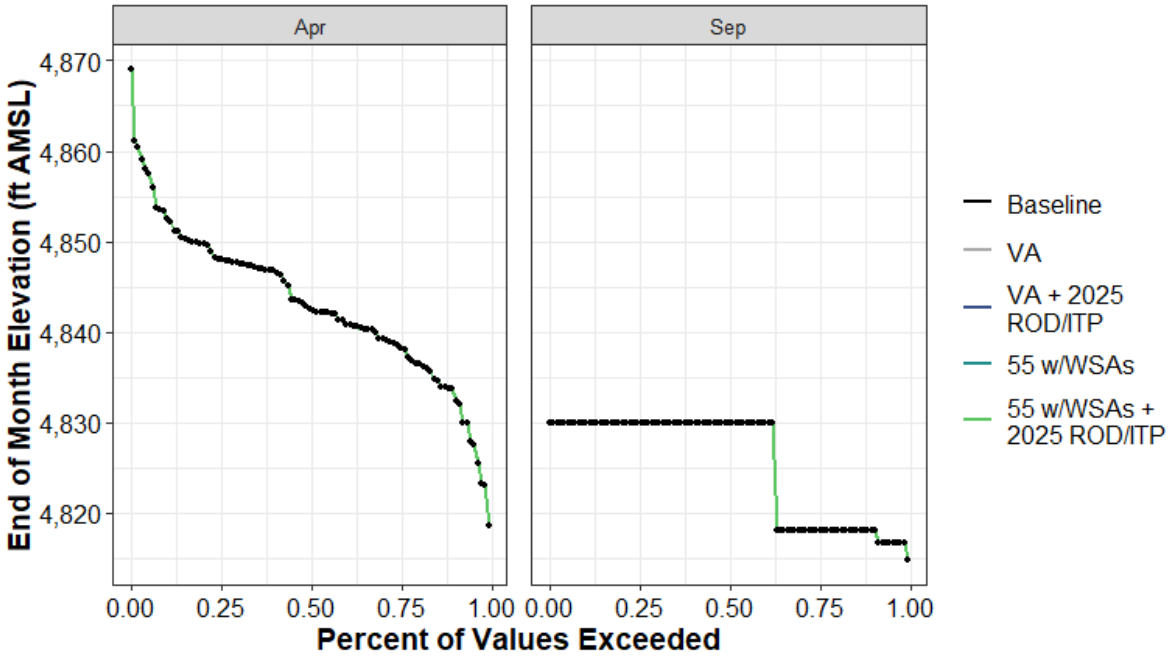

Figure H1a7-158. Union Valley Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-317. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Union Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	137	0	0	0	0
10%	143	0	0	0	0
25%	143	0	0	0	0
50%	166	0	0	0	0
75%	166	0	0	0	0
90%	166	0	0	0	0
100%	166	0	0	0	0
Mean	157	0	0	0	0

Table H1a7-318. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Union Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,815	0	0	0	0
10%	4,818	0	0	0	0
25%	4,818	0	0	0	0
50%	4,830	0	0	0	0
75%	4,830	0	0	0	0
90%	4,830	0	0	0	0
100%	4,830	0	0	0	0
Mean	4,825	0	0	0	0

Table H1a7-319. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Union Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	144	0	0	0	0
10%	174	0	0	0	0
25%	185	0	0	0	0
50%	195	0	0	0	0
75%	208	0	0	0	0
90%	219	0	0	0	0
100%	264	0	0	0	0
Mean	197	0	0	0	0

Table H1a7-320. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Union Valley Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,819	0	0	0	0
10%	4,833	0	0	0	0
25%	4,838	0	0	0	0
50%	4,843	0	0	0	0
75%	4,848	0	0	0	0
90%	4,853	0	0	0	0
100%	4,869	0	0	0	0
Mean	4,843	0	0	0	0

H1a7.5.52 Whiskeytown Reservoir (Clear Creek Watershed)

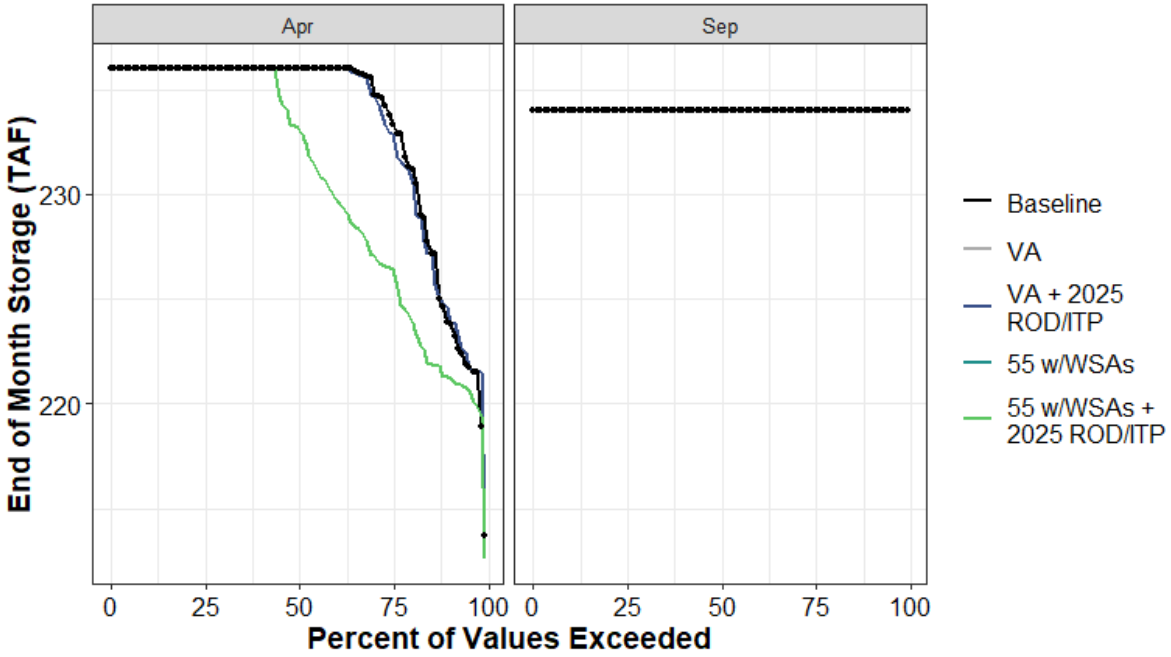

Figure H1a7-159. Whiskeytown Reservoir End of April and End of September Storage (TAF) Percent Exceedance Plot

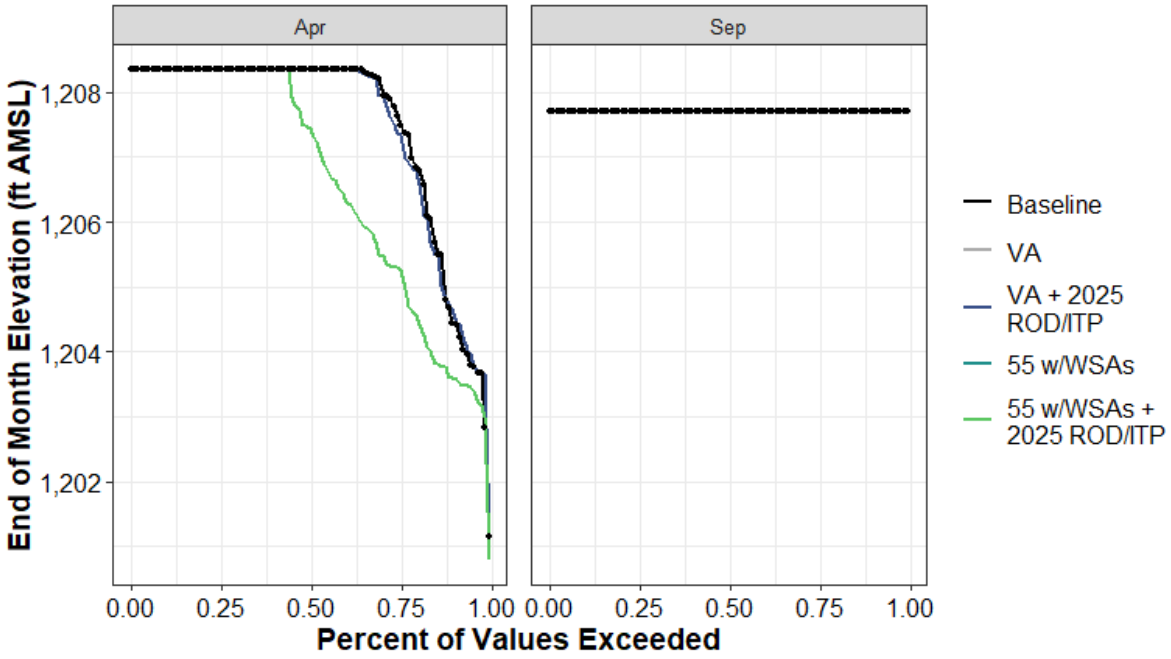

Figure H1a7-160. Whiskeytown Reservoir End-of-April and End-of-September Elevation (ft AMSL) Percent Exceedance Plot

Table H1a7-321. Distribution of Baseline End-of-September Carryover Storage (TAF) and Absolute Difference by Scenario for Whiskeytown Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	234	0	0	0	0
10%	234	0	0	0	0
25%	234	0	0	0	0
50%	234	0	0	0	0
75%	234	0	0	0	0
90%	234	0	0	0	0
100%	234	0	0	0	0
Mean	234	0	0	0	0

Table H1a7-322. Distribution of Baseline End-of-September Storage Elevation (TAF) and Absolute Difference by Scenario for Whiskeytown Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,208	0	0	0	0
10%	1,208	0	0	0	0
25%	1,208	0	0	0	0
50%	1,208	0	0	0	0
75%	1,208	0	0	0	0
90%	1,208	0	0	0	0
100%	1,208	0	0	0	0
Mean	1,208	0	0	0	0

Table H1a7-323. Distribution of Baseline End-of-April Storage (TAF) and Absolute Difference by Scenario for Whiskeytown Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	214	0	0	-1	-1
10%	224	1	1	-3	-3
25%	234	-1	-1	-7	-7
50%	236	0	0	-3	-3
75%	236	0	0	0	0
90%	236	0	0	0	0
100%	236	0	0	0	0
Mean	233	0	0	-3	-3

Table H1a7-324. Distribution of Baseline End-of-April Storage Elevation (TAF) and Absolute Difference by Scenario for Whiskeytown Reservoir

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,201	0	0	0	0
10%	1,204	0	0	-1	-1
25%	1,208	0	0	-2	-2
50%	1,208	0	0	-1	-1
75%	1,208	0	0	0	0
90%	1,208	0	0	0	0
100%	1,208	0	0	0	0
Mean	1,208	0	0	-1	-1

H1a7.6 Water Supply

In this section, SacWAM results for water supply are presented by water budget area (WBA), other logical groupings of demand sites within the model domain but outside of the valley floor (upper watershed and foothill, San Francisco Bay Area), CVP contract type, and SWP contract type. The values presented by WBA include total water supplied, including surface and groundwater to the demand locations by water year. Results presented for CVP and SWP deliveries only include surface supplies and are also summarized by water year. All water supply results are presented as simple

aggregations of transmission link flows to the set of demand sites identified for each summary. WBAs in the Sacramento Valley include water delivered to SWP and CVP contractors in those WBAs.

Water supplies for many demand sites groups remain essentially unchanged among the model scenarios presented here. The WBAs and other demand site groups identified in Table H1a7-325 show constant supplies for all water years in all scenarios summarized, and are not presented further in this appendix.

Table H1a7-325. Water Budget Areas and Demand Site Groups with Constant Supply (TAF) in all Water Years of all Scenarios.

WBA or Demand Site Group	Demand Type	Annual Supply
Water Budget Areas 4 and 6	Urban	21
Water Budget Area 5	Urban	9
Water Budget Area 7	Urban	7
Water Budget Area 8	Urban	8
Water Budget Area 9	Urban	0.3
Water Budget Area 10	Urban	32
Water Budget Area 11	Urban	12
Water Budget Area 15S	Urban	13
Water Budget Area 17	Urban	0.8
Water Budget Areas 18 and 19	Urban	0.7
Water Budget Area 22	Urban	2
Water Budget Area 23	Urban	1
Water Budget Area 61N	Urban	26

H1a7.6.1 Water Budget Area 2 (Agricultural)

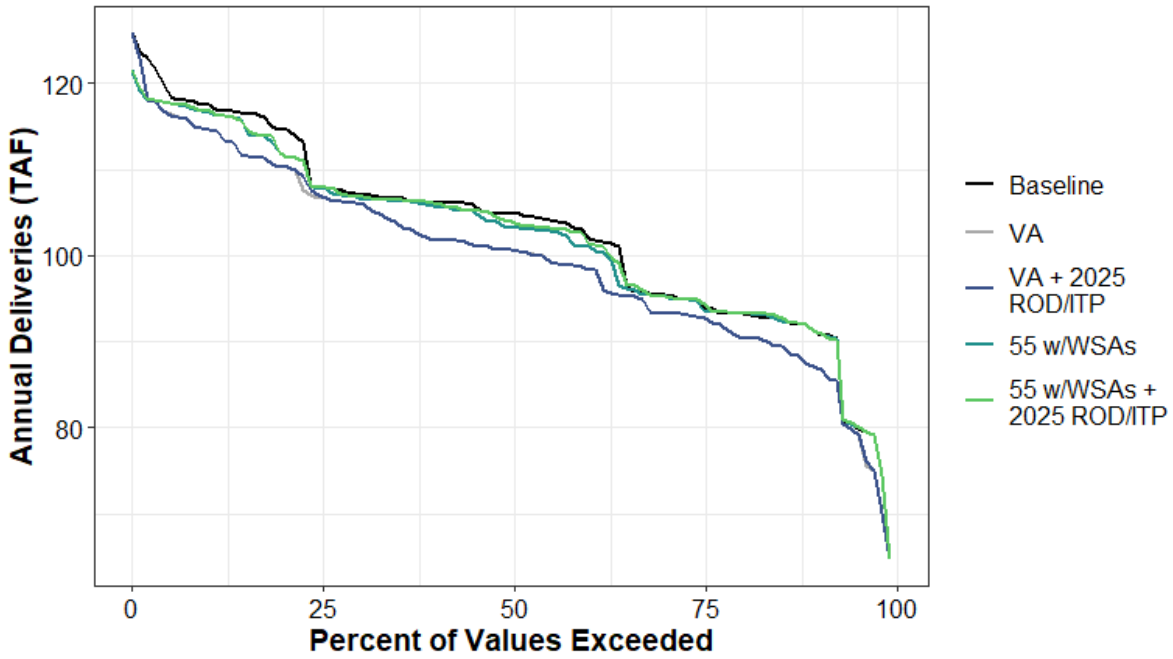

Figure H1a7-161. Total Water Supplied to Water Budget Area 2 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-326. Total Water Supplied to Water Budget Area 2 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	126	126	126	121	121
10%	118	115	115	117	117
20%	115	110	110	112	112
30%	107	106	106	107	107
40%	106	102	102	106	106
50%	105	101	101	103	104
60%	102	98	98	101	102
70%	95	93	93	95	95
80%	93	91	91	93	93
90%	91	87	87	91	91
100%	65	65	65	65	65
Mean	103	100	100	102	102

Table H1a7-327. Total Water Supplied to Water Budget Area 2 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	111	111	111	107	108
D	105	99	99	104	105
BN	105	99	99	105	105
AN	100	94	94	100	100
W	97	97	97	97	97
All	103	100	100	102	102

H1a7.6.2 Water Budget Area 2 (Urban)

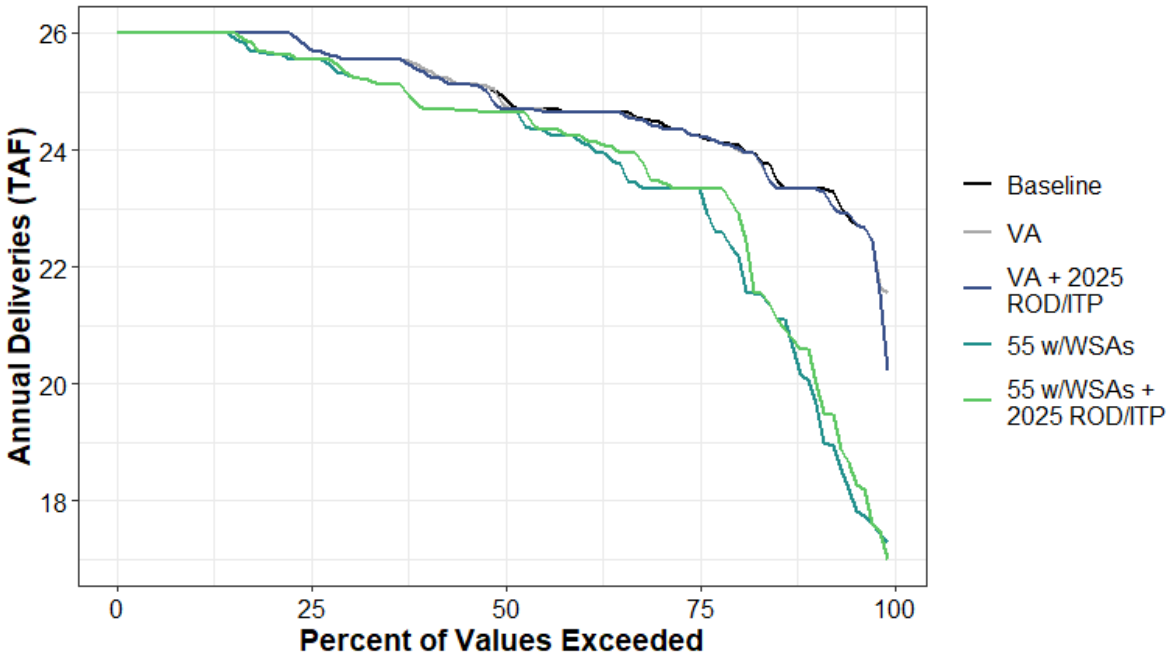

Figure H1a7-162. Total Water Supplied to Water Budget Area 2 (Urban) Annual Percent Exceedance Plot.

Table H1a7-328. Total Water Supplied to Water Budget Area 2 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	26	26	26	26	26
10%	26	26	26	26	26
20%	26	26	26	25.6	25.7
30%	25.5	25.5	25.5	25.3	25.3
40%	25.4	25.4	25.3	24.7	24.7
50%	24.9	24.8	24.7	24.7	24.6
60%	24.7	24.7	24.7	24.1	24.2
70%	24.5	24.4	24.4	23.3	23.5
80%	24.1	24	24	22.3	23
90%	23.3	23.3	23.3	20	20.5
100%	21.6	21.6	20.2	17.3	17
Mean	24.8	24.8	24.8	23.8	23.9

Table H1a7-329. Total Water Supplied to Water Budget Area 2 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	24.1	24.1	24	19.6	20.1
D	24.8	24.8	24.8	23.8	23.8
BN	24.4	24.4	24.4	24.2	24.3
AN	25.5	25.5	25.5	25.2	25.2
W	25.3	25.3	25.3	25.1	25.2
All	24.8	24.8	24.8	23.8	23.9

H1a7.6.3 Water Budget Area 3 (Agricultural)

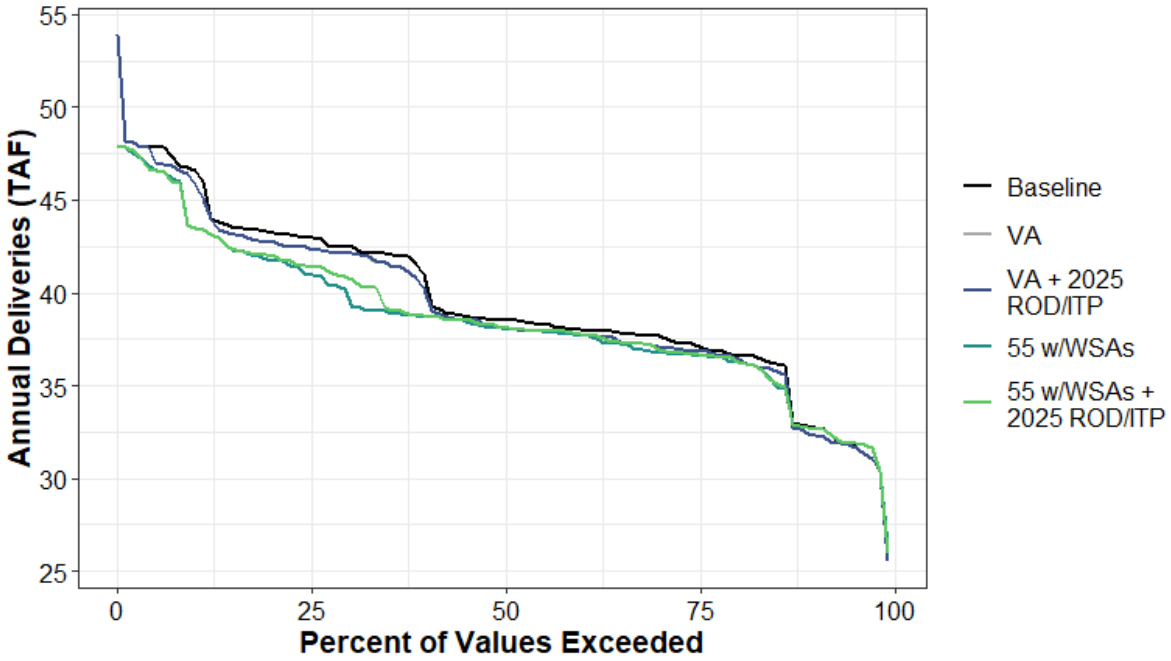

Figure H1a7-163. Total Water Supplied to Water Budget Area 3 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-330. Total Water Supplied to Water Budget Area 3 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	54	54	54	48	48
10%	47	46	46	44	44
20%	43	43	43	42	42
30%	42	42	42	40	41
40%	41	40	40	39	39
50%	39	38	38	38	38
60%	38	38	38	38	38
70%	38	37	37	37	37
80%	37	37	37	36	36
90%	33	32	32	33	33
100%	26	26	26	26	26
Mean	40	39	39	39	39

Table H1a7-331. Total Water Supplied to Water Budget Area 3 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	44	44	44	39	39
D	41	40	40	40	40
BN	39	38	38	39	39
AN	37	37	37	37	37
W	38	38	38	38	38
All	40	39	39	39	39

H1a7.6.4 Water Budget Area 3 (Urban)

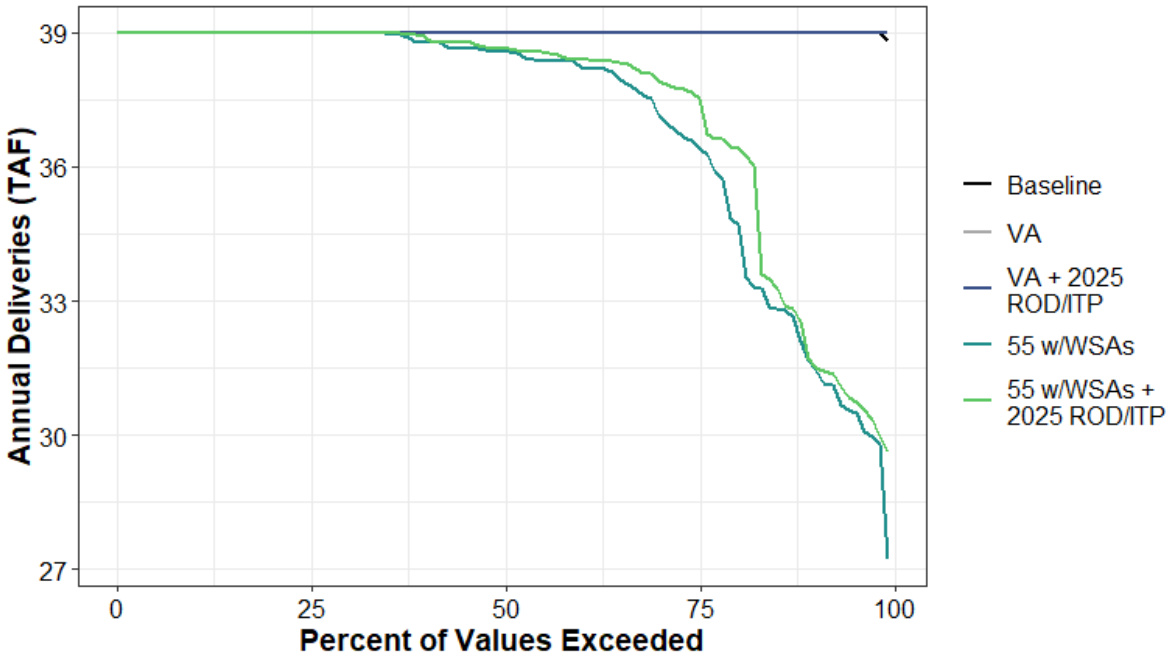

Figure H1a7-164. Total Water Supplied to Water Budget Area 3 (Urban) Annual Percent Exceedance Plot.

Table H1a7-332. Total Water Supplied to Water Budget Area 3 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	39	39	39	39	39
10%	39	39	39	39	39
20%	39	39	39	39	39
30%	39	39	39	39	39
40%	39	39	39	39	39
50%	39	39	39	39	39
60%	39	39	39	38	38
70%	39	39	39	37	38
80%	39	39	39	35	36
90%	39	39	39	32	32
100%	39	39	39	27	30
Mean	39	39	39	37	37

Table H1a7-333. Total Water Supplied to Water Budget Area 3 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	39	39	39	32	33
D	39	39	39	36	37
BN	39	39	39	38	39
AN	39	39	39	39	39
W	39	39	39	39	39
All	39	39	39	37	37

H1a7.6.5 Water Budget Areas 4 and 6 (Agricultural)

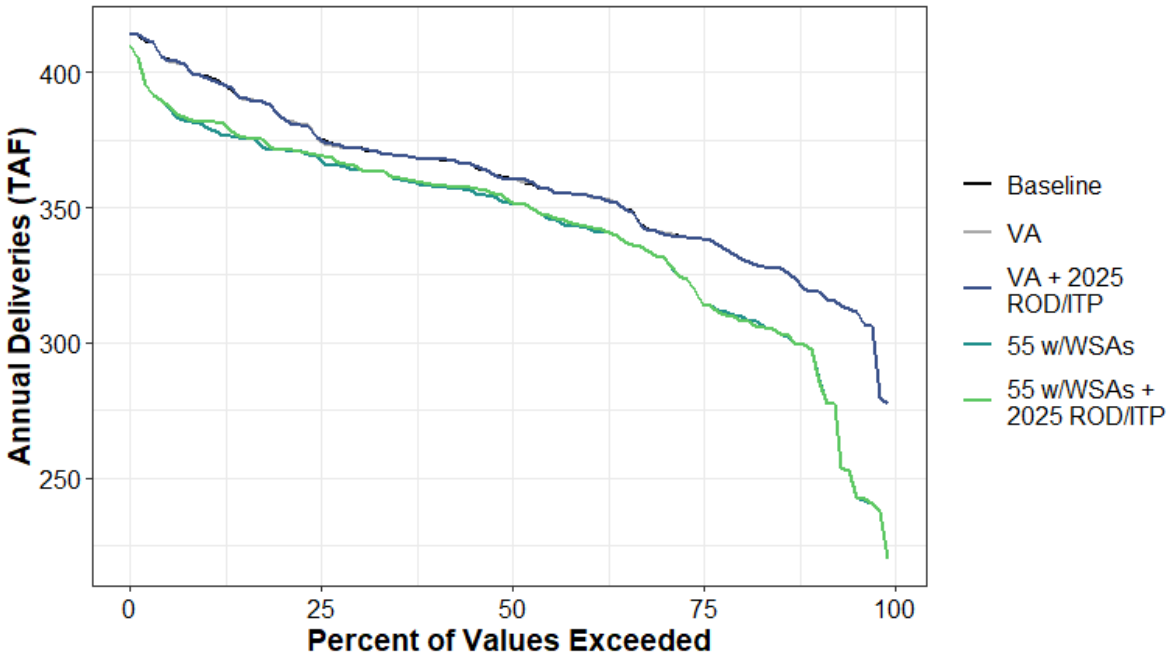

Figure H1a7-165. Total Water Supplied to Water Budget Areas 4 and 6 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-334. Total Water Supplied to Water Budget Areas 4 and 6 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	415	415	415	410	410
10%	399	398	398	380	382
20%	383	383	383	371	371
30%	372	372	372	364	365
40%	368	368	368	358	359
50%	361	360	361	352	353
60%	355	355	355	343	343
70%	341	341	341	332	332
80%	332	332	332	310	309
90%	319	319	319	295	295
100%	277	277	277	220	220
Mean	359	359	359	341	342

Table H1a7-335. Total Water Supplied to Water Budget Areas 4 and 6 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	385	385	385	362	363
D	369	369	369	361	362
BN	364	364	364	360	360
AN	343	343	343	333	333
W	340	340	340	306	306
All	359	359	359	341	342

H1a7.6.6 Water Budget Area 5 (Agricultural)

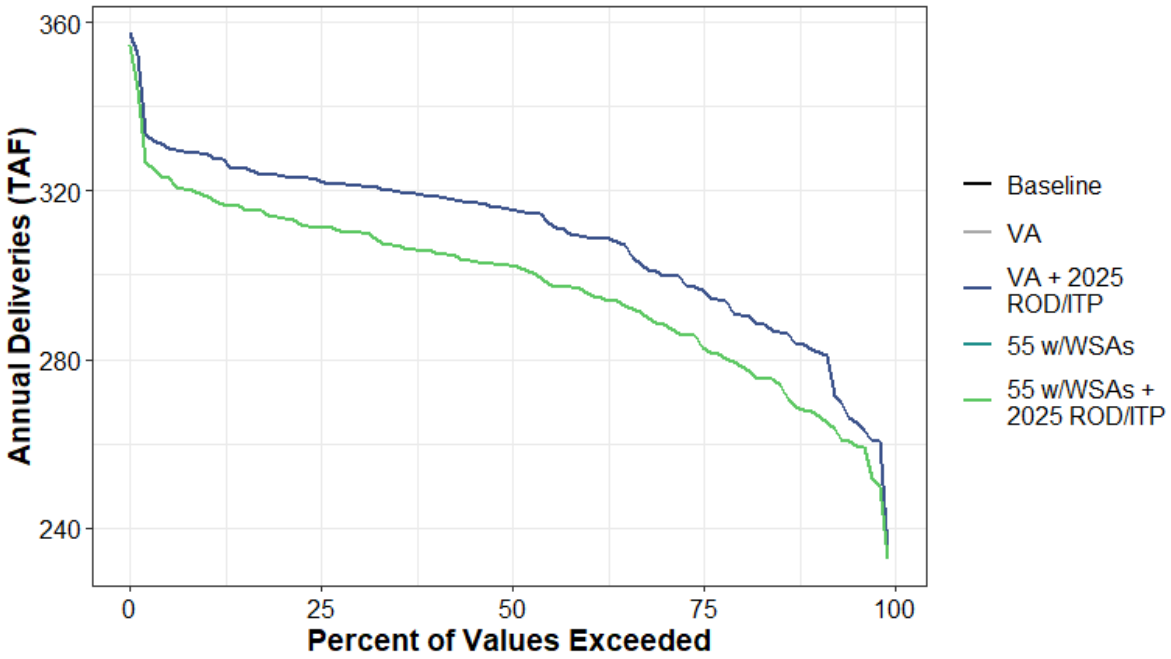

Figure H1a7-166. Total Water Supplied to Water Budget Area 5 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-336. Total Water Supplied to Water Budget Area 5 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	358	358	358	355	355
10%	329	329	329	319	319
20%	324	324	324	314	314
30%	321	321	321	310	310
40%	319	319	319	306	306
50%	316	316	316	302	302
60%	309	309	309	296	296
70%	300	300	300	288	288
80%	291	291	291	279	279
90%	282	282	282	267	267
100%	235	235	235	232	232
Mean	309	309	309	297	297

Table H1a7-337. Total Water Supplied to Water Budget Area 5 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	322	322	322	316	316
D	315	315	315	305	305
BN	309	309	309	297	297
AN	300	300	300	289	289
W	300	300	300	284	284
All	309	309	309	297	297

H1a7.6.7 Water Budget Area 7 (Agricultural)

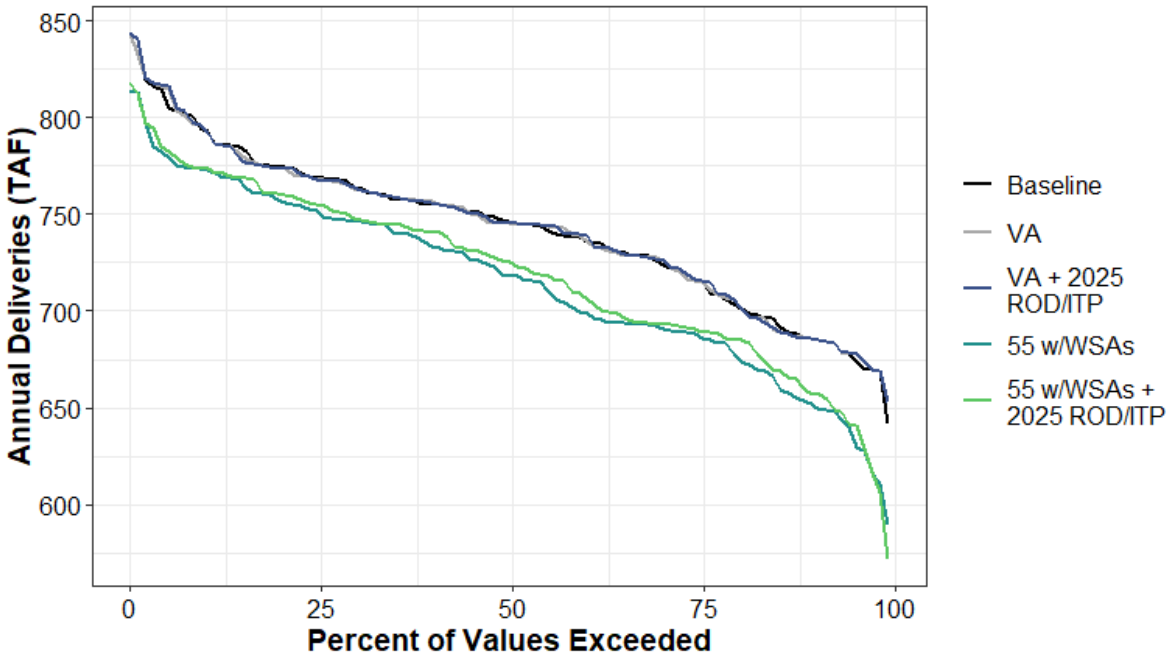

Figure H1a7-167. Total Water Supplied to Water Budget Area 7 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-338. Total Water Supplied to Water Budget Area 7 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	843	844	844	814	818
10%	793	793	793	773	773
20%	775	774	774	756	760
30%	763	763	763	746	748
40%	755	757	756	733	741
50%	746	745	745	718	726
60%	736	736	739	699	707
70%	725	727	726	692	693
80%	703	704	704	676	685
90%	686	686	686	651	657
100%	642	653	653	589	571
Mean	743	743	743	715	719

Table H1a7-339. Total Water Supplied to Water Budget Area 7 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	755	755	756	674	683
D	757	757	758	704	712
BN	758	760	760	745	749
AN	735	733	734	733	733
W	719	718	718	720	720
All	743	743	743	715	719

H1a7.6.8 Water Budget Area 8 (Agricultural)

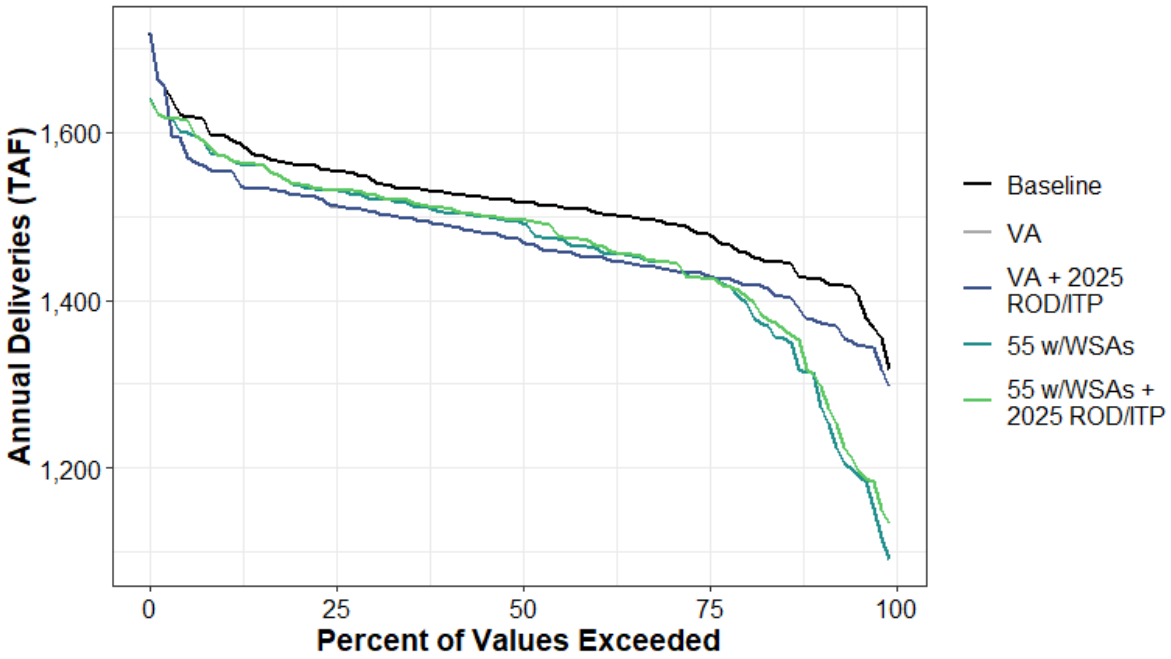

Figure H1a7-168. Total Water Supplied to Water Budget Area 8 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-340. Total Water Supplied to Water Budget Area 8 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,718	1,719	1,719	1,640	1,639
10%	1,596	1,554	1,554	1,573	1,573
20%	1,562	1,525	1,525	1,538	1,538
30%	1,545	1,507	1,507	1,521	1,526
40%	1,528	1,489	1,489	1,504	1,510
50%	1,517	1,473	1,473	1,493	1,496
60%	1,506	1,452	1,452	1,462	1,467
70%	1,492	1,437	1,437	1,446	1,446
80%	1,458	1,420	1,420	1,401	1,409
90%	1,426	1,376	1,376	1,305	1,310
100%	1,318	1,297	1,297	1,091	1,133
Mean	1,514	1,472	1,472	1,460	1,465

Table H1a7-341. Total Water Supplied to Water Budget Area 8 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,572	1,569	1,569	1,260	1,287
D	1,540	1,460	1,460	1,515	1,521
BN	1,526	1,447	1,447	1,530	1,531
AN	1,484	1,406	1,406	1,489	1,488
W	1,470	1,470	1,470	1,469	1,469
All	1,514	1,472	1,472	1,460	1,465

H1a7.6.9 Water Budget Area 8 (Refuge)

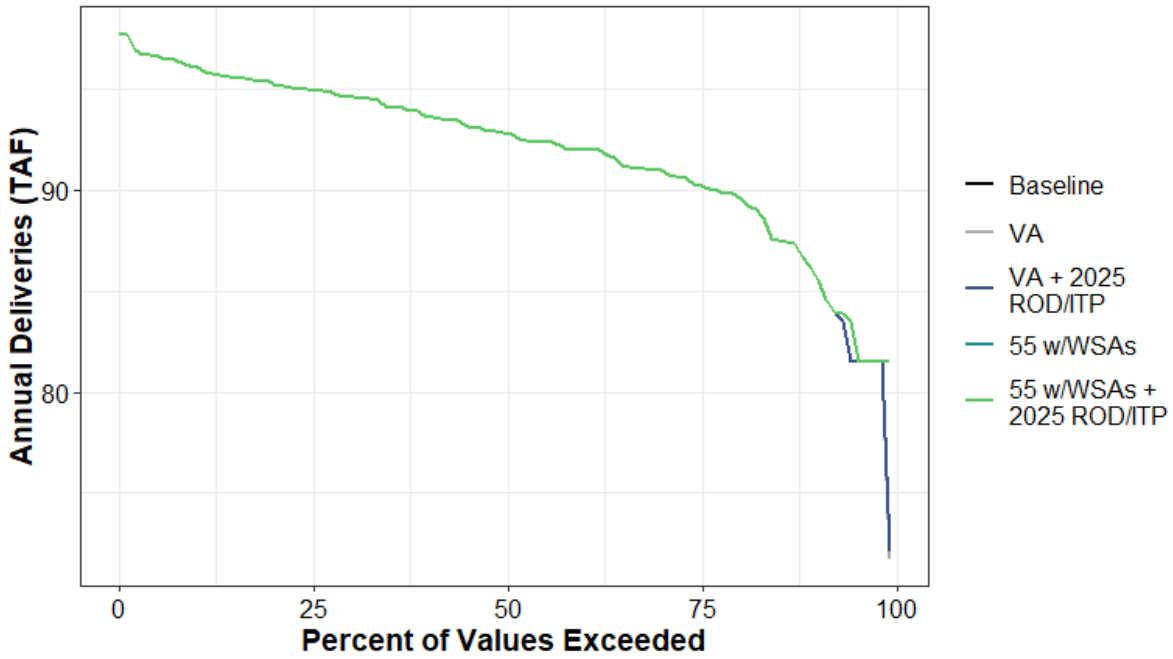

Figure H1a7-169. Total Water Supplied to Water Budget Area 8 (Refuge) Annual Percent Exceedance Plot.

Table H1a7-342. Total Water Supplied to Water Budget Area 8 (Refuge) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	98	98	98	98	98
10%	96	96	96	96	96
20%	95	95	95	95	95
30%	95	95	95	95	95
40%	94	94	94	94	94
50%	93	93	93	93	93
60%	92	92	92	92	92
70%	91	91	91	91	91
80%	90	90	90	90	90
90%	86	86	86	86	86
100%	82	72	72	82	82
Mean	92	92	92	92	92

Table H1a7-343. Total Water Supplied to Water Budget Area 8 (Refuge) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	90	90	90	90	90
D	93	93	93	93	93
BN	93	93	93	93	93
AN	91	90	90	91	91
W	92	92	92	92	92
All	92	92	92	92	92

H1a7.6.10 Water Budget Area 9 (Agricultural)

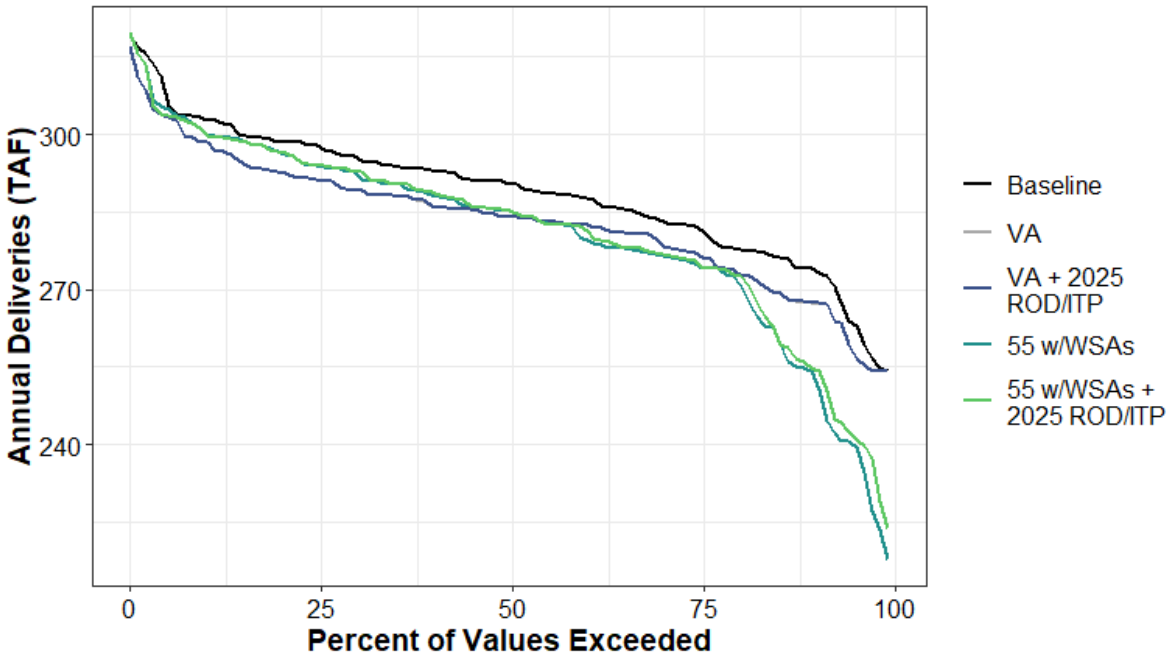

Figure H1a7-170. Total Water Supplied to Water Budget Area 9 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-344. Total Water Supplied to Water Budget Area 9 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	320	317	317	320	320
10%	303	299	299	300	300
20%	299	293	293	296	297
30%	295	289	289	292	293
40%	293	286	286	288	289
50%	291	284	284	285	285
60%	288	283	283	280	281
70%	283	279	279	277	277
80%	278	273	273	272	273
90%	274	267	267	254	255
100%	254	254	254	218	224
Mean	289	283	283	281	282

Table H1a7-345. Total Water Supplied to Water Budget Area 9 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	297	297	297	251	255
D	294	284	284	290	291
BN	294	283	283	295	295
AN	284	274	274	286	285
W	279	279	279	280	279
All	289	283	283	281	282

H1a7.6.11 Water Budget Area 9 (Refuge)

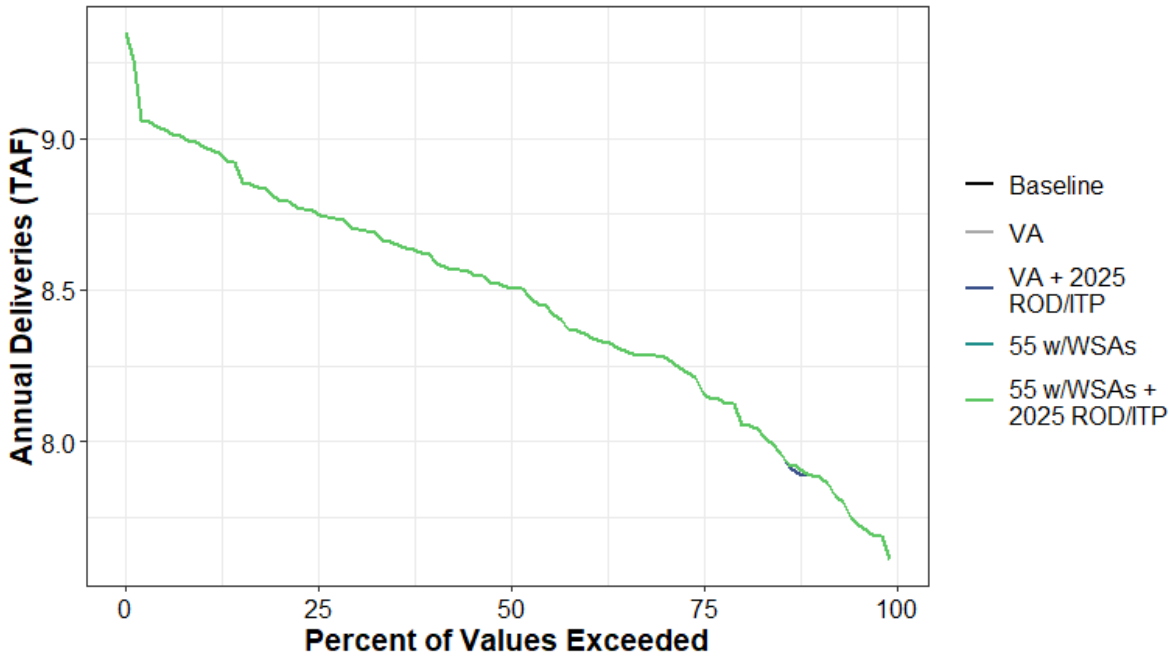

Figure H1a7-171. Total Water Supplied to Water Budget Area 9 (Refuge) Annual Percent Exceedance Plot.

Table H1a7-346. Total Water Supplied to Water Budget Area 9 (Refuge) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	9.3	9.3	9.3	9.3	9.3
10%	9	9	9	9	9
20%	8.8	8.8	8.8	8.8	8.8
30%	8.7	8.7	8.7	8.7	8.7
40%	8.6	8.6	8.6	8.6	8.6
50%	8.5	8.5	8.5	8.5	8.5
60%	8.4	8.4	8.4	8.4	8.4
70%	8.3	8.3	8.3	8.3	8.3
80%	8.1	8.1	8.1	8.1	8.1
90%	7.9	7.9	7.9	7.9	7.9
100%	7.6	7.6	7.6	7.6	7.6
Mean	8.5	8.5	8.5	8.5	8.5

Table H1a7-347. Total Water Supplied to Water Budget Area 9 (Refuge) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	8.8	8.8	8.8	8.8	8.8
D	8.6	8.6	8.6	8.6	8.6
BN	8.6	8.6	8.6	8.6	8.6
AN	8.3	8.3	8.3	8.3	8.3
W	8.2	8.2	8.2	8.2	8.2
All	8.5	8.5	8.5	8.5	8.5

H1a7.6.12 Water Budget Area 10 (Agricultural)

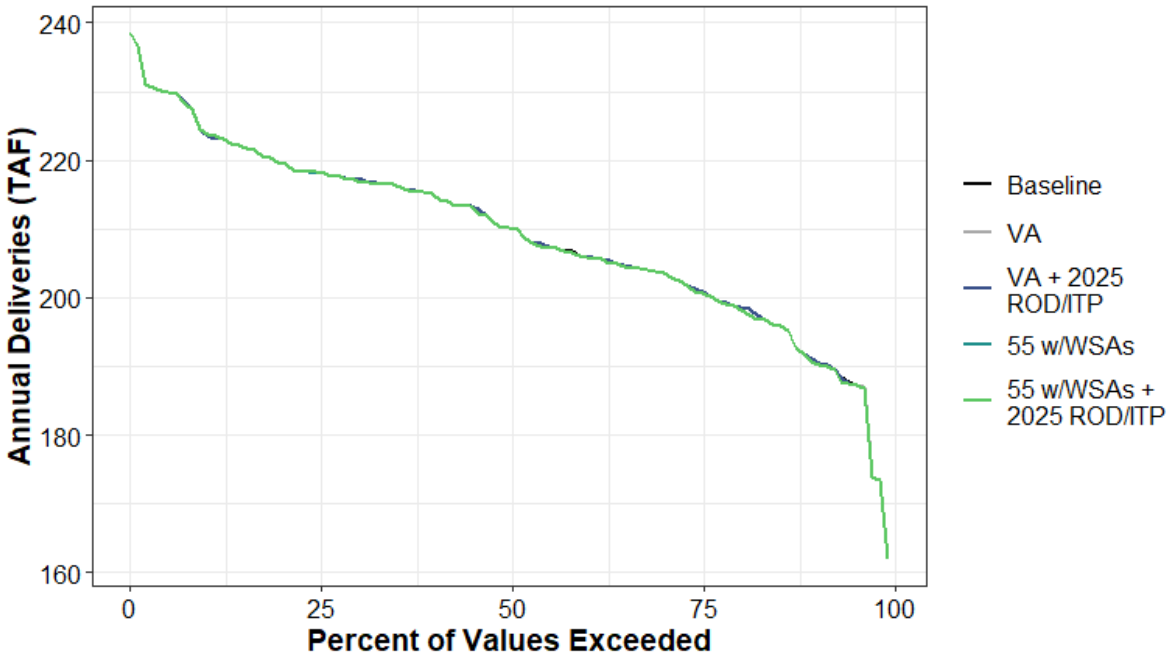

Figure H1a7-172. Total Water Supplied to Water Budget Area 10 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-348. Total Water Supplied to Water Budget Area 10 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	239	239	239	239	239
10%	224	224	224	224	224
20%	220	220	220	220	220
30%	217	217	217	217	217
40%	215	215	215	215	215
50%	210	210	210	210	210
60%	206	206	206	206	206
70%	204	204	204	204	204
80%	199	199	199	198	198
90%	191	191	191	191	191
100%	162	162	162	162	162
Mean	209	209	209	209	209

Table H1a7-349. Total Water Supplied to Water Budget Area 10 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	220	220	220	220	220
D	214	214	214	214	214
BN	210	210	210	210	210
AN	203	203	203	202	202
W	202	202	202	202	202
All	209	209	209	209	209

H1a7.6.13 Water Budget Area 11 (Agricultural)

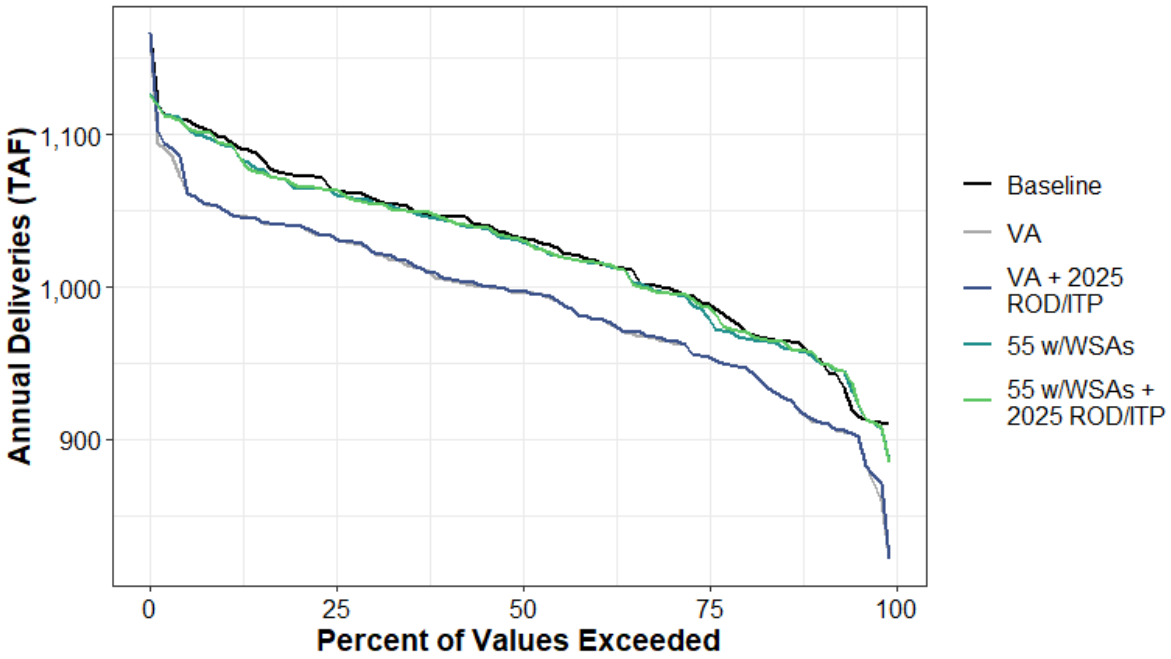

Figure H1a7-173. Total Water Supplied to Water Budget Area 11 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-350. Total Water Supplied to Water Budget Area 11 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,167	1,167	1,167	1,127	1,126
10%	1,098	1,051	1,051	1,093	1,094
20%	1,073	1,040	1,040	1,065	1,066
30%	1,059	1,024	1,024	1,056	1,055
40%	1,046	1,005	1,006	1,044	1,045
50%	1,032	996	997	1,031	1,031
60%	1,018	979	979	1,016	1,016
70%	999	964	965	996	996
80%	974	948	947	967	971
90%	953	911	912	953	956
100%	910	821	822	885	884
Mean	1,027	990	991	1,023	1,024

Table H1a7-351. Total Water Supplied to Water Budget Area 11 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,048	1,046	1,048	1,030	1,032
D	1,054	983	984	1,055	1,056
BN	1,042	976	977	1,044	1,045
AN	1,008	943	945	1,010	1,010
W	993	993	993	988	988
All	1,027	990	991	1,023	1,024

H1a7.6.14 Water Budget Area 11 (Refuge)

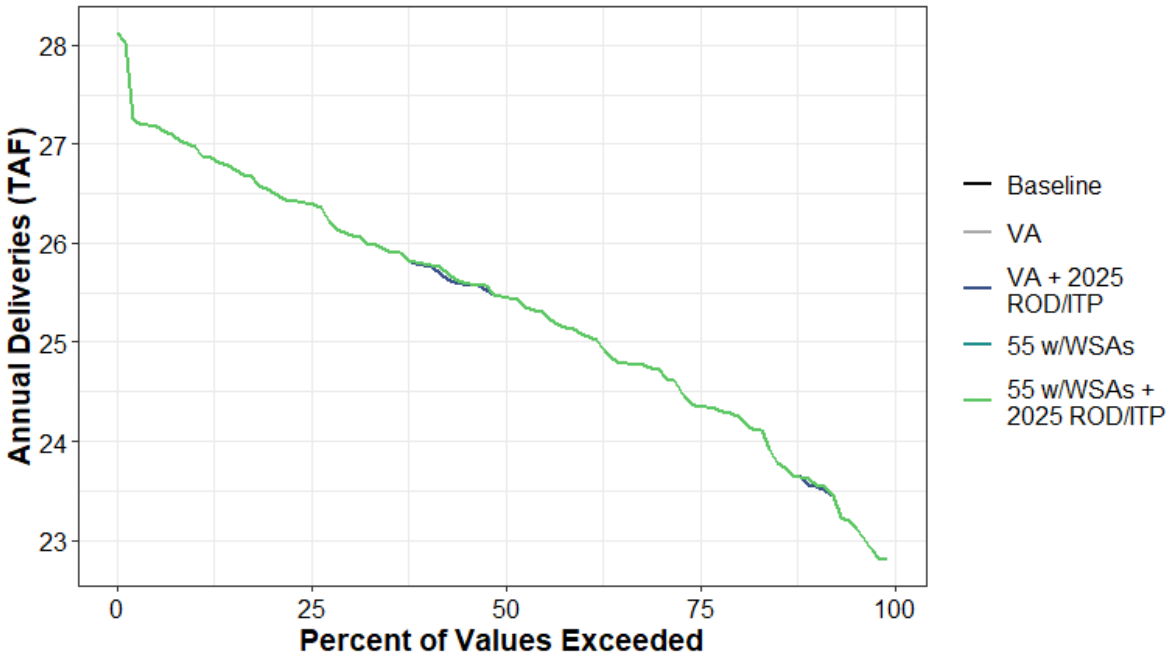

Figure H1a7-174. Total Water Supplied to Water Budget Area 11 (Refuge) Annual Percent Exceedance Plot.

Table H1a7-352. Total Water Supplied to Water Budget Area 11 (Refuge) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	28.1	28.1	28.1	28.1	28.1
10%	27	27	27	27	27
20%	26.5	26.5	26.5	26.5	26.5
30%	26.1	26.1	26.1	26.1	26.1
40%	25.8	25.8	25.8	25.8	25.8
50%	25.5	25.5	25.5	25.5	25.5
60%	25.1	25.1	25.1	25.1	25.1
70%	24.7	24.7	24.7	24.7	24.7
80%	24.3	24.3	24.3	24.3	24.3
90%	23.6	23.6	23.6	23.6	23.6
100%	22.8	22.8	22.8	22.8	22.8
Mean	25.4	25.4	25.4	25.4	25.4

Table H1a7-353. Total Water Supplied to Water Budget Area 11 (Refuge) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	26.6	26.6	26.6	26.6	26.6
D	25.8	25.8	25.8	25.8	25.8
BN	25.6	25.6	25.6	25.6	25.6
AN	24.9	24.9	24.9	24.9	24.9
W	24.4	24.4	24.4	24.4	24.4
All	25.4	25.4	25.4	25.4	25.4

H1a7.6.15 Water Budget Areas 12 and 13 (Agricultural)

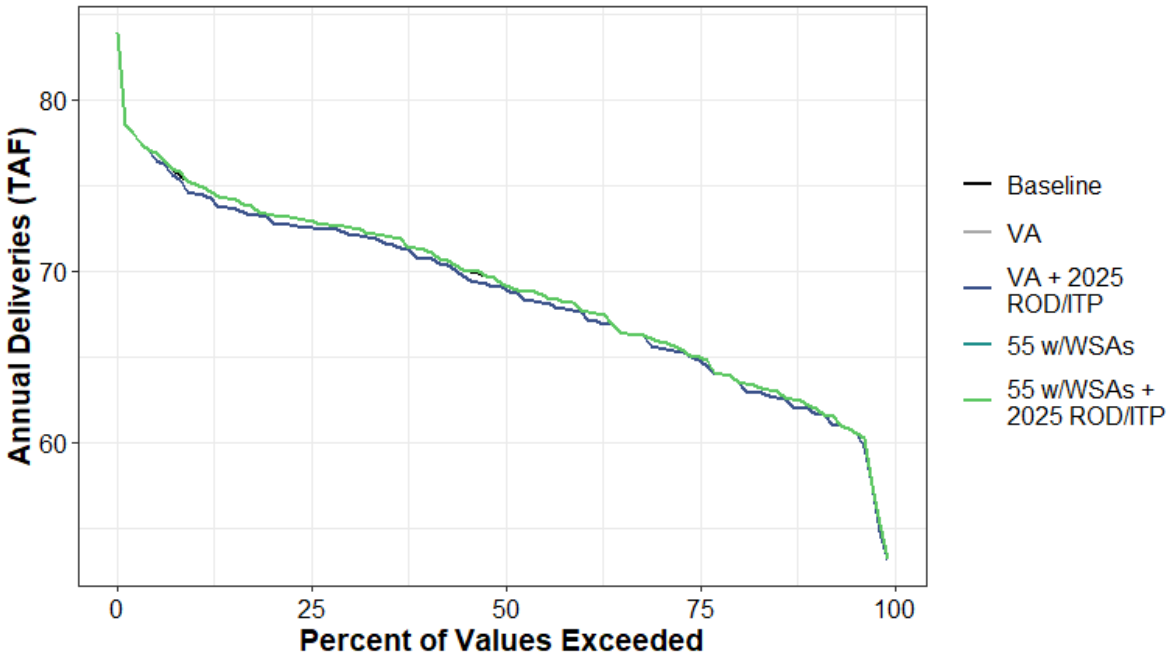

Figure H1a7-175. Total Water Supplied to Water Budget Areas 12 and 13 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-354. Total Water Supplied to Water Budget Areas 12 and 13 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	84	84	84	84	84
10%	75	75	75	75	75
20%	73	73	73	73	73
30%	73	72	72	73	73
40%	71	71	71	71	71
50%	69	69	69	69	69
60%	68	68	68	68	68
70%	66	66	66	66	66
80%	64	64	64	64	64
90%	62	62	62	62	62
100%	53	53	53	53	53
Mean	69	69	69	69	69

Table H1a7-355. Total Water Supplied to Water Budget Areas 12 and 13 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	75	75	75	75	75
D	70	70	70	70	70
BN	70	69	69	70	70
AN	67	66	66	67	67
W	65	65	65	65	65
All	69	69	69	69	69

H1a7.6.16 Water Budget Areas 12 and 13 (Urban)

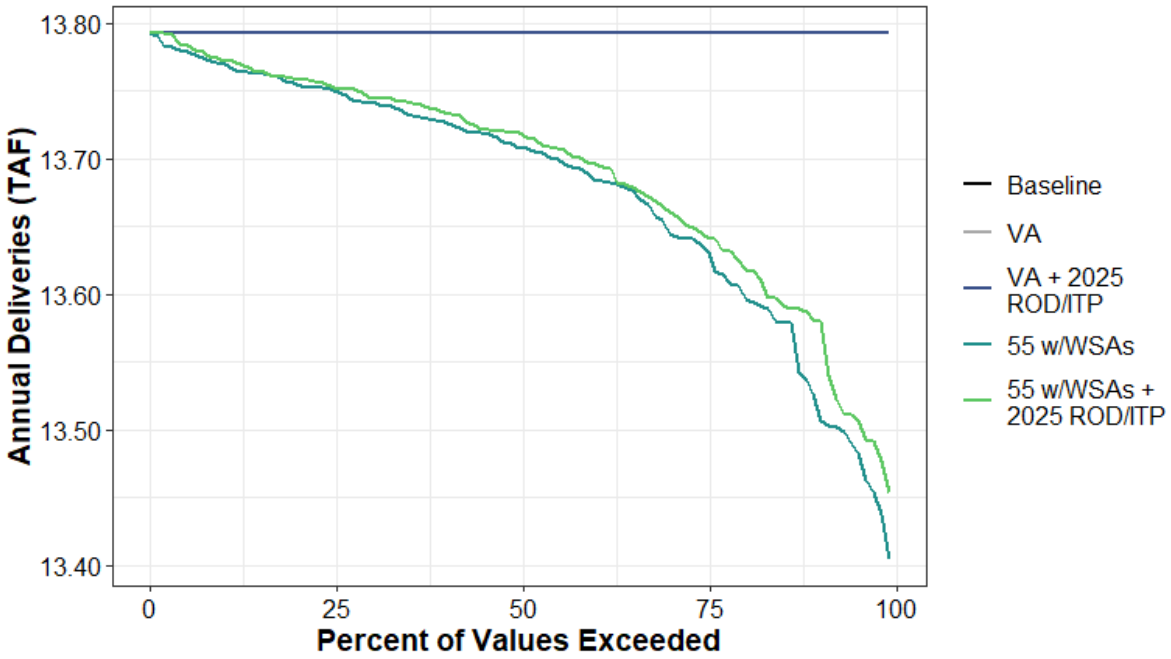

Figure H1a7-176. Total Water Supplied to Water Budget Areas 12 and 13 (Urban) Annual Percent Exceedance Plot.

Table H1a7-356. Total Water Supplied to Water Budget Areas 12 and 13 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	13.8	13.8	13.8	13.8	13.8
10%	13.8	13.8	13.8	13.8	13.8
20%	13.8	13.8	13.8	13.8	13.8
30%	13.8	13.8	13.8	13.7	13.7
40%	13.8	13.8	13.8	13.7	13.7
50%	13.8	13.8	13.8	13.7	13.7
60%	13.8	13.8	13.8	13.7	13.7
70%	13.8	13.8	13.8	13.6	13.7
80%	13.8	13.8	13.8	13.6	13.6
90%	13.8	13.8	13.8	13.5	13.6
100%	13.8	13.8	13.8	13.4	13.5
Mean	13.8	13.8	13.8	13.7	13.7

Table H1a7-357. Total Water Supplied to Water Budget Areas 12 and 13 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	13.8	13.8	13.8	13.7	13.7
D	13.8	13.8	13.8	13.6	13.6
BN	13.8	13.8	13.8	13.7	13.7
AN	13.8	13.8	13.8	13.7	13.7
W	13.8	13.8	13.8	13.7	13.7
All	13.8	13.8	13.8	13.7	13.7

H1a7.6.17 Water Budget Areas 14 and 15N (Agricultural)

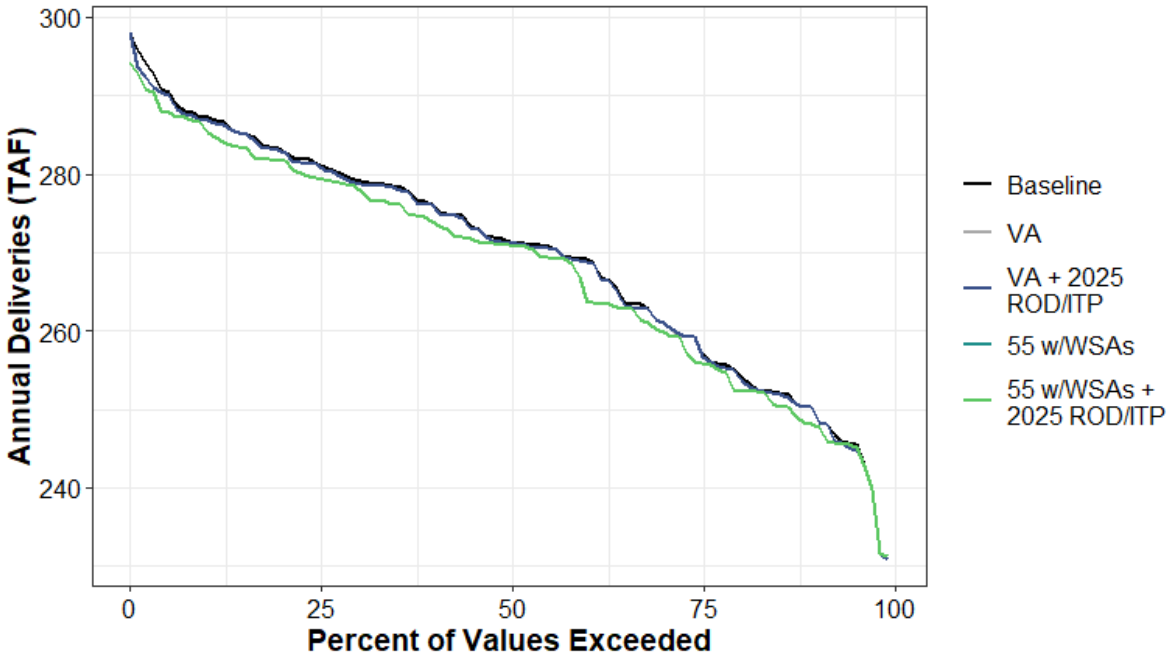

Figure H1a7-177. Total Water Supplied to Water Budget Areas 14 and 15N (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-358. Total Water Supplied to Water Budget Areas 14 and 15N (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	298	298	298	294	294
10%	287	287	287	286	286
20%	283	283	283	282	282
30%	279	279	279	278	278
40%	276	276	276	274	274
50%	271	271	271	271	271
60%	269	269	269	264	264
70%	261	261	261	260	260
80%	255	254	254	252	252
90%	250	250	250	248	248
100%	231	231	231	231	231
Mean	270	269	269	268	268

Table H1a7-359. Total Water Supplied to Water Budget Areas 14 and 15N (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	280	280	280	272	272
D	277	277	277	276	276
BN	274	273	273	274	274
AN	265	264	264	264	264
W	258	258	258	258	258
All	270	269	269	268	268

H1a7.6.18 Water Budget Areas 14 and 15N (Urban)

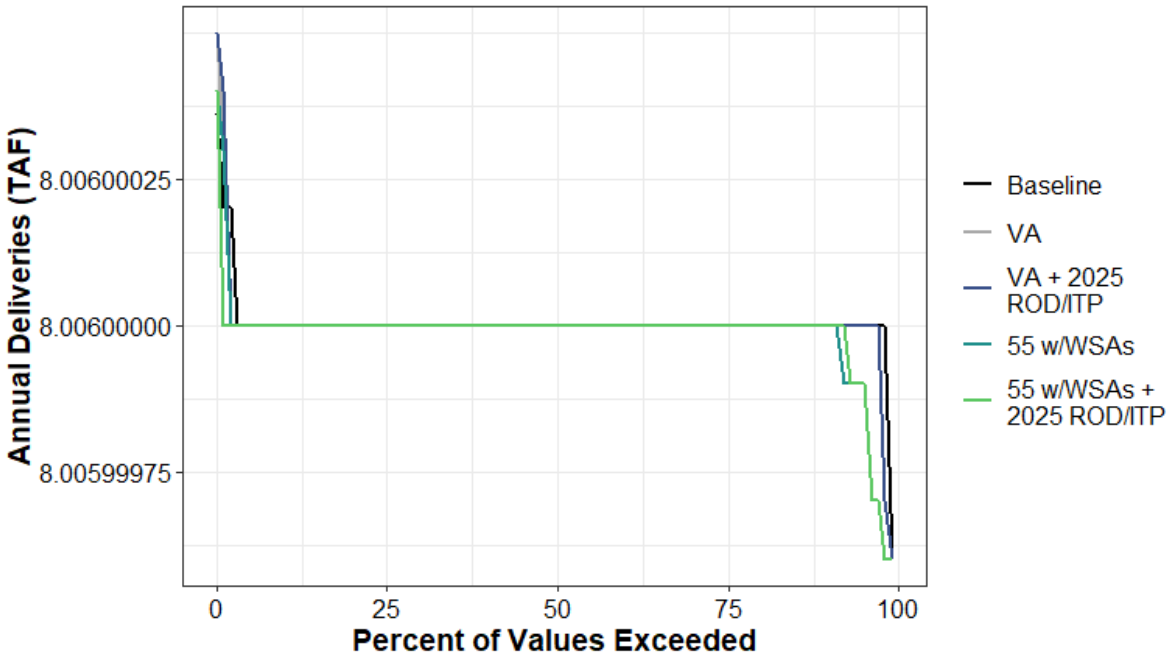

Figure H1a7-178. Total Water Supplied to Water Budget Areas 14 and 15N (Urban) Annual Percent Exceedance Plot.

Table H1a7-360. Total Water Supplied to Water Budget Areas 14 and 15N (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	8	8	8	8	8
10%	8	8	8	8	8
20%	8	8	8	8	8
30%	8	8	8	8	8
40%	8	8	8	8	8
50%	8	8	8	8	8
60%	8	8	8	8	8
70%	8	8	8	8	8
80%	8	8	8	8	8
90%	8	8	8	8	8
100%	8	8	8	8	8
Mean	8	8	8	8	8

Table H1a7-361. Total Water Supplied to Water Budget Areas 14 and 15N (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	8	8	8	8	8
D	8	8	8	8	8
BN	8	8	8	8	8
AN	8	8	8	8	8
W	8	8	8	8	8
All	8	8	8	8	8

H1a7.6.19 Water Budget Area 15S (Agricultural)

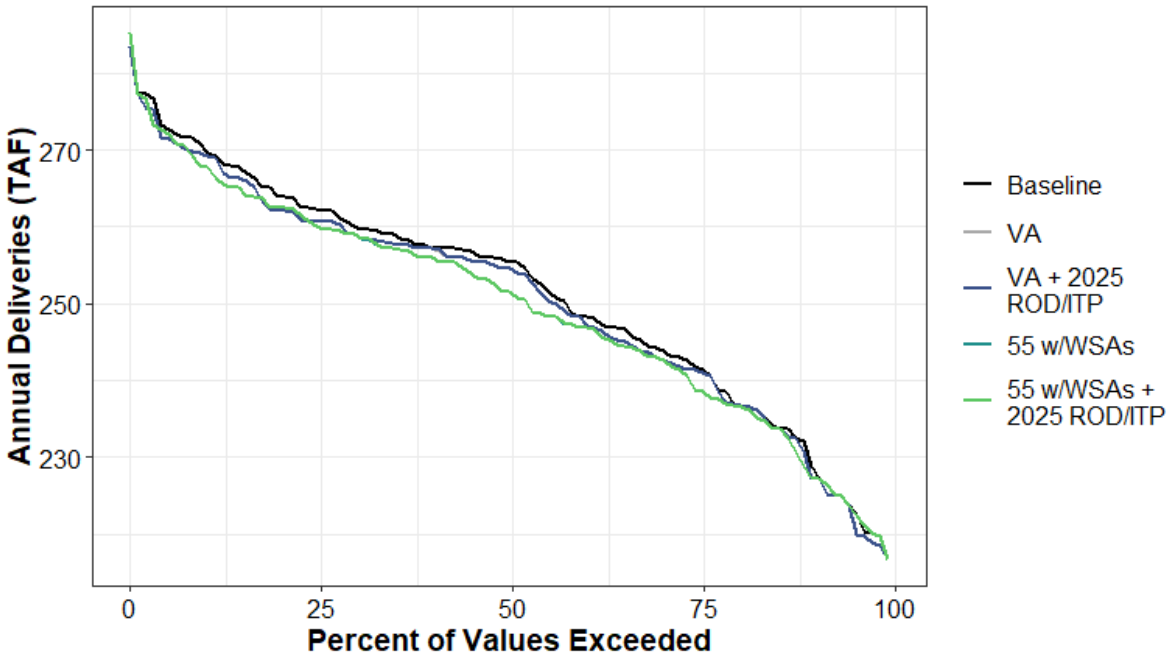

Figure H1a7-179. Total Water Supplied to Water Budget Area 15S (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-362. Total Water Supplied to Water Budget Area 15S (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	285	283	283	285	285
10%	270	269	269	268	268
20%	264	262	262	263	263
30%	260	259	259	259	259
40%	257	257	257	256	256
50%	256	255	255	252	252
60%	248	247	247	247	247
70%	244	243	243	243	243
80%	237	237	237	237	237
90%	228	227	227	227	227
100%	217	217	217	217	217
Mean	252	251	251	250	250

Table H1a7-363. Total Water Supplied to Water Budget Area 15S (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	263	263	263	253	253
D	259	257	257	258	258
BN	254	252	252	254	254
AN	247	245	245	247	247
W	240	240	240	240	240
All	252	251	251	250	250

H1a7.6.20 Water Budget Area 16 (Agricultural)

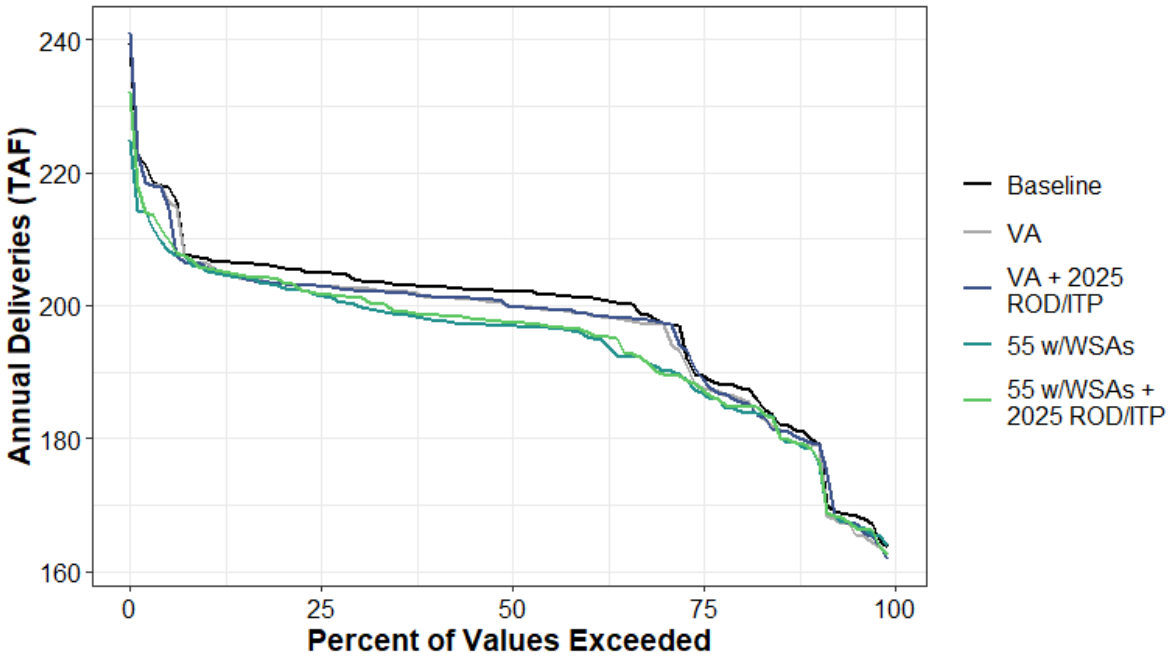

Figure H1a7-180. Total Water Supplied to Water Budget Area 16 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-364. Total Water Supplied to Water Budget Area 16 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	239	241	241	225	232
10%	207	206	206	205	206
20%	206	203	203	203	204
30%	204	203	202	200	201
40%	203	201	201	198	199
50%	202	200	200	197	197
60%	201	199	199	195	196
70%	197	197	197	190	190
80%	188	186	186	184	185
90%	180	179	179	178	178
100%	164	162	162	164	163
Mean	198	196	196	194	194

Table H1a7-365. Total Water Supplied to Water Budget Area 16 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	209	209	209	201	203
D	202	199	199	196	197
BN	198	195	195	195	196
AN	194	190	191	192	192
W	191	191	191	188	188
All	198	196	196	194	194

H1a7.6.21 Water Budget Area 16 (Urban)

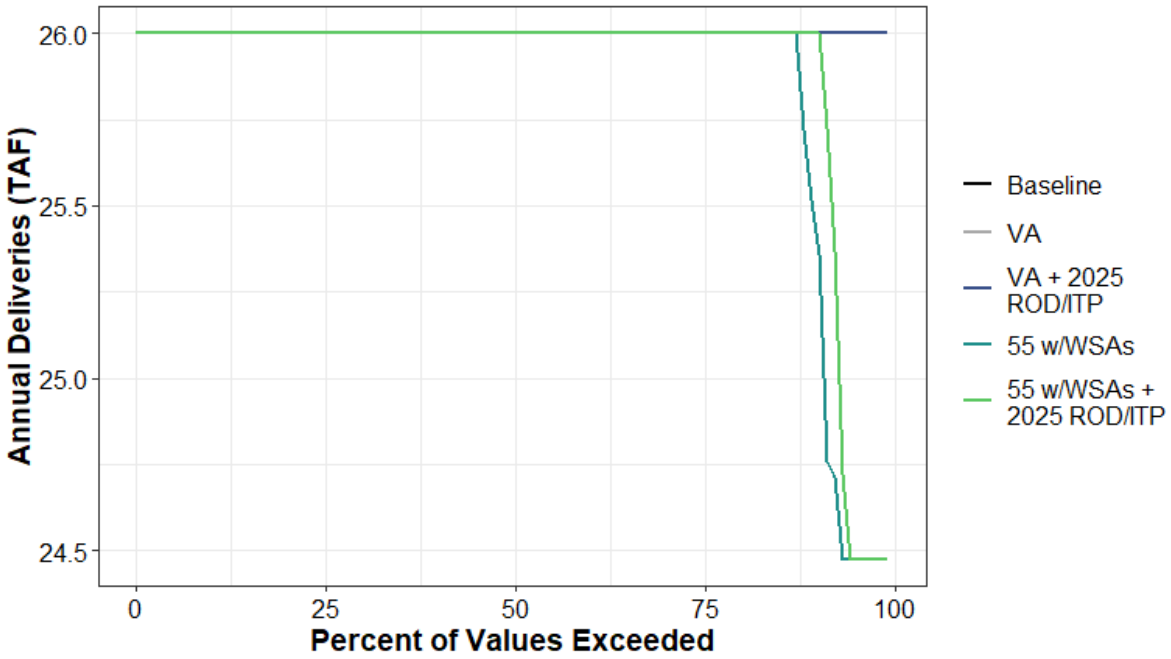

Figure H1a7-181. Total Water Supplied to Water Budget Area 16 (Urban) Annual Percent Exceedance Plot.

Table H1a7-366. Total Water Supplied to Water Budget Area 16 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	26	26	26	26	26
10%	26	26	26	26	26
20%	26	26	26	26	26
30%	26	26	26	26	26
40%	26	26	26	26	26
50%	26	26	26	26	26
60%	26	26	26	26	26
70%	26	26	26	26	26
80%	26	26	26	26	26
90%	26	26	26	25.5	26
100%	26	26	26	24.5	24.5
Mean	26	26	26	25.9	25.9

Table H1a7-367. Total Water Supplied to Water Budget Area 16 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	26	26	26	25.6	25.7
D	26	26	26	25.6	25.7
BN	26	26	26	26	26
AN	26	26	26	26	26
W	26	26	26	26	26
All	26	26	26	25.9	25.9

H1a7.6.22 Water Budget Area 17 (Agricultural)

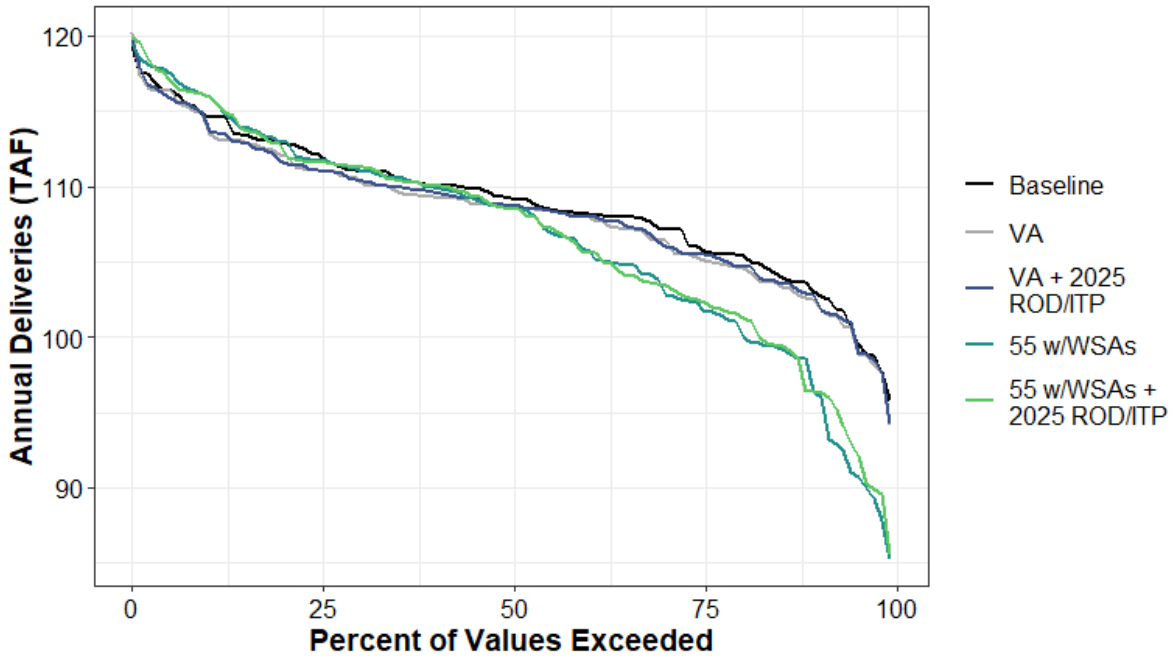

Figure H1a7-182. Total Water Supplied to Water Budget Area 17 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-368. Total Water Supplied to Water Budget Area 17 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	119	120	120	119	120
10%	115	114	114	116	116
20%	113	112	112	113	112
30%	111	110	110	111	111
40%	110	109	110	110	110
50%	109	109	109	108	108
60%	108	108	108	106	106
70%	107	106	106	103	103
80%	105	105	105	101	101
90%	103	102	103	96	96
100%	96	94	94	85	86
Mean	109	108	108	107	107

Table H1a7-369. Total Water Supplied to Water Budget Area 17 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	112	112	112	113	112
D	110	109	109	110	110
BN	110	108	108	109	109
AN	107	106	106	105	105
W	107	107	107	101	101
All	109	108	108	107	107

H1a7.6.23 Water Budget Area 17 (Refuge)

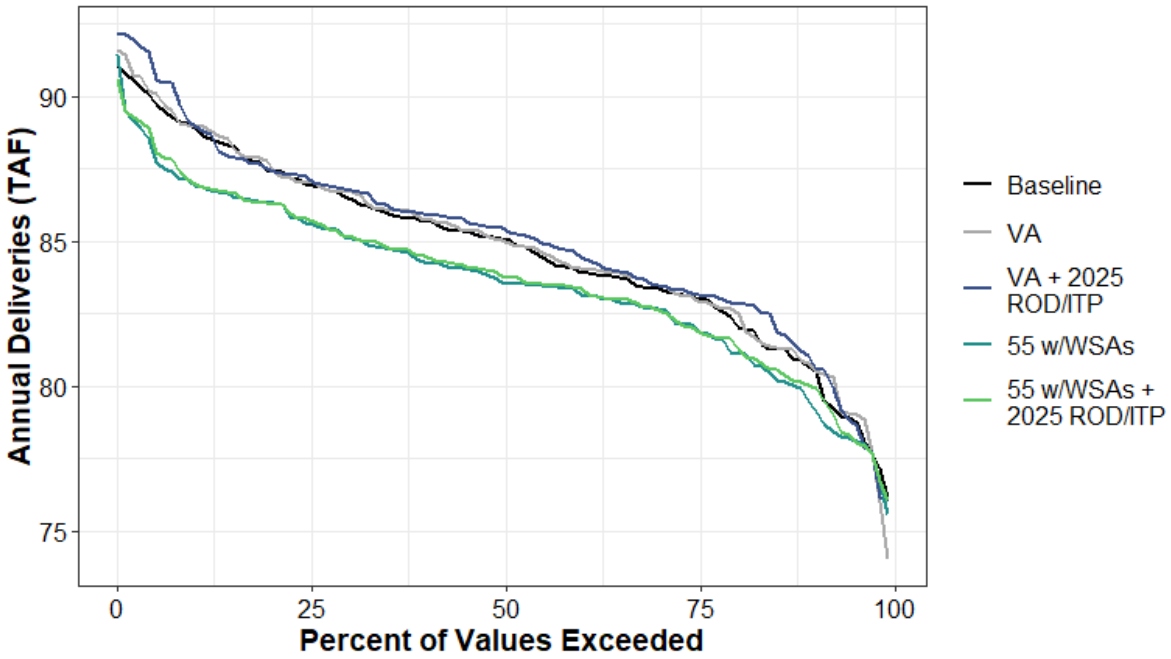

Figure H1a7-183. Total Water Supplied to Water Budget Area 17 (Refuge) Annual Percent Exceedance Plot.

Table H1a7-370. Total Water Supplied to Water Budget Area 17 (Refuge) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	91	92	92	91	91
10%	89	89	89	87	87
20%	87	88	87	86	86
30%	87	87	87	85	85
40%	86	86	86	84	85
50%	85	85	85	84	84
60%	84	84	84	83	83
70%	83	84	84	83	83
80%	82	83	83	81	81
90%	81	81	81	79	80
100%	76	74	76	76	76
Mean	85	85	85	84	84

Table H1a7-371. Total Water Supplied to Water Budget Area 17 (Refuge) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	84	84	84	84	84
D	85	85	85	84	84
BN	85	85	85	84	84
AN	84	84	84	83	82
W	85	85	86	83	84
All	85	85	85	84	84

H1a7.6.24 Water Budget Areas 18 and 19 (Agricultural)

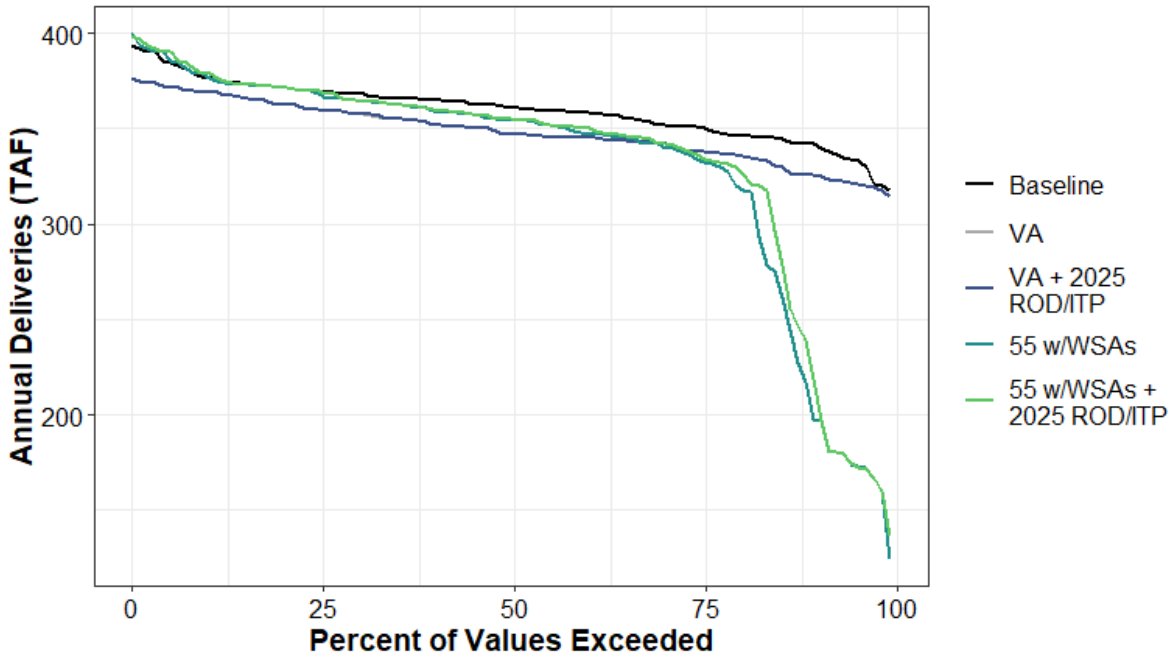

Figure H1a7-184. Total Water Supplied to Water Budget Areas 18 and 19 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-372. Total Water Supplied to Water Budget Areas 18 and 19 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	393	377	377	400	398
10%	377	369	369	377	379
20%	371	362	362	371	371
30%	368	357	358	365	365
40%	365	352	352	359	360
50%	361	347	347	354	355
60%	358	345	345	347	350
70%	352	342	342	341	342
80%	346	336	336	319	328
90%	341	325	325	198	214
100%	318	315	315	124	136
Mean	360	348	348	331	334

Table H1a7-373. Total Water Supplied to Water Budget Areas 18 and 19 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	364	364	364	202	213
D	367	345	345	352	357
BN	366	345	345	368	368
AN	356	334	334	357	357
W	350	350	350	350	350
All	360	348	348	331	334

H1a7.6.25 Water Budget Areas 20 and 25 (Agricultural)

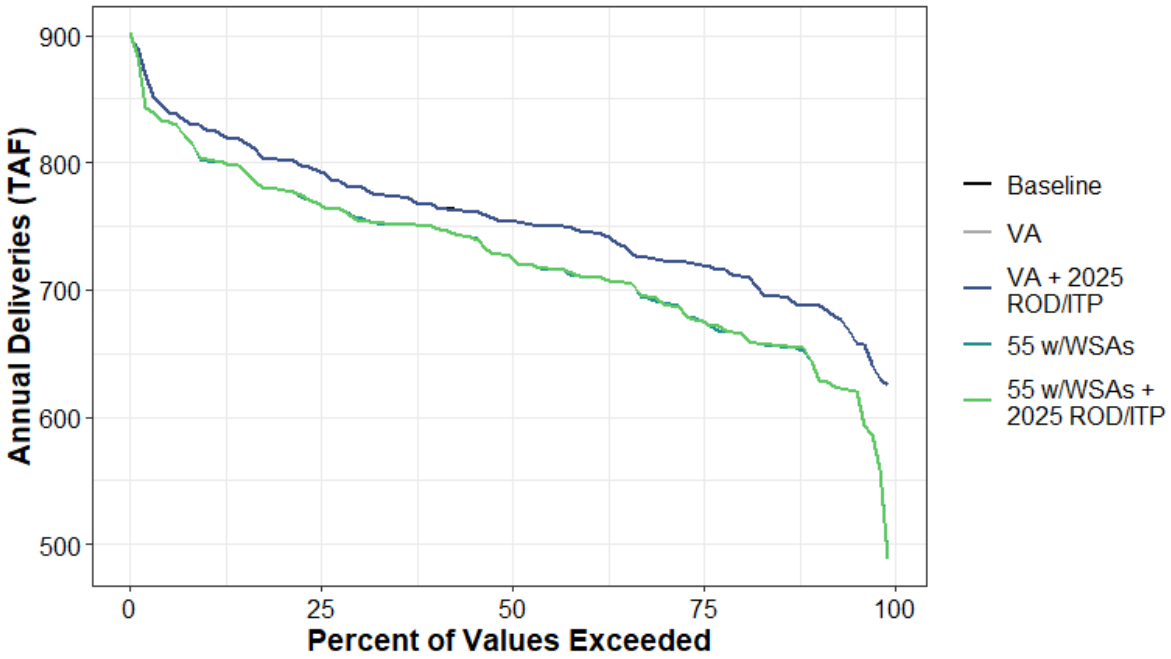

Figure H1a7-185. Total Water Supplied to Water Budget Areas 20 and 25 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-374. Total Water Supplied to Water Budget Areas 20 and 25 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	900	900	900	902	902
10%	826	826	826	802	803
20%	802	802	802	778	778
30%	781	781	781	757	755
40%	766	766	766	749	749
50%	754	754	754	726	726
60%	746	746	746	710	710
70%	723	723	723	690	691
80%	711	711	711	666	666
90%	688	688	688	641	641
100%	625	625	625	489	488
Mean	755	755	755	724	724

Table H1a7-375. Total Water Supplied to Water Budget Areas 20 and 25 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	794	794	794	760	760
D	777	777	777	740	741
BN	768	768	768	711	711
AN	738	738	738	716	715
W	718	718	718	704	704
All	755	755	755	724	724

H1a7.6.26 Water Budget Areas 20 and 25 (Urban)

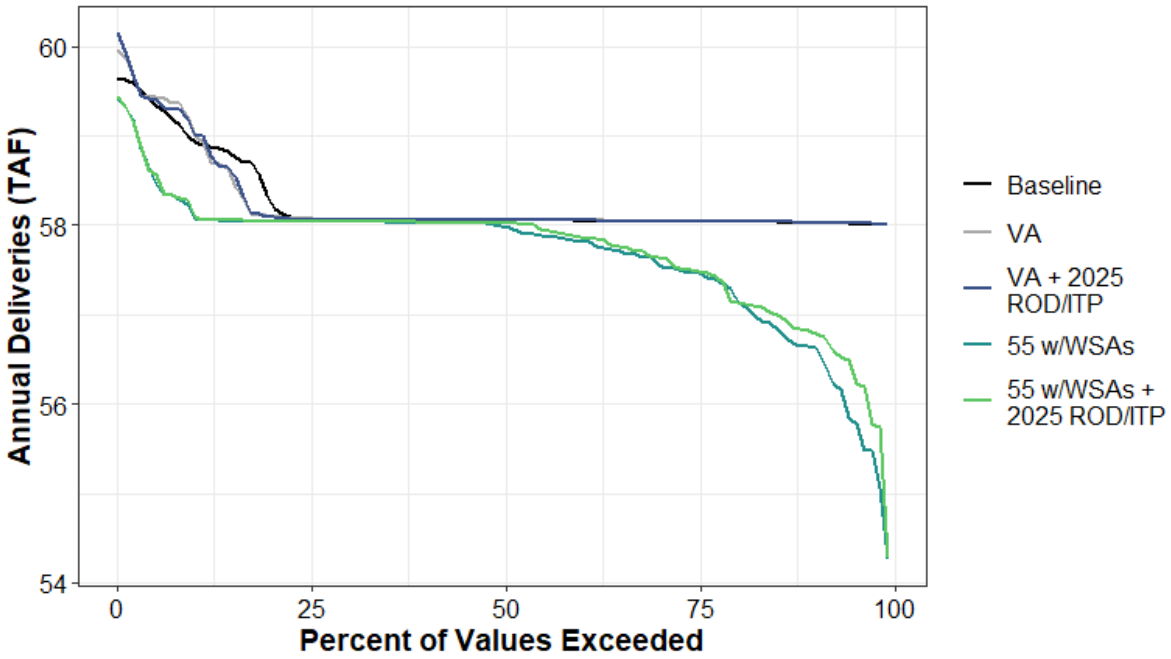

Figure H1a7-186. Total Water Supplied to Water Budget Areas 20 and 25 (Urban) Annual Percent Exceedance Plot.

Table H1a7-376. Total Water Supplied to Water Budget Areas 20 and 25 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	60	60	60	59	59
10%	59	59	59	58	58
20%	58	58	58	58	58
30%	58	58	58	58	58
40%	58	58	58	58	58
50%	58	58	58	58	58
60%	58	58	58	58	58
70%	58	58	58	58	58
80%	58	58	58	57	57
90%	58	58	58	57	57
100%	58	58	58	54	54
Mean	58	58	58	58	58

Table H1a7-377. Total Water Supplied to Water Budget Areas 20 and 25 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	59	59	59	58	58
D	58	58	58	57	57
BN	58	58	58	57	57
AN	58	58	58	58	58
W	58	58	58	58	58
All	58	58	58	58	58

H1a7.6.27 Water Budget Area 21 (Agricultural)

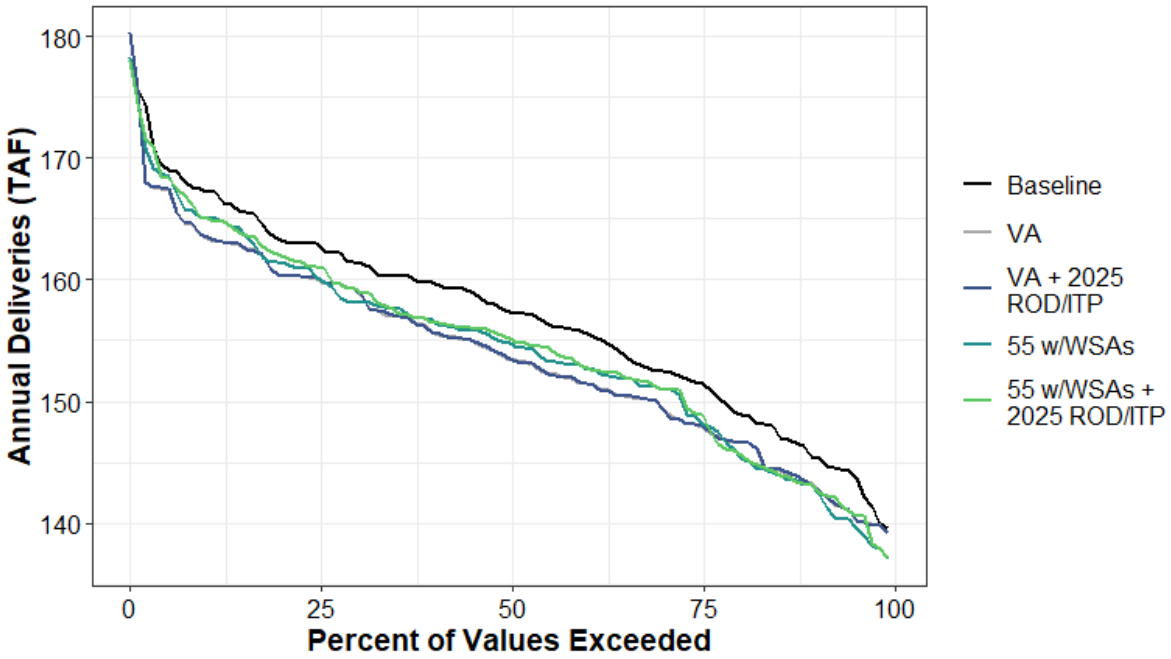

Figure H1a7-187. Total Water Supplied to Water Budget Area 21 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-378. Total Water Supplied to Water Budget Area 21 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	180	180	180	178	178
10%	167	163	164	165	165
20%	163	160	160	161	162
30%	161	159	159	158	159
40%	160	156	156	157	156
50%	157	153	153	155	155
60%	156	151	152	153	153
70%	153	150	150	151	151
80%	149	147	147	146	146
90%	145	143	143	143	143
100%	140	139	139	137	137
Mean	157	154	154	154	155

Table H1a7-379. Total Water Supplied to Water Budget Area 21 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	164	164	164	161	162
D	160	154	154	157	157
BN	158	152	152	156	157
AN	155	149	149	154	154
W	151	151	151	148	148
All	157	154	154	154	155

H1a7.6.28 Water Budget Area 21 (Urban)

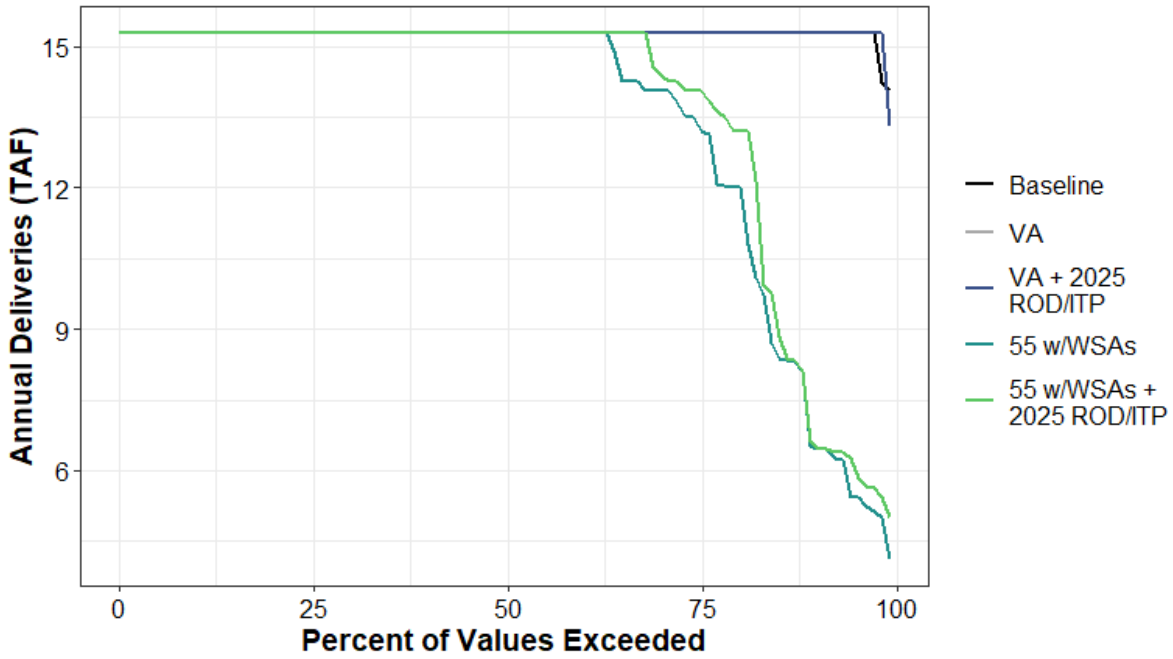

Figure H1a7-188. Total Water Supplied to Water Budget Area 21 (Urban) Annual Percent Exceedance Plot.

Table H1a7-380. Total Water Supplied to Water Budget Area 21 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	15.3	15.3	15.3	15.3	15.3
10%	15.3	15.3	15.3	15.3	15.3
20%	15.3	15.3	15.3	15.3	15.3
30%	15.3	15.3	15.3	15.3	15.3
40%	15.3	15.3	15.3	15.3	15.3
50%	15.3	15.3	15.3	15.3	15.3
60%	15.3	15.3	15.3	15.3	15.3
70%	15.3	15.3	15.3	14.1	14.4
80%	15.3	15.3	15.3	12	13.2
90%	15.3	15.3	15.3	6.5	6.6
100%	14.1	13.3	13.3	4.1	5
Mean	15.3	15.3	15.3	13.4	13.7

Table H1a7-381. Total Water Supplied to Water Budget Area 21 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	15.3	15.2	15.2	6.9	7.6
D	15.3	15.3	15.3	13.3	13.8
BN	15.2	15.3	15.3	15	15.2
AN	15.2	15.3	15.3	15.1	15
W	15.3	15.3	15.3	15.3	15.3
All	15.3	15.3	15.3	13.4	13.7

H1a7.6.29 Water Budget Area 22 (Agricultural)

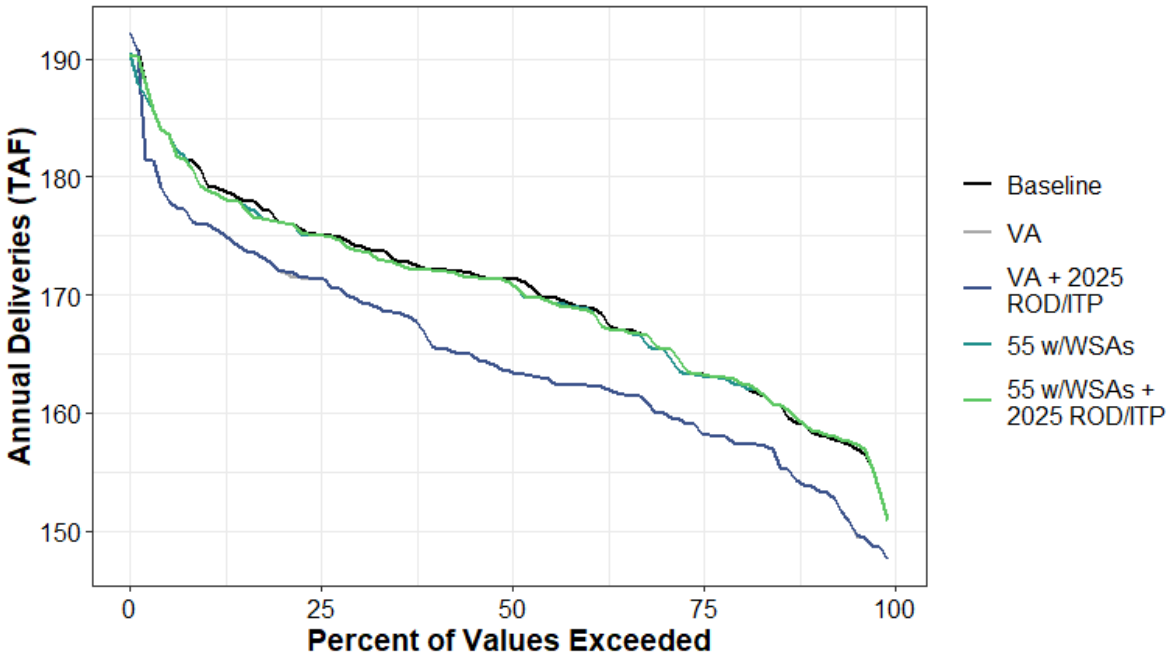

Figure H1a7-189. Total Water Supplied to Water Budget Area 22 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-382. Total Water Supplied to Water Budget Area 22 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	192	192	192	190	190
10%	180	176	176	179	179
20%	176	172	172	176	176
30%	174	170	170	174	174
40%	172	166	166	172	172
50%	171	164	164	171	171
60%	169	162	162	169	169
70%	166	160	160	165	166
80%	162	157	157	162	163
90%	158	154	154	158	158
100%	151	148	148	151	151
Mean	170	165	165	170	170

Table H1a7-383. Total Water Supplied to Water Budget Area 22 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	178	178	178	176	176
D	173	163	163	173	173
BN	171	162	162	172	172
AN	167	157	157	167	167
W	164	164	164	164	164
All	170	165	165	170	170

H1a7.6.30 Water Budget Area 23 (Agricultural)

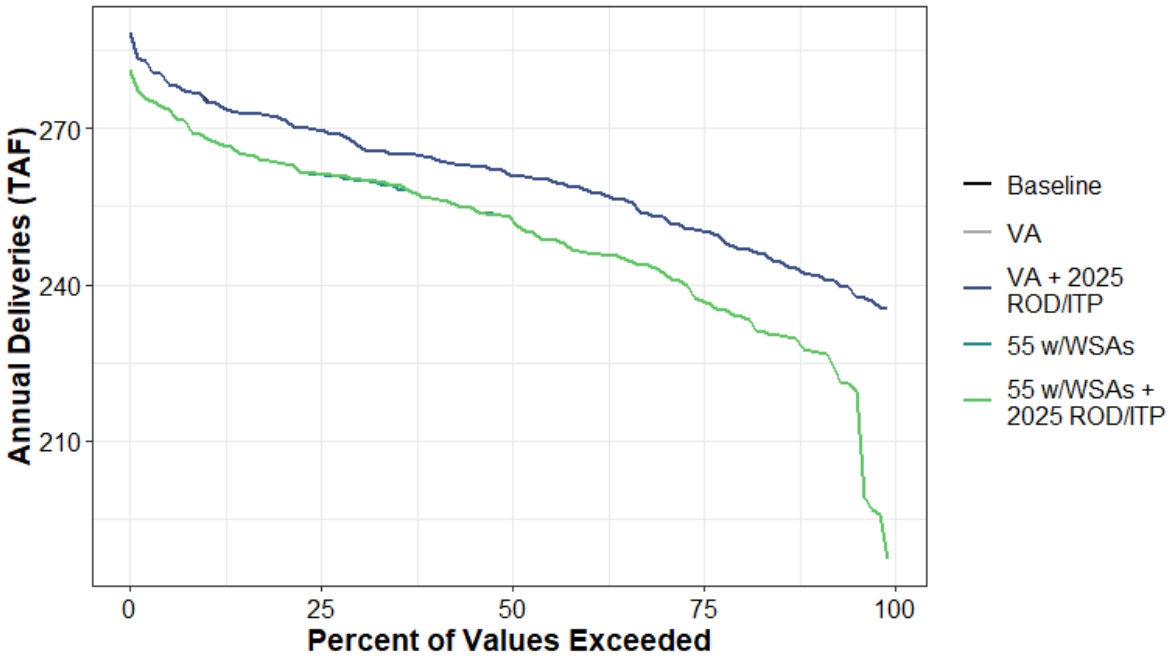

Figure H1a7-190. Total Water Supplied to Water Budget Area 23 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-384. Total Water Supplied to Water Budget Area 23 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	288	288	288	281	281
10%	275	275	275	268	268
20%	272	272	272	263	263
30%	267	267	267	260	260
40%	264	264	264	257	257
50%	261	261	261	253	253
60%	258	258	258	246	246
70%	253	253	253	243	243
80%	247	247	247	234	234
90%	242	242	242	227	227
100%	235	235	235	187	187
Mean	260	260	260	249	249

Table H1a7-385. Total Water Supplied to Water Budget Area 23 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	270	270	270	259	259
D	265	265	265	255	255
BN	263	263	263	249	249
AN	256	256	256	241	241
W	251	251	251	241	241
All	260	260	260	249	249

H1a7.6.31 Water Budget Area 24 (Agricultural)

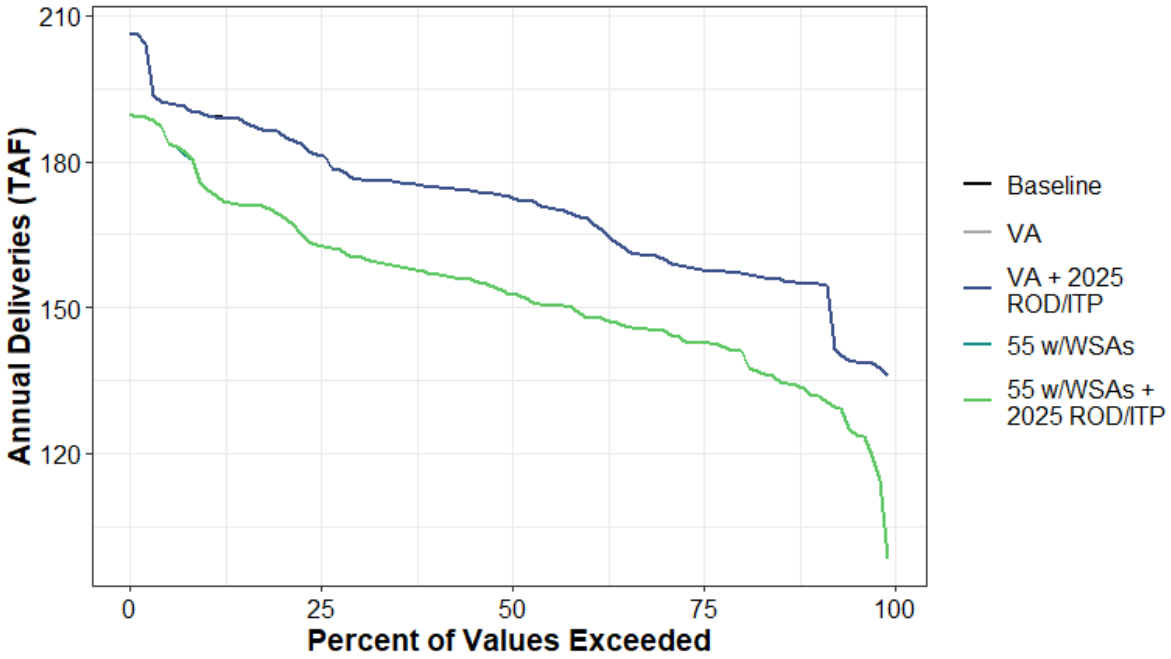

Figure H1a7-191. Total Water Supplied to Water Budget Area 24 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-386. Total Water Supplied to Water Budget Area 24 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	207	207	207	190	190
10%	190	190	190	174	174
20%	185	185	185	169	169
30%	176	176	176	160	160
40%	175	175	175	157	157
50%	173	173	173	153	153
60%	168	168	168	148	148
70%	160	160	160	145	145
80%	157	157	157	141	141
90%	155	155	155	132	132
100%	136	136	136	98	98
Mean	170	170	170	153	153

Table H1a7-387. Total Water Supplied to Water Budget Area 24 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	181	181	181	158	158
D	177	177	177	156	156
BN	173	173	173	153	153
AN	165	165	165	154	154
W	161	161	161	148	148
All	170	170	170	153	153

H1a7.6.32 Water Budget Area 24 (Urban)

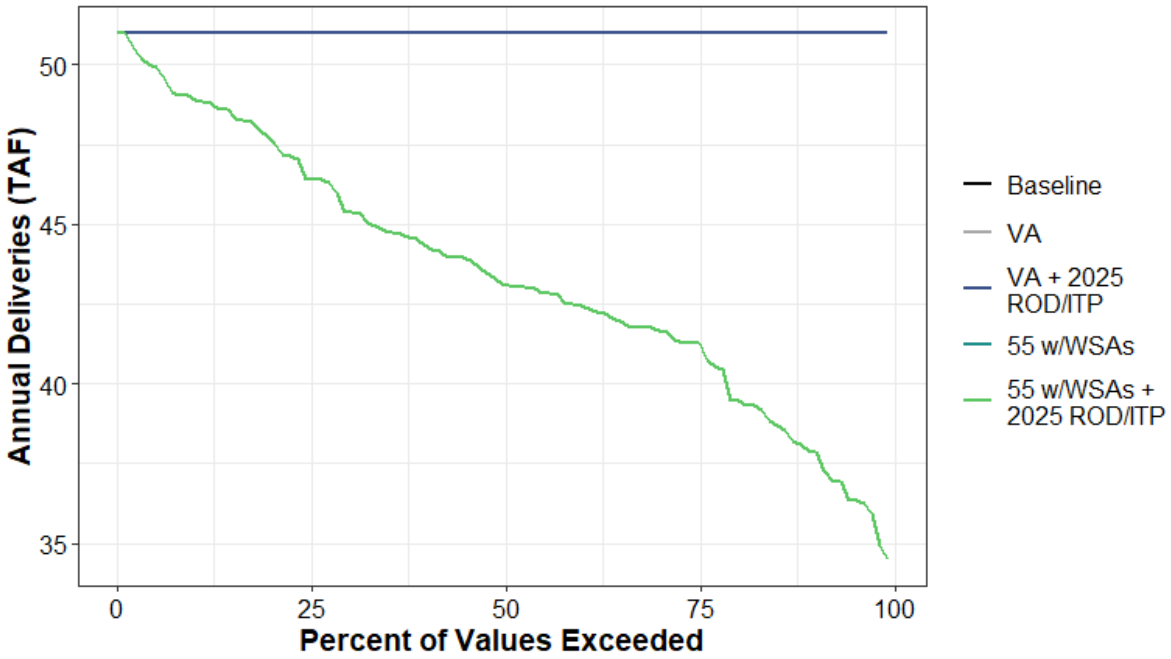

Figure H1a7-192. Total Water Supplied to Water Budget Area 24 (Urban) Annual Percent Exceedance Plot.

Table H1a7-388. Total Water Supplied to Water Budget Area 24 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	51	51	51	51	51
10%	51	51	51	49	49
20%	51	51	51	48	48
30%	51	51	51	45	45
40%	51	51	51	44	44
50%	51	51	51	43	43
60%	51	51	51	42	42
70%	51	51	51	42	42
80%	51	51	51	39	39
90%	51	51	51	38	38
100%	51	51	51	34	34
Mean	51	51	51	43	43

Table H1a7-389. Total Water Supplied to Water Budget Area 24 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	51	51	51	40	40
D	51	51	51	42	42
BN	51	51	51	45	45
AN	51	51	51	45	45
W	51	51	51	45	45
All	51	51	51	43	43

H1a7.6.33 Water Budget Area 26 (Agricultural)

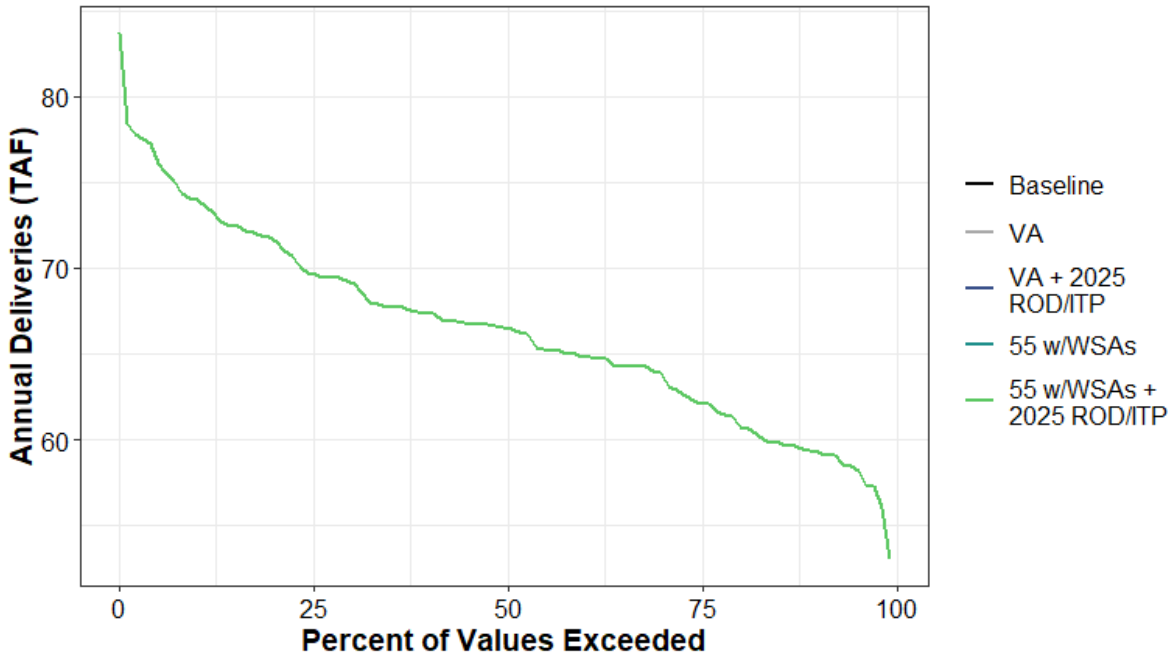

Figure H1a7-193. Total Water Supplied to Water Budget Area 26 (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-390. Total Water Supplied to Water Budget Area 26 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	84	84	84	84	84
10%	74	74	74	74	74
20%	72	72	72	72	72
30%	69	69	69	69	69
40%	67	67	67	67	67
50%	67	67	67	67	67
60%	65	65	65	65	65
70%	64	64	64	64	64
80%	61	61	61	61	61
90%	59	59	59	59	59
100%	53	53	53	53	53
Mean	66	66	66	66	66

Table H1a7-391. Total Water Supplied to Water Budget Area 26 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	73	73	73	73	73
D	68	68	68	68	68
BN	67	67	67	67	67
AN	65	65	65	65	65
W	63	63	63	63	63
All	66	66	66	66	66

H1a7.6.34 Water Budget Area 26 (Urban)

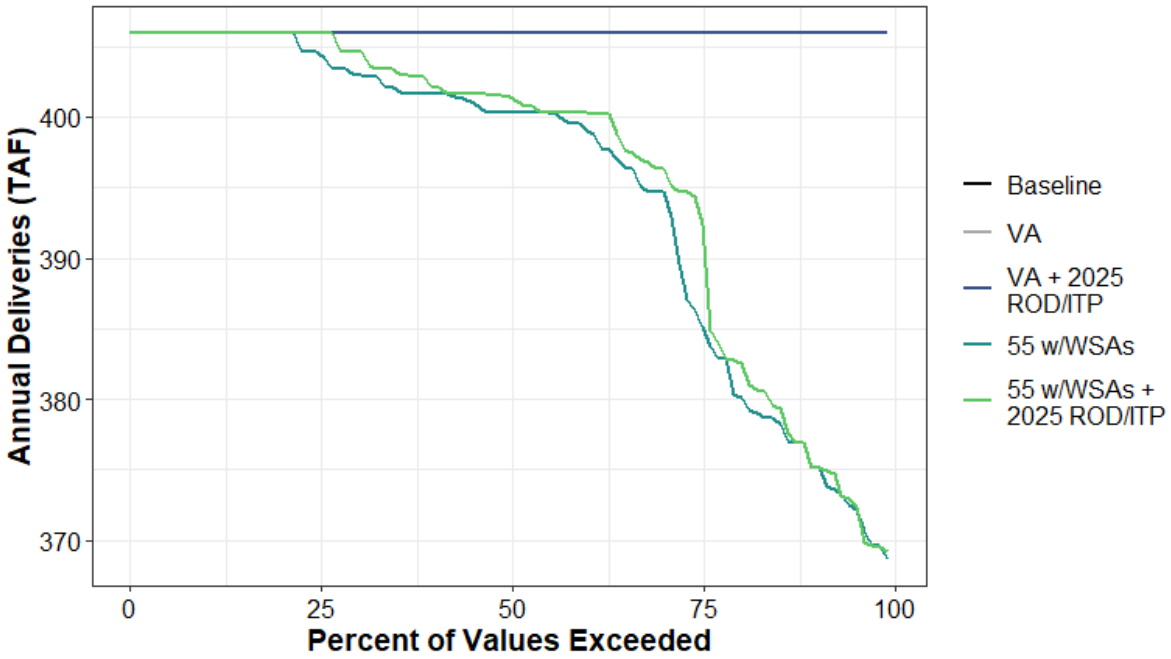

Figure H1a7-194. Total Water Supplied to Water Budget Area 26 (Urban) Annual Percent Exceedance Plot.

Table H1a7-392. Total Water Supplied to Water Budget Area 26 (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	406	406	406	406	406
10%	406	406	406	406	406
20%	406	406	406	406	406
30%	406	406	406	403	405
40%	406	406	406	402	402
50%	406	406	406	400	401
60%	406	406	406	399	400
70%	406	406	406	395	396
80%	406	406	406	380	383
90%	406	406	406	375	375
100%	406	406	406	369	369
Mean	406	406	406	395	396

Table H1a7-393. Total Water Supplied to Water Budget Area 26 (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	406	406	406	375	375
D	406	406	406	389	392
BN	406	406	406	401	402
AN	406	406	406	402	403
W	406	406	406	404	404
All	406	406	406	395	396

H1a7.6.35 Water Budget Area 50 (Agricultural)

The values in the figure and tables that follow summarize agricultural diversions to Delta islands as represented by the Delta Channel Depletions model.

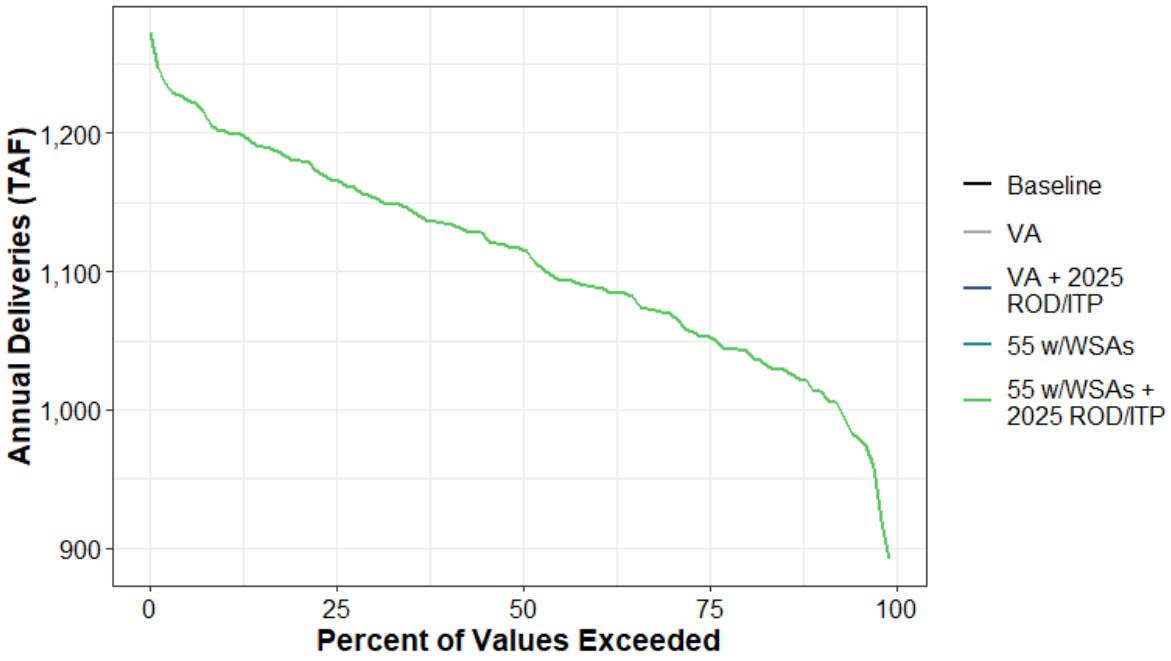

Figure H1a7-195. Surface Water Supplied to Water Budget Area 50 (Agricultural) Annual Percent Exceedance Plot. Includes agricultural diversions to Delta islands as represented by the Delta Channel Depletions model.

Table H1a7-394. Surface Water Supplied to Water Budget Area 50 (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,273	1,273	1,273	1,273	1,273
10%	1,202	1,202	1,202	1,202	1,202
20%	1,180	1,180	1,180	1,180	1,180
30%	1,154	1,154	1,154	1,154	1,154
40%	1,135	1,135	1,135	1,135	1,135
50%	1,117	1,117	1,117	1,117	1,117
60%	1,089	1,089	1,089	1,089	1,089
70%	1,070	1,070	1,070	1,070	1,070
80%	1,043	1,043	1,043	1,043	1,043
90%	1,013	1,013	1,013	1,013	1,013
100%	892	892	892	892	892
Mean	1,109	1,109	1,109	1,109	1,109

Table H1a7-395. Surface Water Supplied to Water Budget Area 50 (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,177	1,177	1,177	1,177	1,177
D	1,148	1,148	1,148	1,148	1,148
BN	1,129	1,129	1,129	1,129	1,129
AN	1,077	1,077	1,077	1,077	1,077
W	1,045	1,045	1,045	1,045	1,045
All	1,109	1,109	1,109	1,109	1,109

H1a7.6.36 Delta (Urban)

The values in the figure and tables that follow summarize diversions to the City of Antioch (demand site U_ANTOC_NU).

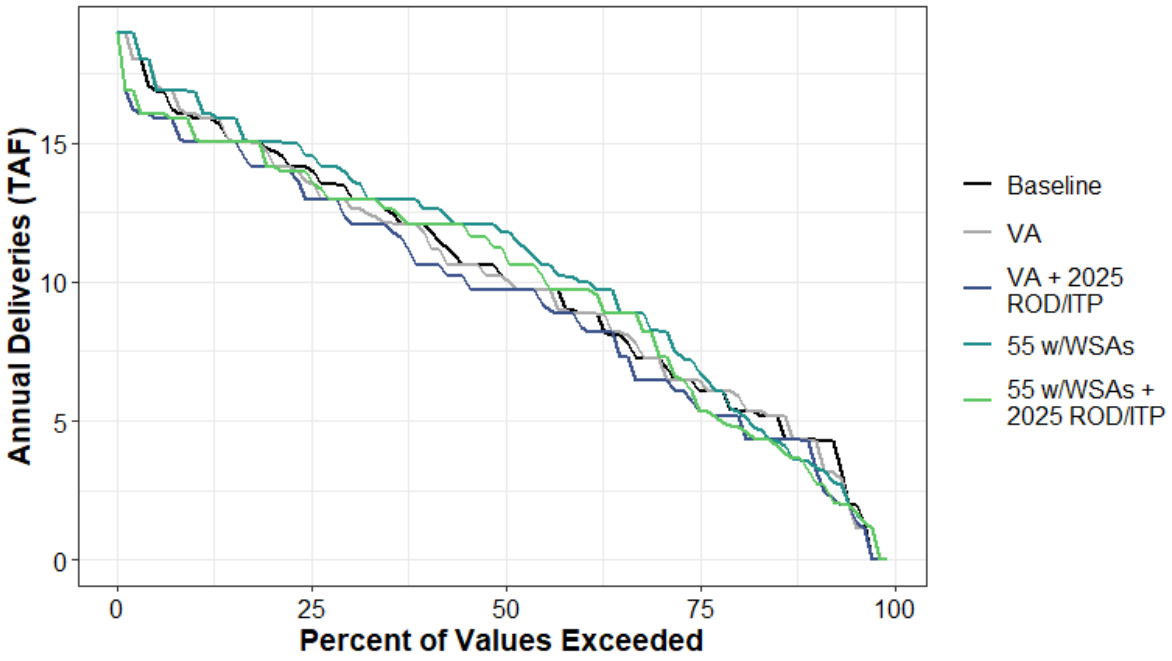

Figure H1a7-196. Surface Water Supplied to Delta (Urban) Annual Percent Exceedance Plot.

Table H1a7-396. Surface Water Supplied to Delta (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	19	19	19	19	19
10%	15.9	16.1	15.1	16.8	15.3
20%	14.8	14.4	14.2	15.1	14.2
30%	13.3	12.8	12.3	13.8	13
40%	12	11.7	10.6	12.6	12.1
50%	10.2	10.2	9.7	11.8	11.2
60%	8.9	8.9	8.5	10.1	9.7
70%	7.2	7.2	6.5	8.2	7.7
80%	5.4	6	5.2	5.4	4.8
90%	4.3	4.3	4	3.5	3.1
100%	0	0	0	0	0
Mean	10.1	10	9.4	10.6	10

Table H1a7-397. Surface Water Supplied to Delta (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	3.3	3	2.6	2.8	2.6
D	7	7.1	6.4	7.7	6.9
BN	9.8	10.1	9.6	11.2	10.9
AN	12.2	12.1	11.5	12.9	12
W	15.3	15.1	14.4	15.7	14.9
All	10.1	10	9.4	10.6	10

H1a7.6.37 Water Budget Area 60N (Agricultural)

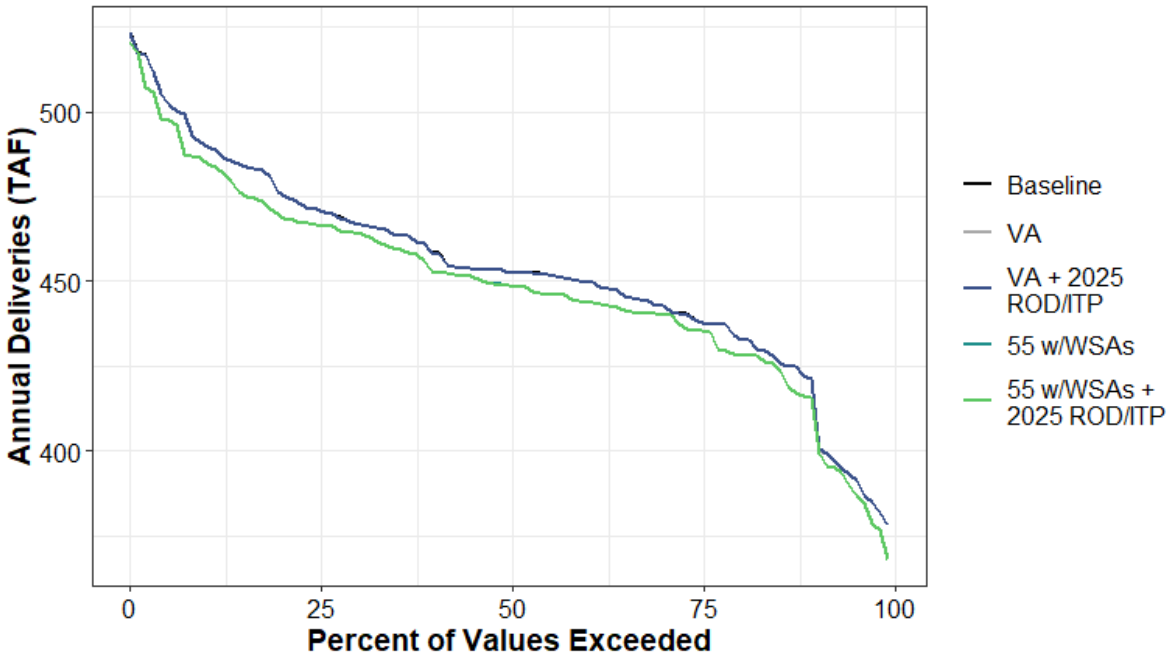

Figure H1a7-197. Total Water Supplied to Water Budget Area 60N (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-398. Total Water Supplied to Water Budget Area 60N (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	523	523	523	521	521
10%	490	490	490	485	485
20%	476	476	476	469	469
30%	467	467	467	464	464
40%	459	458	458	453	453
50%	453	453	453	449	449
60%	450	450	450	444	444
70%	443	443	443	440	440
80%	434	434	434	428	428
90%	417	417	417	412	412
100%	378	378	378	368	368
Mean	453	453	453	449	449

Table H1a7-399. Total Water Supplied to Water Budget Area 60N (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	476	476	476	470	470
D	465	465	465	460	460
BN	450	450	450	445	445
AN	442	442	442	437	437
W	439	439	439	436	436
All	453	453	453	449	449

H1a7.6.38 Water Budget Area 60N (Urban)

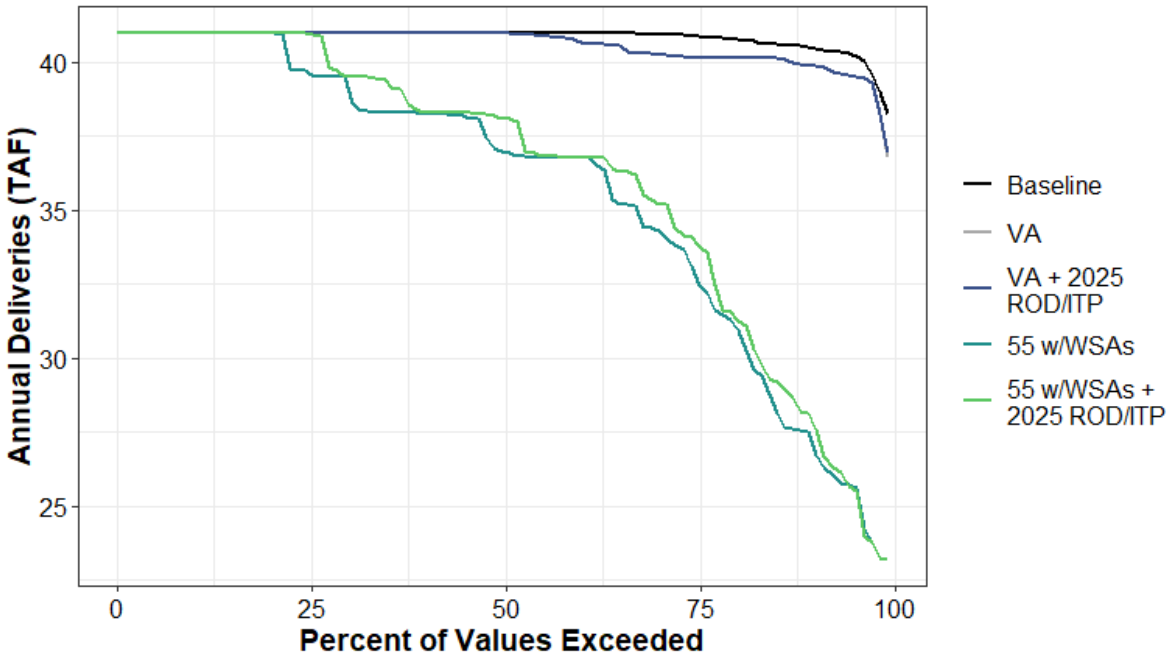

Figure H1a7-198. Total Water Supplied to Water Budget Area 60N (Urban) Annual Percent Exceedance Plot.

Table H1a7-400. Total Water Supplied to Water Budget Area 60N (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	41	41	41	41	41
10%	41	41	41	41	41
20%	41	41	41	41	41
30%	41	41	41	39	40
40%	41	41	41	38	38
50%	41	41	41	37	38
60%	41	41	41	37	37
70%	41	40	40	34	35
80%	41	40	40	31	31
90%	41	40	40	27	28
100%	38	37	37	23	23
Mean	41	41	41	36	36

Table H1a7-401. Total Water Supplied to Water Budget Area 60N (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	41	40	40	27	28
D	41	40	40	33	34
BN	41	41	41	38	38
AN	41	41	41	39	39
W	41	41	41	39	40
All	41	41	41	36	36

H1a7.6.39 Water Budget Area 60S (Agricultural)

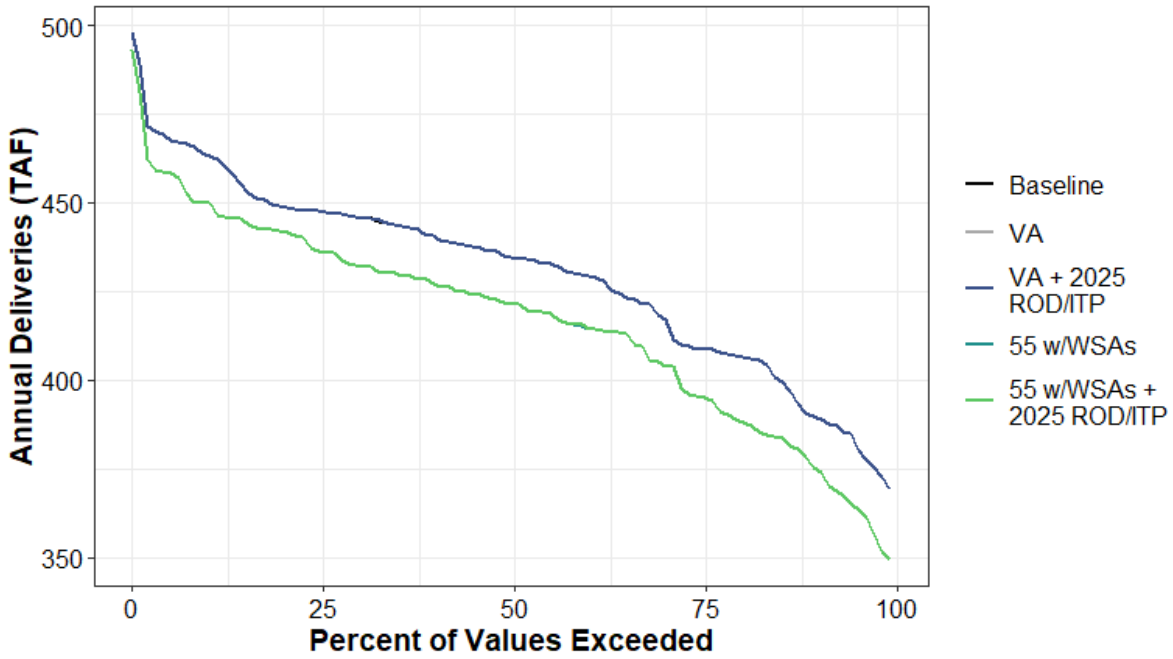

Figure H1a7-199. Total Water Supplied to Water Budget Area 60S (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-402. Total Water Supplied to Water Budget Area 60S (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	498	498	498	493	493
10%	463	463	463	450	450
20%	449	449	449	442	442
30%	446	446	446	432	432
40%	440	440	440	427	427
50%	435	435	435	422	422
60%	430	430	430	415	415
70%	418	418	418	404	404
80%	407	407	407	389	389
90%	390	390	390	375	375
100%	369	369	369	349	349
Mean	430	430	430	417	417

Table H1a7-403. Total Water Supplied to Water Budget Area 60S (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	445	445	445	439	439
D	442	442	442	433	433
BN	437	437	437	417	417
AN	425	425	425	408	408
W	411	411	411	396	396
All	430	430	430	417	417

H1a7.6.40 Water Budget Area 60S (Urban)

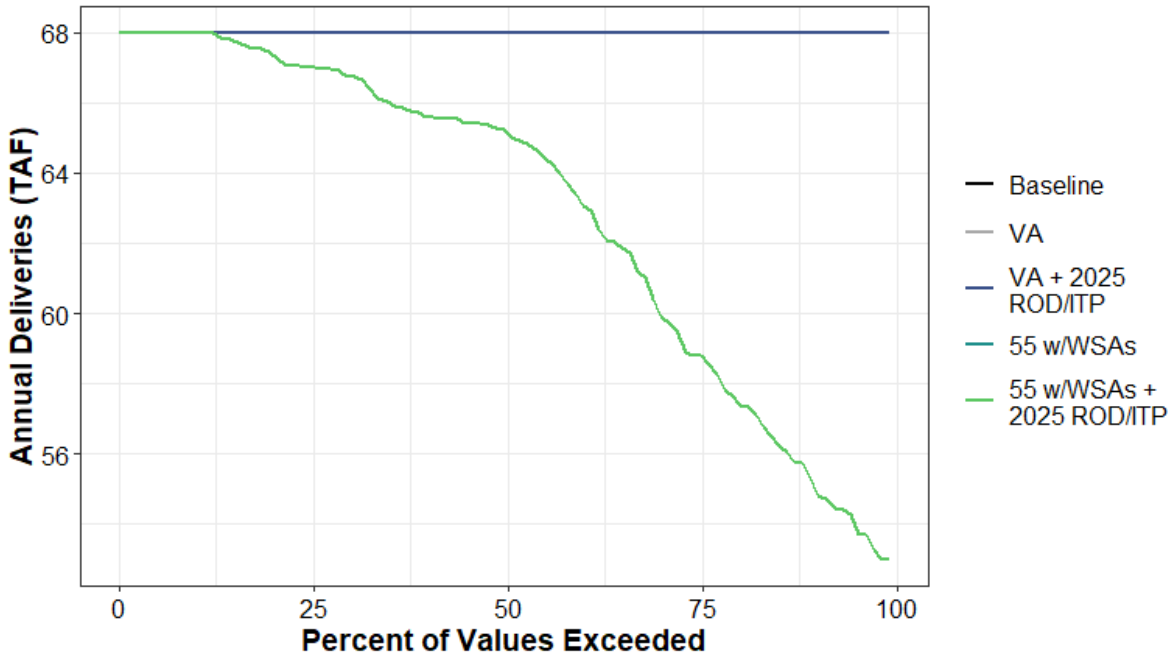

Figure H1a7-200. Total Water Supplied to Water Budget Area 60S (Urban) Annual Percent Exceedance Plot.

Table H1a7-404. Total Water Supplied to Water Budget Area 60S (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	68	68	68	68	68
10%	68	68	68	68	68
20%	68	68	68	67	67
30%	68	68	68	67	67
40%	68	68	68	66	66
50%	68	68	68	65	65
60%	68	68	68	63	63
70%	68	68	68	60	60
80%	68	68	68	58	58
90%	68	68	68	55	55
100%	68	68	68	53	53
Mean	68	68	68	63	63

Table H1a7-405. Total Water Supplied to Water Budget Area 60S (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	68	68	68	56	56
D	68	68	68	59	59
BN	68	68	68	65	65
AN	68	68	68	67	67
W	68	68	68	67	67
All	68	68	68	63	63

H1a7.6.41 Water Budget Area 61N (Agricultural)

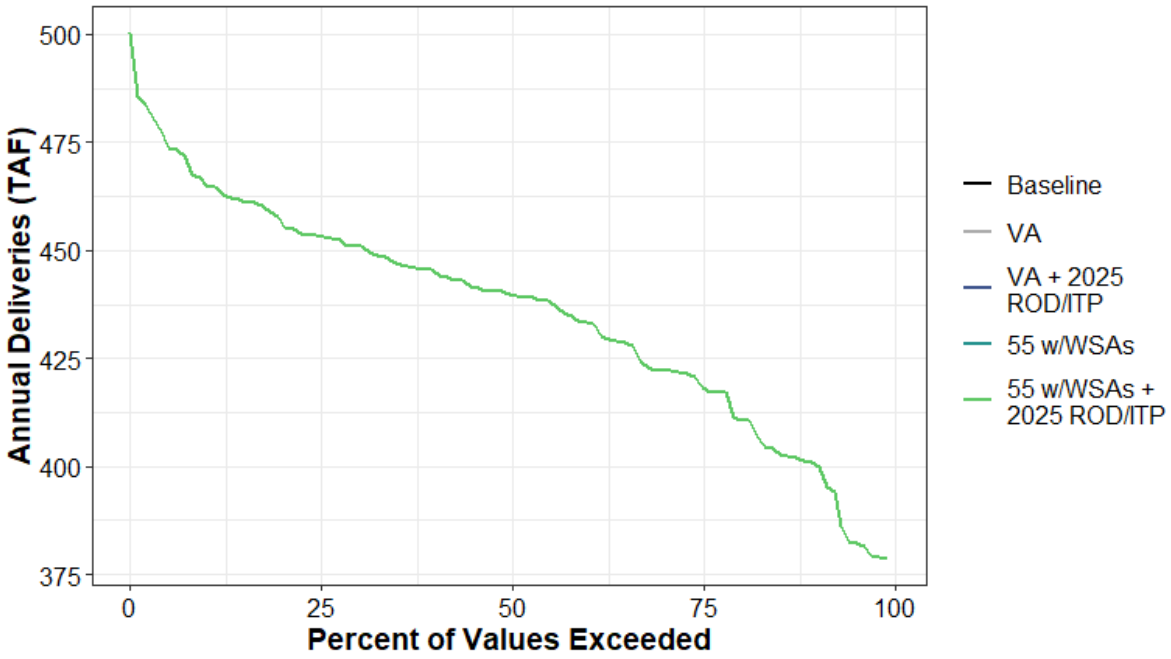

Figure H1a7-201. Total Water Supplied to Water Budget Area 61N (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-406. Total Water Supplied to Water Budget Area 61N (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	500	500	500	500	500
10%	465	465	465	465	465
20%	456	456	456	456	456
30%	451	451	451	451	451
40%	445	445	445	445	445
50%	440	440	440	440	440
60%	433	433	433	433	433
70%	422	422	422	422	422
80%	411	411	411	411	411
90%	401	401	401	401	401
100%	379	379	379	379	379
Mean	436	436	436	436	436

Table H1a7-407. Total Water Supplied to Water Budget Area 61N (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	453	453	453	453	453
D	452	452	452	452	452
BN	437	437	437	437	437
AN	424	424	424	424	424
W	419	419	419	419	419
All	436	436	436	436	436

H1a7.6.42 Upper Watershed and Foothill (Agricultural)

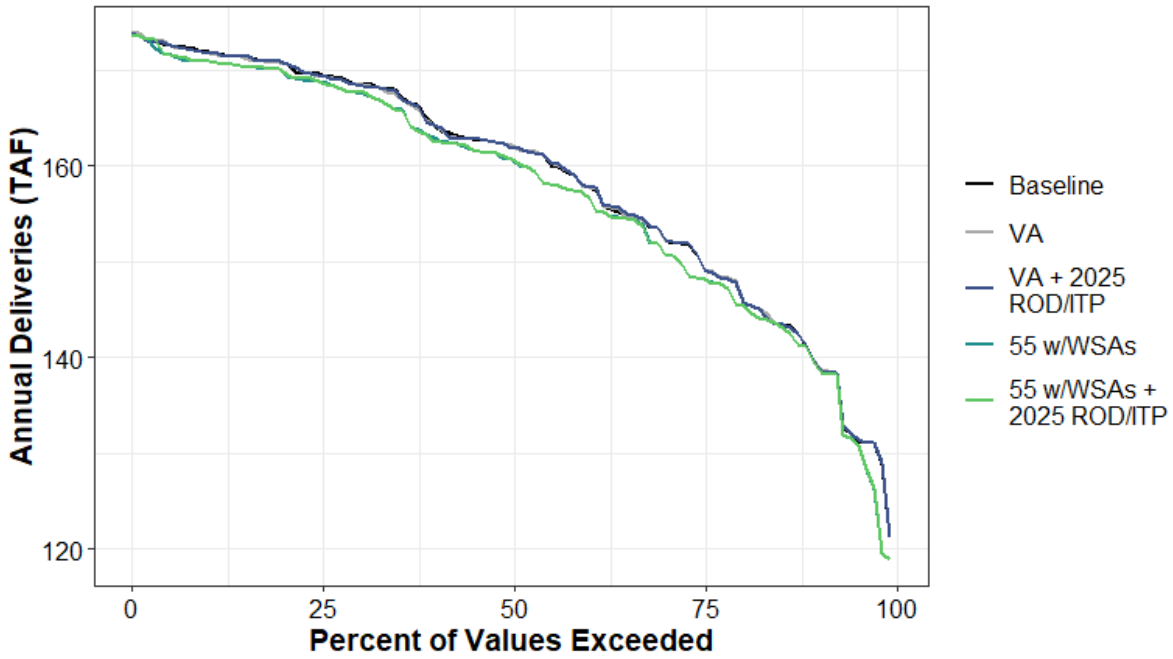

Figure H1a7-202. Surface Water Supplied to Upper Watershed and Foothill (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-408. Surface Water Supplied to Upper Watershed and Foothill (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	174	174	174	174	174
10%	172	172	172	171	171
20%	171	171	171	170	170
30%	169	169	168	168	168
40%	164	164	164	163	162
50%	162	162	162	161	161
60%	158	158	158	157	157
70%	153	153	153	151	151
80%	147	147	147	146	146
90%	139	139	139	139	139
100%	121	121	121	119	119
Mean	158	158	158	157	157

Table H1a7-409. Surface Water Supplied to Upper Watershed and Foothill (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	139	139	139	138	138
D	150	151	151	150	150
BN	160	160	160	159	158
AN	165	165	165	163	163
W	171	171	171	170	170
All	158	158	158	157	157

H1a7.6.43 Upper Watershed and Foothill (Urban)

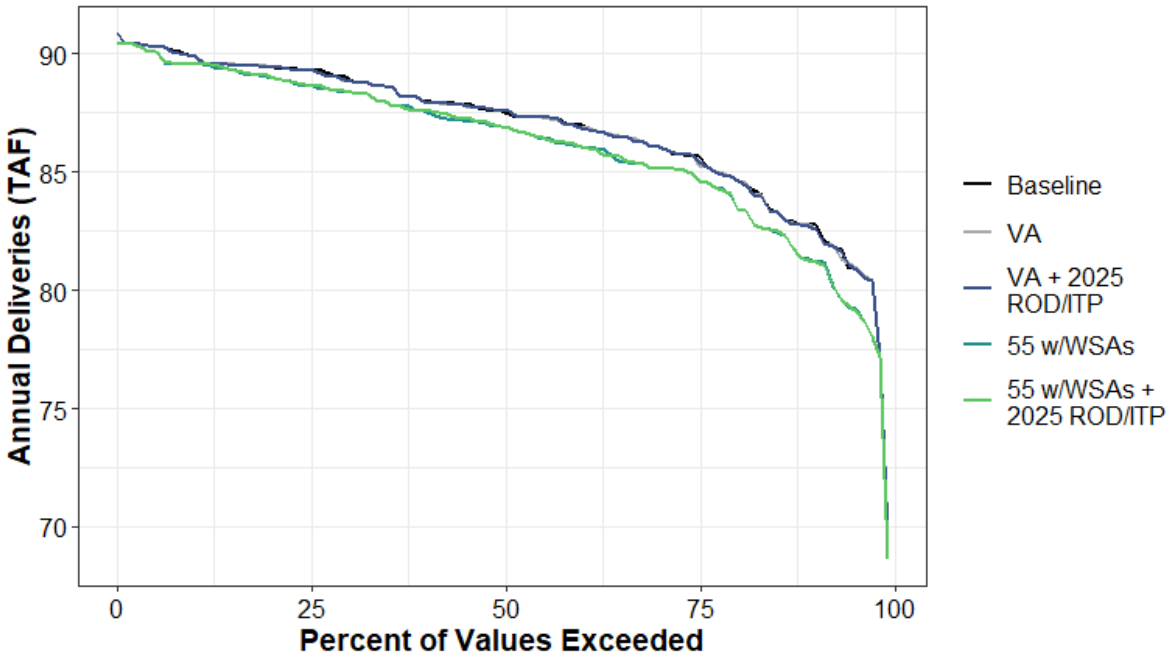

Figure H1a7-203. Surface Water Supplied to Upper Watershed and Foothill (Urban) Annual Percent Exceedance Plot.

Table H1a7-410. Surface Water Supplied to Upper Watershed and Foothill (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	91	91	91	90	90
10%	90	90	90	90	90
20%	89	89	89	89	89
30%	89	89	89	88	88
40%	88	88	88	88	88
50%	88	88	88	87	87
60%	87	87	87	86	86
70%	86	86	86	85	85
80%	85	85	85	84	84
90%	83	83	83	81	81
100%	70	70	69	69	69
Mean	87	87	87	86	86

Table H1a7-411. Surface Water Supplied to Upper Watershed and Foothill (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	81	81	81	80	80
D	86	86	86	85	85
BN	88	88	88	87	87
AN	88	88	88	88	88
W	89	89	89	89	89
All	87	87	87	86	86

H1a7.6.44 San Francisco Bay Area (Agricultural)

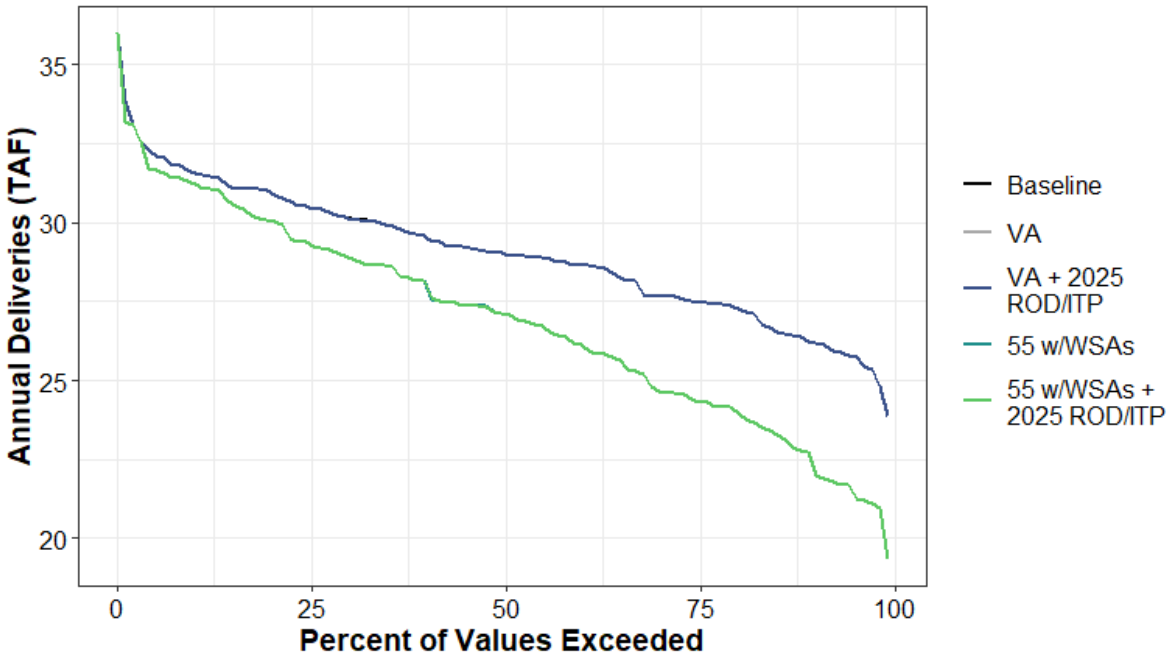

Figure H1a7-204. Total Water Supplied to San Francisco Bay Area (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-412. Total Water Supplied to San Francisco Bay Area (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	36	36	36	36	36
10%	32	32	32	31	31
20%	31	31	31	30	30
30%	30	30	30	29	29
40%	30	30	30	28	28
50%	29	29	29	27	27
60%	29	29	29	26	26
70%	28	28	28	25	25
80%	27	27	27	24	24
90%	26	26	26	23	23
100%	24	24	24	19	19
Mean	29	29	29	27	27

Table H1a7-413. Total Water Supplied to San Francisco Bay Area (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	31	31	31	28	28
D	30	30	30	29	29
BN	29	29	29	26	26
AN	28	28	28	26	26
W	27	27	27	26	26
All	29	29	29	27	27

H1a7.6.45 San Francisco Bay Area (Urban)

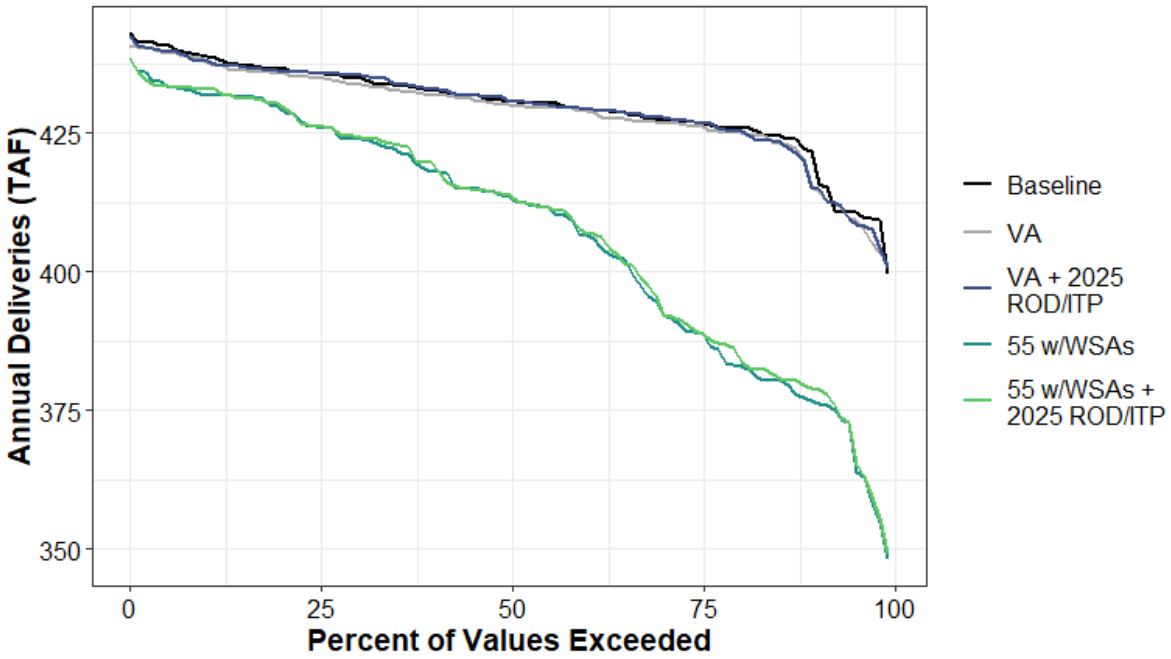

Figure H1a7-205. Surface Water Supplied to San Francisco Bay Area (Urban) Annual Percent Exceedance Plot.

Table H1a7-414. Surface Water Supplied to San Francisco Bay Area (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	443	441	443	439	439
10%	439	438	438	432	433
20%	437	436	436	429	430
30%	435	434	436	424	424
40%	433	432	433	418	419
50%	431	430	431	414	414
60%	429	429	429	407	407
70%	427	427	428	393	394
80%	426	425	425	383	385
90%	421	415	415	377	379
100%	400	402	401	348	349
Mean	430	429	430	407	408

Table H1a7-415. Surface Water Supplied to San Francisco Bay Area (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	420	419	419	387	387
D	432	430	431	392	393
BN	432	431	431	406	406
AN	432	431	432	420	420
W	432	432	432	426	426
All	430	429	430	407	408

H1a7.6.46 Total CVP Deliveries

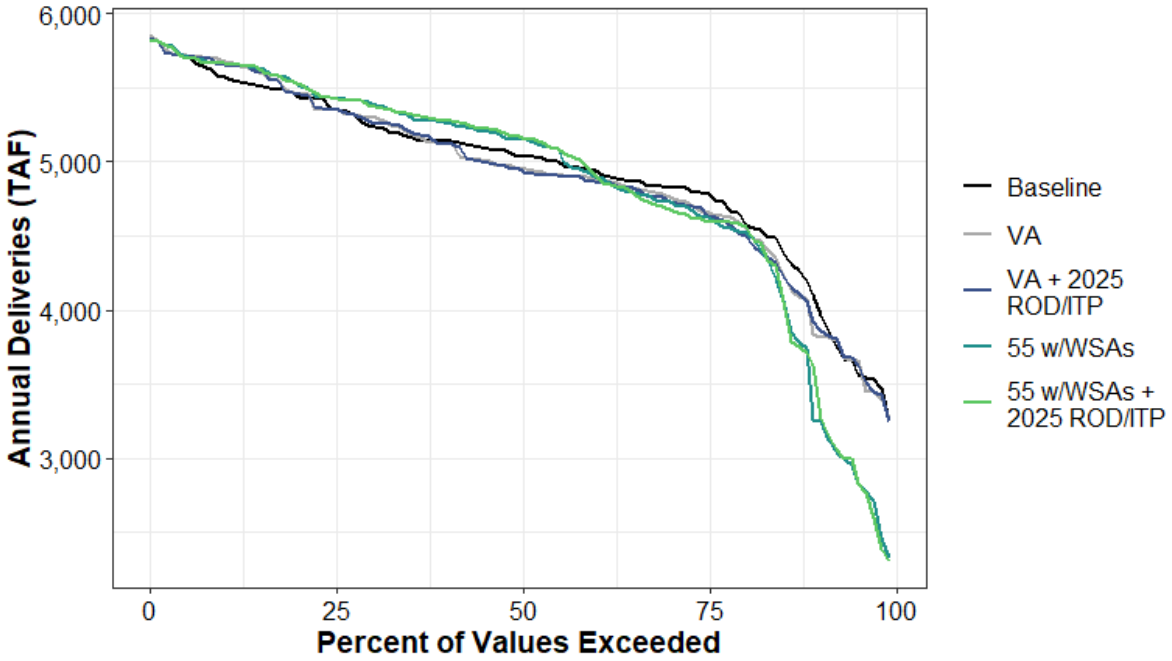

Figure H1a7-206. Surface Water Supplied to Total CVP Deliveries Annual Percent Exceedance Plot.

Table H1a7-416. Surface Water Supplied to Total CVP Deliveries Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,839	5,860	5,837	5,823	5,821
10%	5,570	5,684	5,656	5,663	5,665
20%	5,443	5,463	5,461	5,523	5,527
30%	5,241	5,302	5,271	5,397	5,381
40%	5,139	5,120	5,119	5,267	5,283
50%	5,041	4,949	4,951	5,151	5,176
60%	4,944	4,891	4,866	4,908	4,916
70%	4,829	4,770	4,745	4,728	4,687
80%	4,623	4,578	4,514	4,524	4,575
90%	4,070	3,833	3,907	3,256	3,558
100%	3,244	3,276	3,244	2,318	2,301
Mean	4,950	4,919	4,912	4,868	4,875

Table H1a7-417. Surface Water Supplied to Total CVP Deliveries Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	4,036	4,009	4,017	3,259	3,283
D	4,824	4,705	4,709	4,719	4,718
BN	4,960	4,881	4,856	5,059	5,071
AN	5,067	4,983	4,966	5,260	5,263
W	5,478	5,559	5,552	5,558	5,559
All	4,950	4,919	4,912	4,868	4,875

H1a7.6.47 Total CVP North of Delta

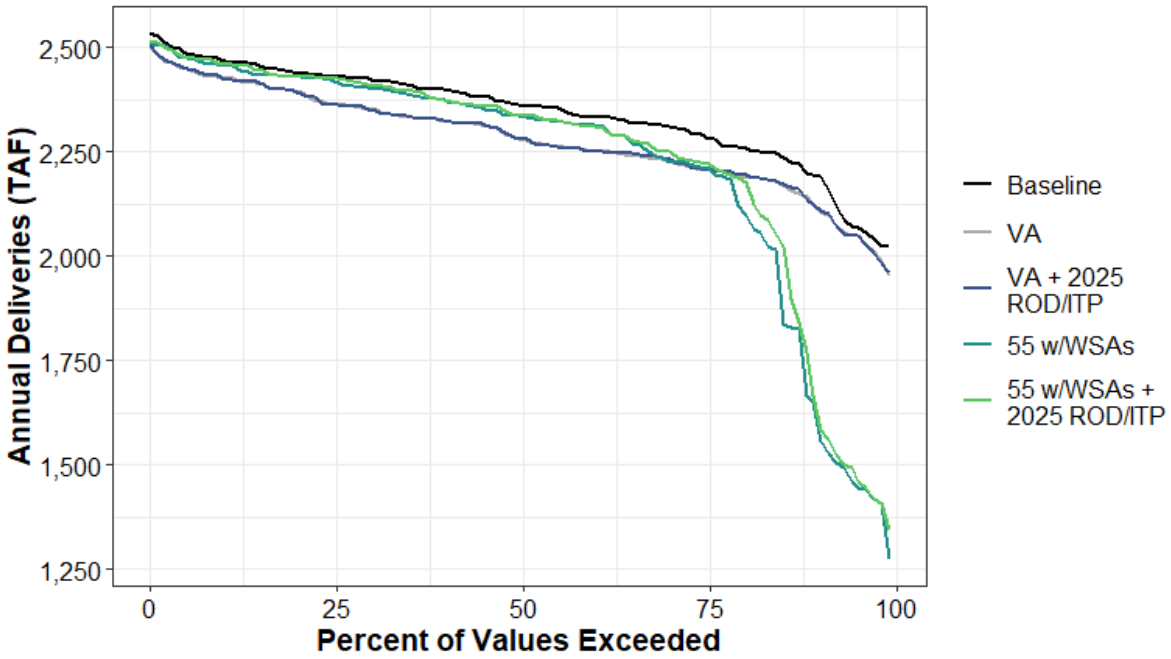

Figure H1a7-207. Surface Water Supplied to Total CVP North of Delta Annual Percent Exceedance Plot.

Table H1a7-418. Surface Water Supplied to Total CVP North of Delta Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	2,535	2,501	2,505	2,510	2,513
10%	2,468	2,425	2,425	2,456	2,462
20%	2,438	2,392	2,390	2,428	2,430
30%	2,423	2,351	2,349	2,403	2,409
40%	2,397	2,323	2,324	2,370	2,373
50%	2,363	2,279	2,282	2,336	2,336
60%	2,333	2,251	2,250	2,312	2,310
70%	2,312	2,230	2,234	2,229	2,251
80%	2,259	2,190	2,194	2,111	2,183
90%	2,192	2,121	2,119	1,631	1,650
100%	2,023	1,953	1,959	1,273	1,343
Mean	2,344	2,279	2,280	2,222	2,236

Table H1a7-419. Surface Water Supplied to Total CVP North of Delta Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	2,178	2,172	2,174	1,603	1,653
D	2,343	2,221	2,223	2,228	2,249
BN	2,390	2,272	2,270	2,376	2,384
AN	2,391	2,277	2,277	2,395	2,395
W	2,385	2,385	2,387	2,381	2,381
All	2,344	2,279	2,280	2,222	2,236

H1a7.6.48 CVP North of Delta Water Service (Agricultural)

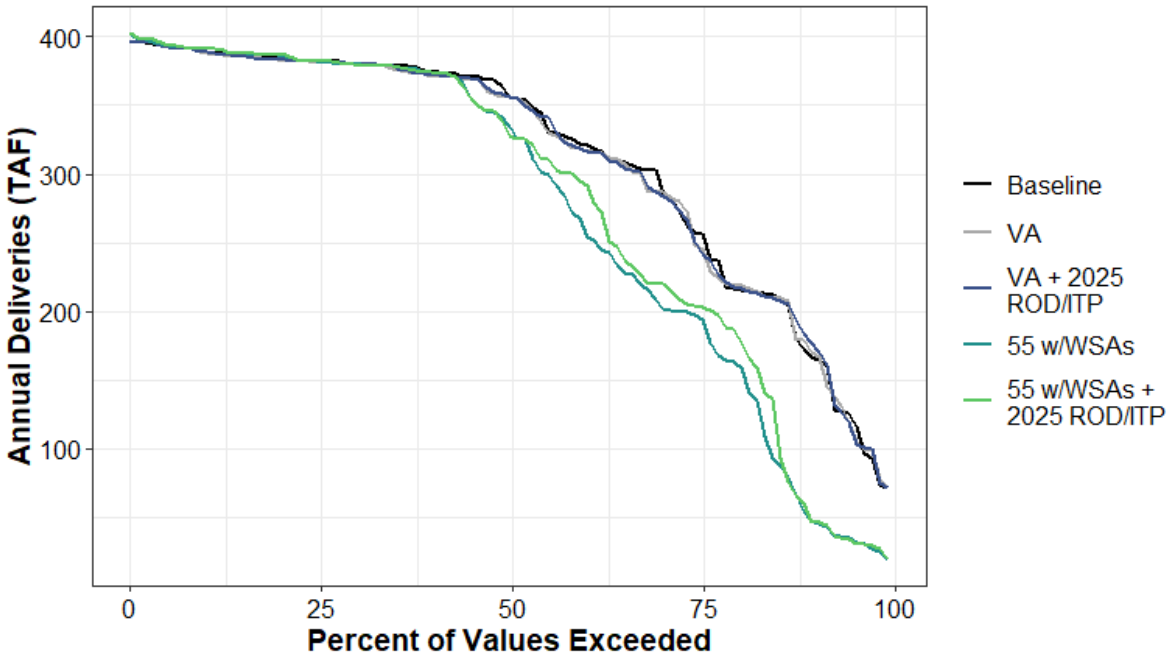

Figure H1a7-208. Surface Water Supplied to CVP North of Delta Water Service (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-420. Surface Water Supplied to CVP North of Delta Water Service (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	397	397	397	403	403
10%	389	388	389	391	391
20%	383	383	383	386	386
30%	380	380	380	380	380
40%	374	371	372	374	374
50%	356	356	356	335	328
60%	321	317	317	257	292
70%	292	287	285	204	220
80%	217	219	217	161	183
90%	166	169	175	47	47
100%	71	71	71	20	19
Mean	312	311	311	274	280

Table H1a7-421. Surface Water Supplied to CVP North of Delta Water Service (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	169	171	172	54	67
D	275	273	275	200	211
BN	327	321	319	310	317
AN	374	372	373	374	374
W	382	382	382	384	384
All	312	311	311	274	280

H1a7.6.49 CVP North of Delta Water Service (M&I)

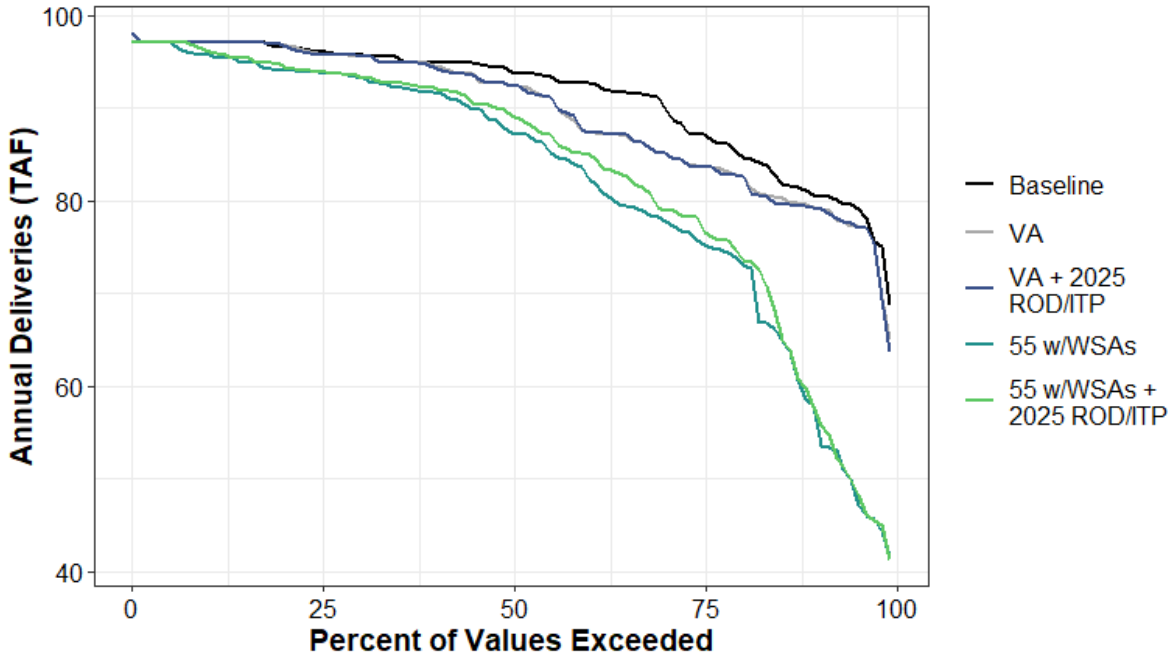

Figure H1a7-209. Surface Water Supplied to CVP North of Delta Water Service (M&I) Annual Percent Exceedance Plot.

Table H1a7-422. Surface Water Supplied to CVP North of Delta Water Service (M&I) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	97	98	98	97	97
10%	97	97	97	96	96
20%	97	97	97	94	94
30%	96	96	96	93	93
40%	95	95	94	92	92
50%	94	92	92	87	89
60%	93	87	87	83	85
70%	90	85	85	78	79
80%	85	83	83	74	74
90%	81	79	79	57	57
100%	69	65	64	42	41
Mean	91	90	90	82	83

Table H1a7-423. Surface Water Supplied to CVP North of Delta Water Service (M&I) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	83	81	81	54	56
D	91	83	83	79	80
BN	91	92	92	87	88
AN	94	94	94	90	91
W	95	96	96	93	94
All	91	90	90	82	83

H1a7.6.50 CVP Settlement (Agricultural)

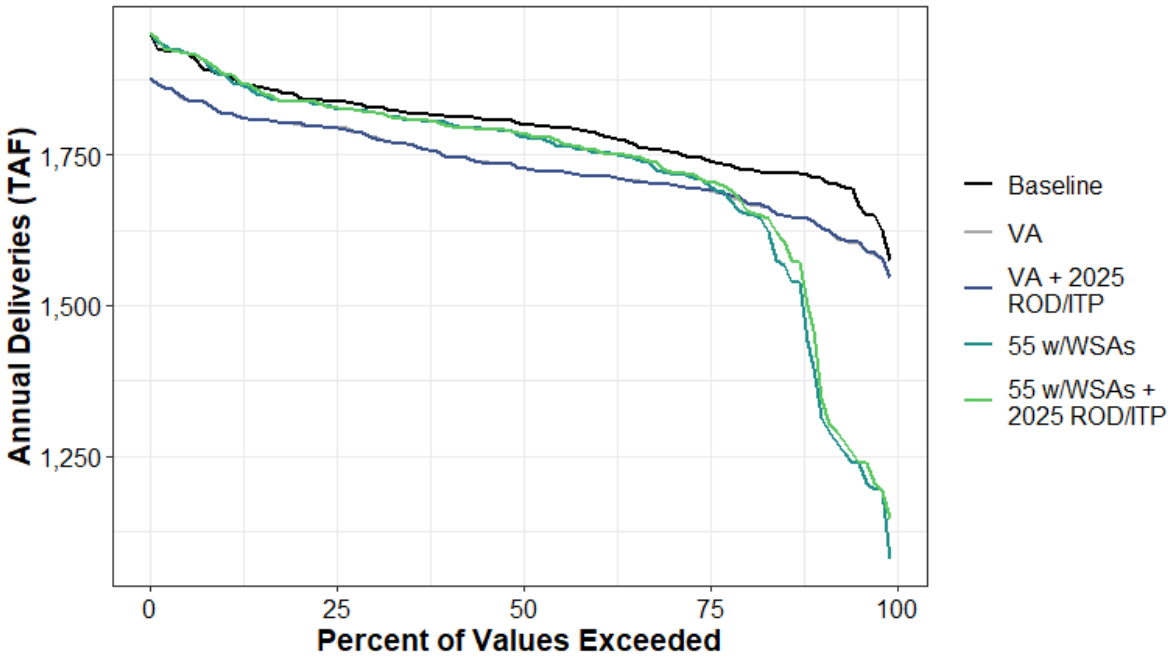

Figure H1a7-210. Surface Water Supplied to CVP Settlement (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-424. Surface Water Supplied to CVP Settlement (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,950	1,877	1,877	1,952	1,952
10%	1,883	1,818	1,818	1,883	1,885
20%	1,846	1,800	1,801	1,838	1,839
30%	1,828	1,780	1,780	1,821	1,820
40%	1,814	1,746	1,746	1,803	1,799
50%	1,803	1,728	1,728	1,781	1,787
60%	1,786	1,714	1,715	1,754	1,757
70%	1,756	1,701	1,701	1,720	1,723
80%	1,726	1,673	1,677	1,656	1,671
90%	1,711	1,638	1,637	1,380	1,435
100%	1,574	1,547	1,546	1,079	1,147
Mean	1,793	1,732	1,733	1,720	1,727

Table H1a7-425. Surface Water Supplied to CVP Settlement (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,784	1,779	1,779	1,353	1,388
D	1,829	1,716	1,717	1,803	1,811
BN	1,824	1,711	1,711	1,831	1,832
AN	1,777	1,665	1,665	1,786	1,785
W	1,759	1,759	1,760	1,757	1,756
All	1,793	1,732	1,733	1,720	1,727

H1a7.6.51 CVP Settlement (M&I)

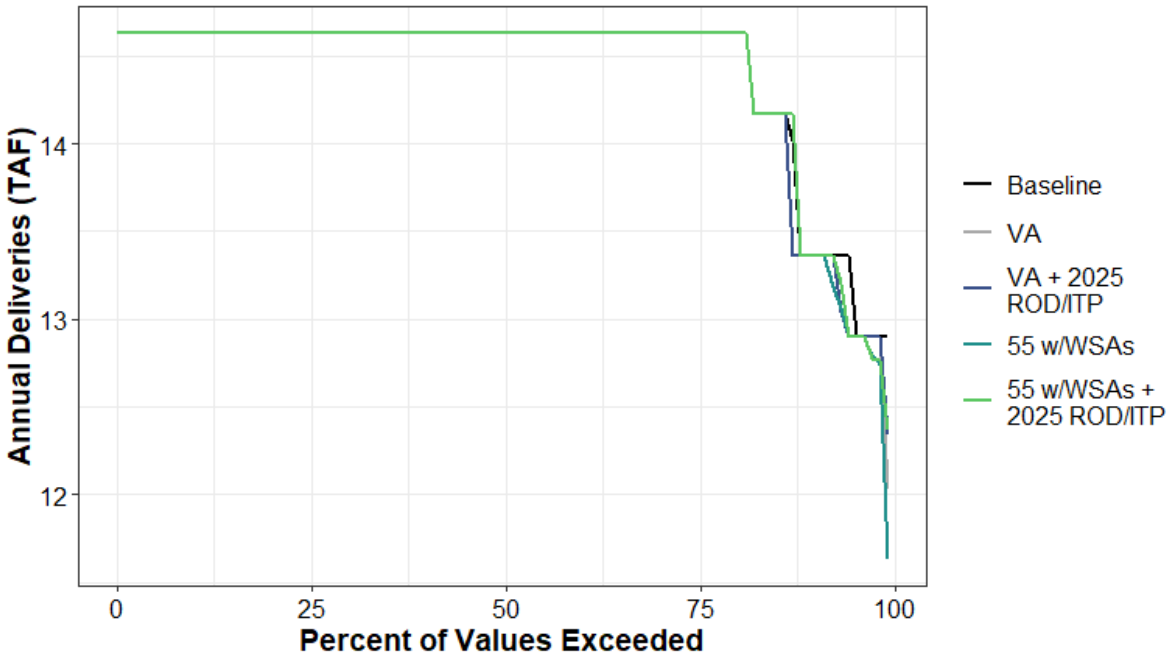

Figure H1a7-211. Surface Water Supplied to CVP Settlement (M&I) Annual Percent Exceedance Plot.

Table H1a7-426. Surface Water Supplied to CVP Settlement (M&I) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	14.6	14.6	14.6	14.6	14.6
10%	14.6	14.6	14.6	14.6	14.6
20%	14.6	14.6	14.6	14.6	14.6
30%	14.6	14.6	14.6	14.6	14.6
40%	14.6	14.6	14.6	14.6	14.6
50%	14.6	14.6	14.6	14.6	14.6
60%	14.6	14.6	14.6	14.6	14.6
70%	14.6	14.6	14.6	14.6	14.6
80%	14.6	14.6	14.6	14.6	14.6
90%	13.4	13.4	13.4	13.4	13.4
100%	12.9	12	12.3	11.6	12.4
Mean	14.4	14.4	14.4	14.4	14.4

Table H1a7-427. Surface Water Supplied to CVP Settlement (M&I) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	13.6	13.6	13.6	13.5	13.6
D	14.5	14.5	14.5	14.5	14.5
BN	14.6	14.6	14.6	14.6	14.6
AN	14.5	14.5	14.5	14.6	14.6
W	14.6	14.6	14.6	14.6	14.6
All	14.4	14.4	14.4	14.4	14.4

H1a7.6.52 CVP North of Delta (Refuge)

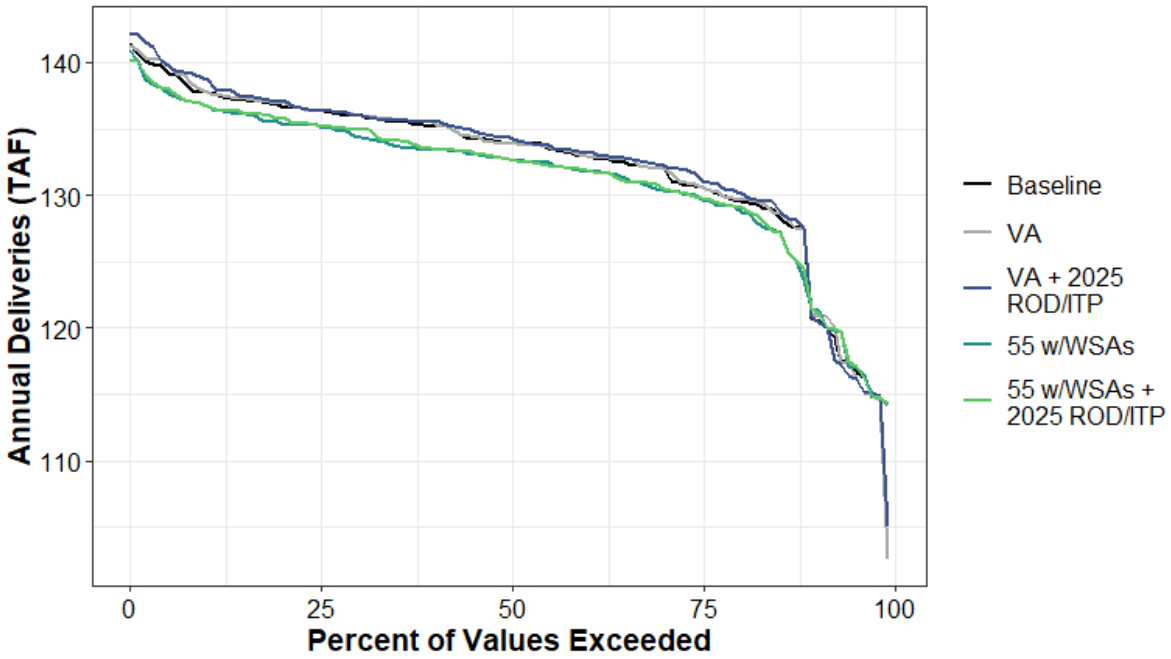

Figure H1a7-212. Surface Water Supplied to CVP North of Delta (Refuge) Annual Percent Exceedance Plot.

Table H1a7-428. Surface Water Supplied to CVP North of Delta (Refuge) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	141	141	142	141	140
10%	138	138	139	137	137
20%	137	137	137	135	136
30%	136	136	136	134	135
40%	135	135	136	133	134
50%	134	134	134	133	133
60%	133	133	133	132	132
70%	132	132	132	130	131
80%	130	130	130	129	129
90%	121	121	121	121	121
100%	114	103	105	114	114
Mean	132	132	133	131	131

Table H1a7-429. Surface Water Supplied to CVP North of Delta (Refuge) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	128	128	128	128	128
D	133	133	133	132	132
BN	133	134	133	133	133
AN	132	131	131	130	130
W	134	134	135	132	133
All	132	132	133	131	131

H1a7.6.53 Total CVP South of Delta

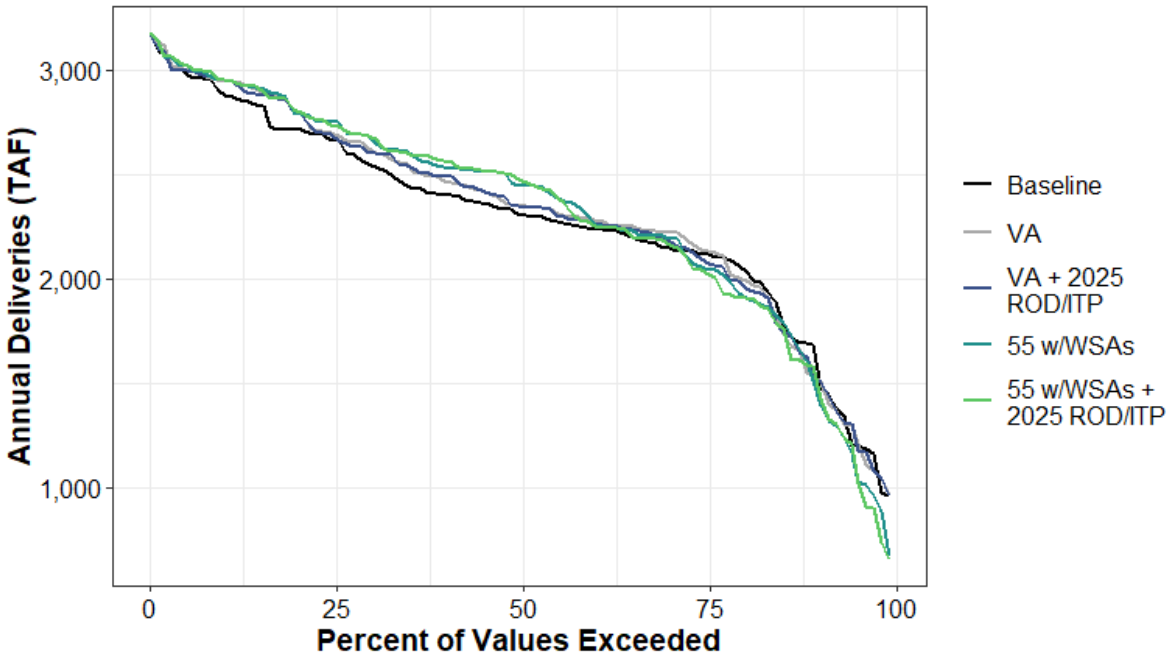

Figure H1a7-213. Surface Water Supplied to Total CVP South of Delta Annual Percent Exceedance Plot.

Table H1a7-430. Surface Water Supplied to Total CVP South of Delta Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	3,179	3,172	3,172	3,178	3,178
10%	2,885	2,947	2,957	2,952	2,952
20%	2,712	2,800	2,792	2,793	2,801
30%	2,544	2,617	2,602	2,668	2,677
40%	2,403	2,466	2,490	2,533	2,561
50%	2,307	2,347	2,347	2,449	2,475
60%	2,239	2,282	2,263	2,269	2,257
70%	2,145	2,223	2,185	2,198	2,174
80%	2,054	1,996	1,975	1,922	1,912
90%	1,646	1,530	1,520	1,491	1,547
100%	964	967	964	669	654
Mean	2,294	2,327	2,319	2,331	2,323

Table H1a7-431. Surface Water Supplied to Total CVP South of Delta Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,566	1,546	1,552	1,371	1,345
D	2,172	2,175	2,177	2,172	2,150
BN	2,252	2,291	2,268	2,358	2,362
AN	2,351	2,382	2,363	2,540	2,542
W	2,775	2,855	2,848	2,859	2,859
All	2,294	2,327	2,319	2,331	2,323

H1a7.6.54 CVP South of Delta Water Service (Agricultural)

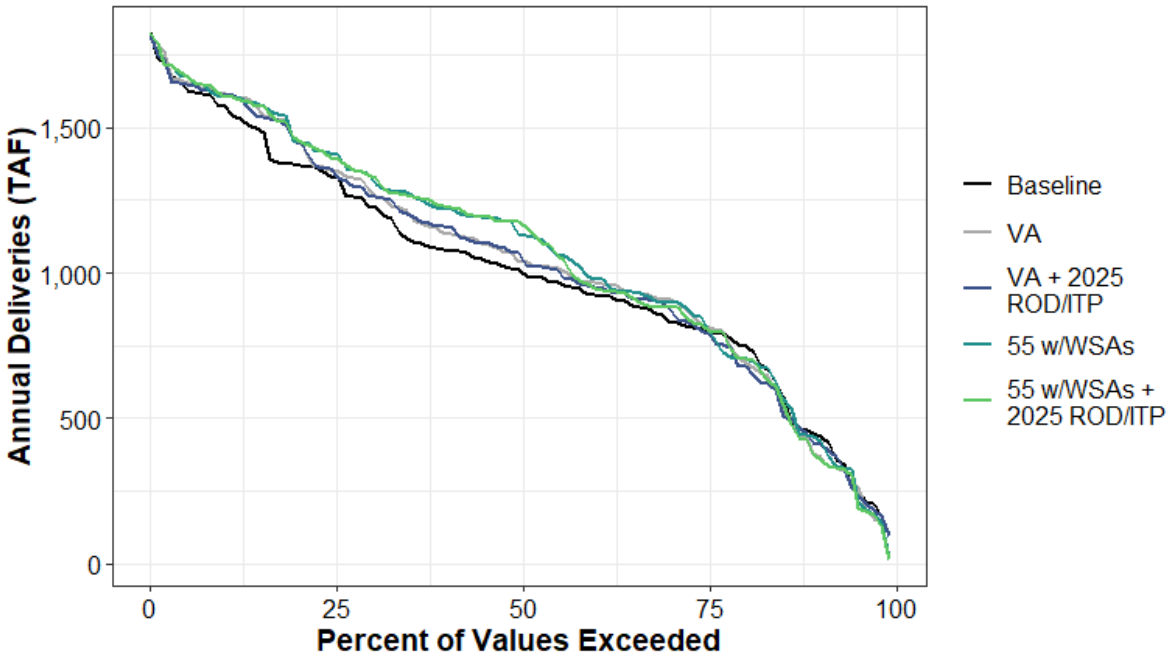

Figure H1a7-214. Surface Water Supplied to CVP South of Delta Water Service (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-432. Surface Water Supplied to CVP South of Delta Water Service (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,827	1,821	1,821	1,827	1,827
10%	1,574	1,617	1,615	1,608	1,610
20%	1,372	1,454	1,448	1,451	1,457
30%	1,227	1,279	1,265	1,326	1,336
40%	1,080	1,136	1,161	1,220	1,232
50%	1,013	1,039	1,069	1,129	1,176
60%	926	967	954	983	948
70%	841	908	885	898	883
80%	752	702	678	707	705
90%	447	376	416	434	373
100%	92	96	94	22	14
Mean	1,015	1,047	1,041	1,075	1,069

Table H1a7-433. Surface Water Supplied to CVP South of Delta Water Service (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	490	473	486	391	374
D	871	875	875	903	889
BN	939	976	953	1,050	1,050
AN	1,041	1,069	1,051	1,225	1,226
W	1,439	1,517	1,509	1,522	1,520
All	1,015	1,047	1,041	1,075	1,069

H1a7.6.55 CVP South of Delta Water Service (M&I)

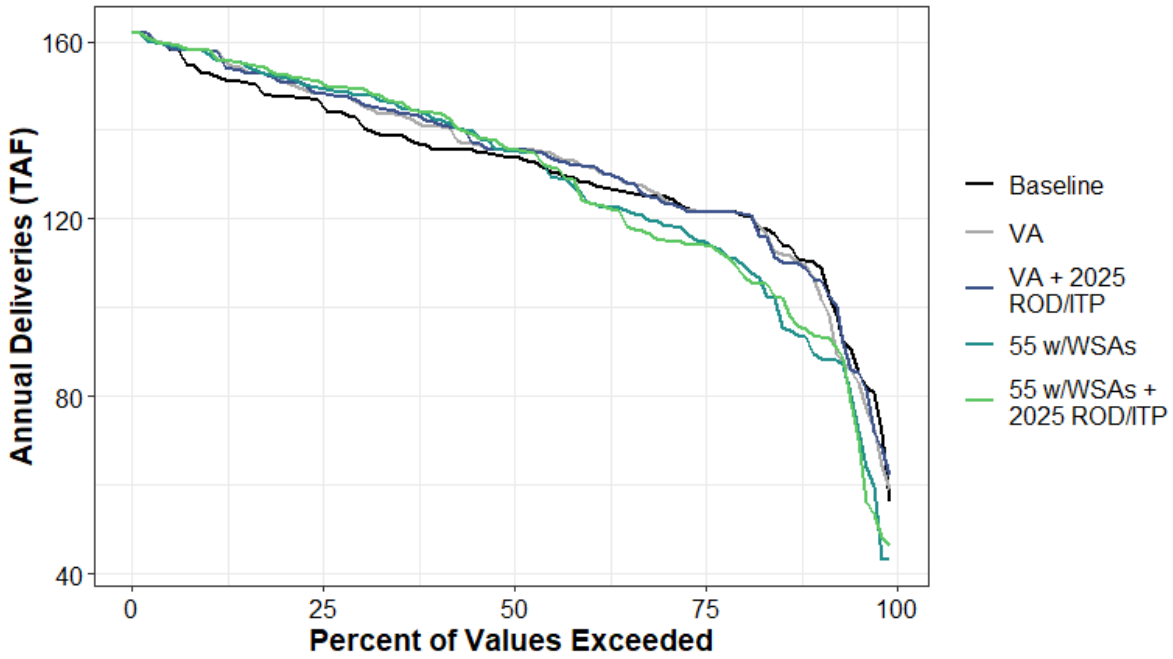

Figure H1a7-215. Surface Water Supplied to CVP South of Delta Water Service (M&I) Annual Percent Exceedance Plot.

Table H1a7-434. Surface Water Supplied to CVP South of Delta Water Service (M&I) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	162	162	162	162	162
10%	153	158	158	157	158
20%	148	151	151	152	153
30%	142	146	147	148	149
40%	136	141	142	143	144
50%	134	136	136	135	136
60%	128	132	132	124	124
70%	125	125	124	119	115
80%	121	121	121	111	109
90%	110	106	106	89	94
100%	56	59	62	43	46
Mean	131	132	133	129	129

Table H1a7-435. Surface Water Supplied to CVP South of Delta Water Service (M&I) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	102	100	101	85	86
D	127	127	128	119	117
BN	130	133	132	132	132
AN	132	135	135	140	141
W	149	153	153	153	153
All	131	132	133	129	129

H1a7.6.56 CVP SOD Exchange

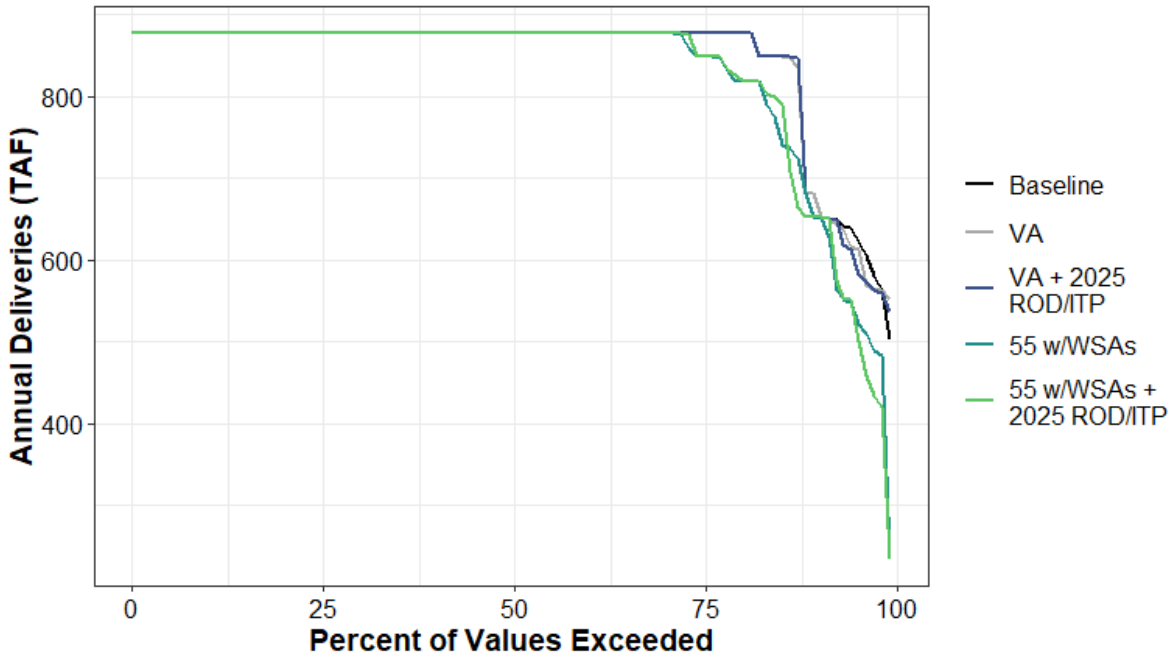

Figure H1a7-216. Surface Water Supplied to CVP SOD Exchange Annual Percent Exceedance Plot.

Table H1a7-436. Surface Water Supplied to CVP SOD Exchange Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	878	878	878	878	878
10%	878	878	878	878	878
20%	878	878	878	878	878
30%	878	878	878	878	878
40%	878	878	878	878	878
50%	878	878	878	878	878
60%	878	878	878	878	878
70%	878	878	878	878	878
80%	878	878	878	819	823
90%	653	677	654	653	653
100%	502	553	537	237	234
Mean	845	845	844	827	826

Table H1a7-437. Surface Water Supplied to CVP SOD Exchange Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	699	698	692	628	620
D	867	866	867	845	839
BN	875	875	875	871	873
AN	874	874	874	871	872
W	877	877	877	875	878
All	845	845	844	827	826

H1a7.6.57 CVP SOD Refuge

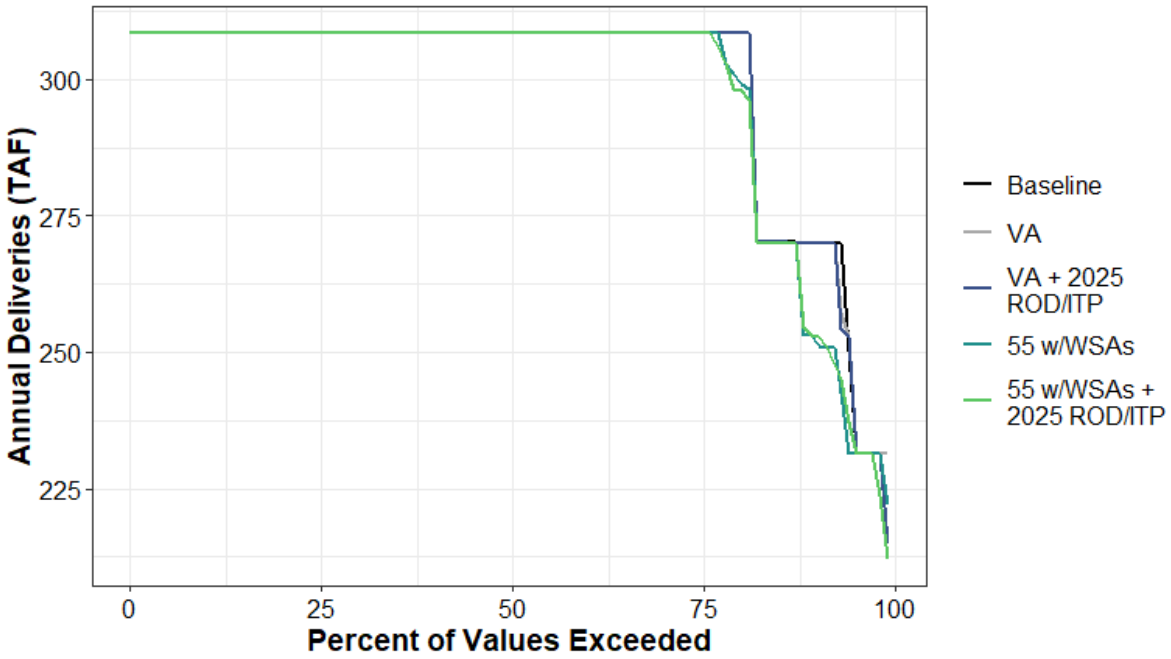

Figure H1a7-217. Surface Water Supplied to CVP SOD Refuge Annual Percent Exceedance Plot.

Table H1a7-438. Surface Water Supplied to CVP SOD Refuge Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	309	309	309	309	309
10%	309	309	309	309	309
20%	309	309	309	309	309
30%	309	309	309	309	309
40%	309	309	309	309	309
50%	309	309	309	309	309
60%	309	309	309	309	309
70%	309	309	309	309	309
80%	309	309	309	300	298
90%	270	270	270	253	253
100%	231	231	215	222	212
Mean	299	299	299	298	297

Table H1a7-439. Surface Water Supplied to CVP SOD Refuge Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	271	271	269	263	261
D	303	303	303	303	302
BN	304	304	304	303	304
AN	302	302	302	302	302
W	307	307	307	307	307
All	299	299	299	298	297

H1a7.6.58 Total SWP Deliveries

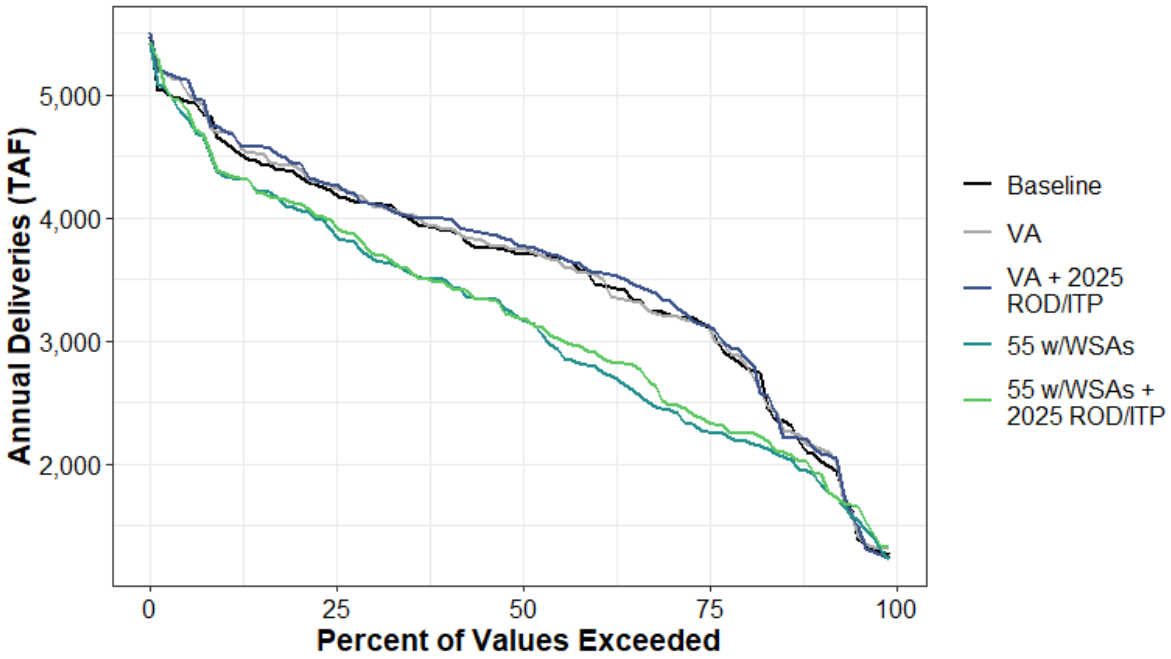

Figure H1a7-218. Surface Water Supplied to Total SWP Deliveries Annual Percent Exceedance Plot.

Table H1a7-440. Surface Water Supplied to Total SWP Deliveries Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	5,463	5,506	5,507	5,416	5,422
10%	4,629	4,695	4,716	4,346	4,366
20%	4,351	4,407	4,439	4,071	4,112
30%	4,120	4,111	4,119	3,683	3,727
40%	3,898	3,909	3,995	3,489	3,468
50%	3,710	3,748	3,774	3,193	3,186
60%	3,480	3,541	3,558	2,796	2,908
70%	3,221	3,209	3,330	2,450	2,491
80%	2,819	2,856	2,906	2,189	2,253
90%	2,076	2,148	2,132	1,902	1,937
100%	1,269	1,313	1,243	1,227	1,324
Mean	3,552	3,574	3,613	3,137	3,189

Table H1a7-441. Surface Water Supplied to Total SWP Deliveries Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	2,025	2,061	2,083	1,887	1,947
D	3,242	3,209	3,301	2,427	2,525
BN	3,629	3,639	3,666	3,106	3,151
AN	3,784	3,802	3,782	3,455	3,454
W	4,451	4,516	4,556	4,217	4,256
All	3,552	3,574	3,613	3,137	3,189

H1a7.6.59 Total SWP Table A

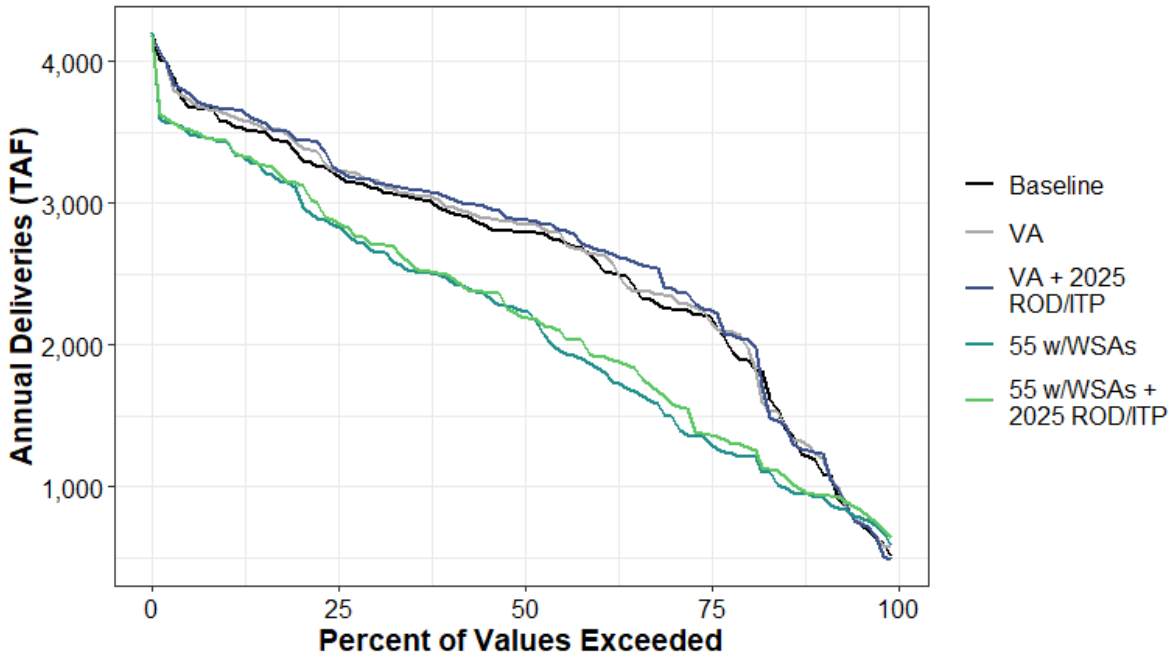

Figure H1a7-219. Surface Water Supplied to Total SWP Table A Annual Percent Exceedance Plot.

Table H1a7-442. Surface Water Supplied to Total SWP Table A Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,188	4,176	4,174	4,204	4,175
10%	3,576	3,637	3,668	3,432	3,443
20%	3,326	3,404	3,449	3,028	3,130
30%	3,108	3,169	3,158	2,667	2,718
40%	2,946	2,973	3,045	2,466	2,490
50%	2,797	2,853	2,884	2,244	2,206
60%	2,596	2,645	2,678	1,849	1,917
70%	2,255	2,347	2,399	1,501	1,609
80%	1,898	2,028	2,046	1,213	1,288
90%	1,171	1,226	1,239	929	944
100%	514	572	487	588	646
Mean	2,596	2,632	2,670	2,140	2,192

Table H1a7-443. Surface Water Supplied to Total SWP Table A Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,172	1,205	1,216	1,010	1,073
D	2,287	2,287	2,386	1,451	1,543
BN	2,698	2,754	2,777	2,150	2,197
AN	2,832	2,896	2,887	2,442	2,466
W	3,425	3,463	3,497	3,119	3,151
All	2,596	2,632	2,670	2,140	2,192

H1a7.6.60 SWP Table A North of Delta

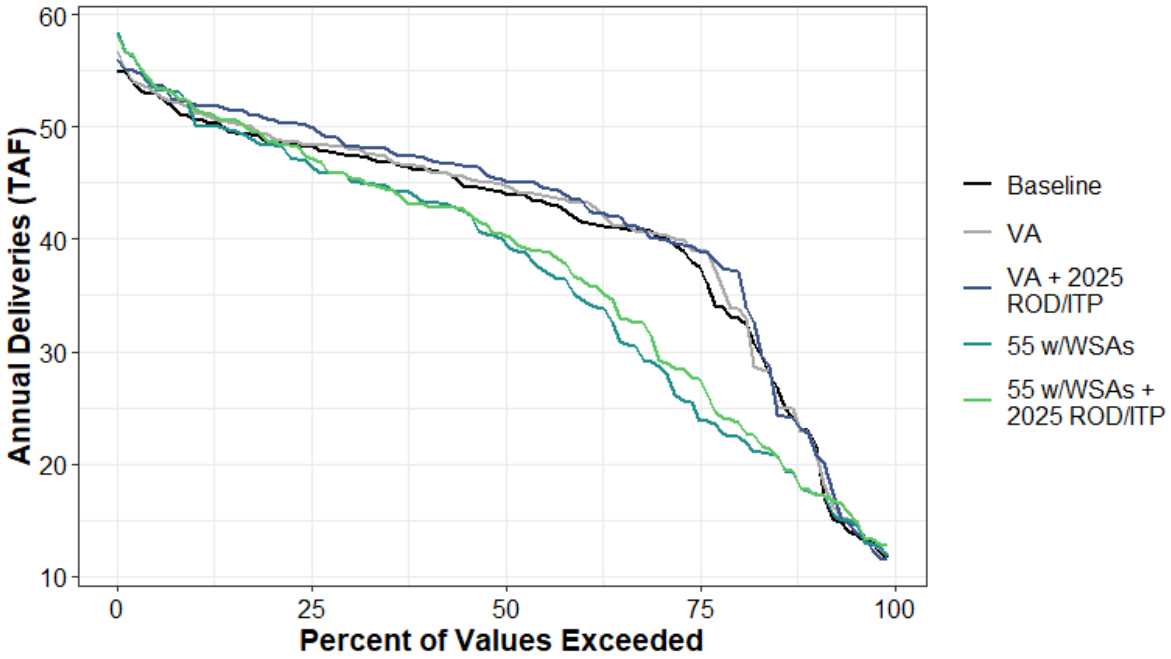

Figure H1a7-220. Surface Water Supplied to SWP Table A North of Delta Annual Percent Exceedance Plot.

Table H1a7-444. Surface Water Supplied to SWP Table A North of Delta Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	55	57	56	58	58
10%	51	51	52	51	52
20%	49	49	51	48	49
30%	47	48	48	46	46
40%	46	46	47	43	43
50%	44	45	45	40	40
60%	42	43	44	35	37
70%	40	41	40	29	30
80%	33	34	37	22	24
90%	23	22	22	18	18
100%	12	12	11	12	13
Mean	41	41	42	37	37

Table H1a7-445. Surface Water Supplied to SWP Table A North of Delta Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	21	21	21	17	18
D	38	39	40	27	29
BN	43	43	43	39	40
AN	46	45	46	44	44
W	50	50	51	49	50
All	41	41	42	37	37

H1a7.6.61 SWP Table A South of Delta

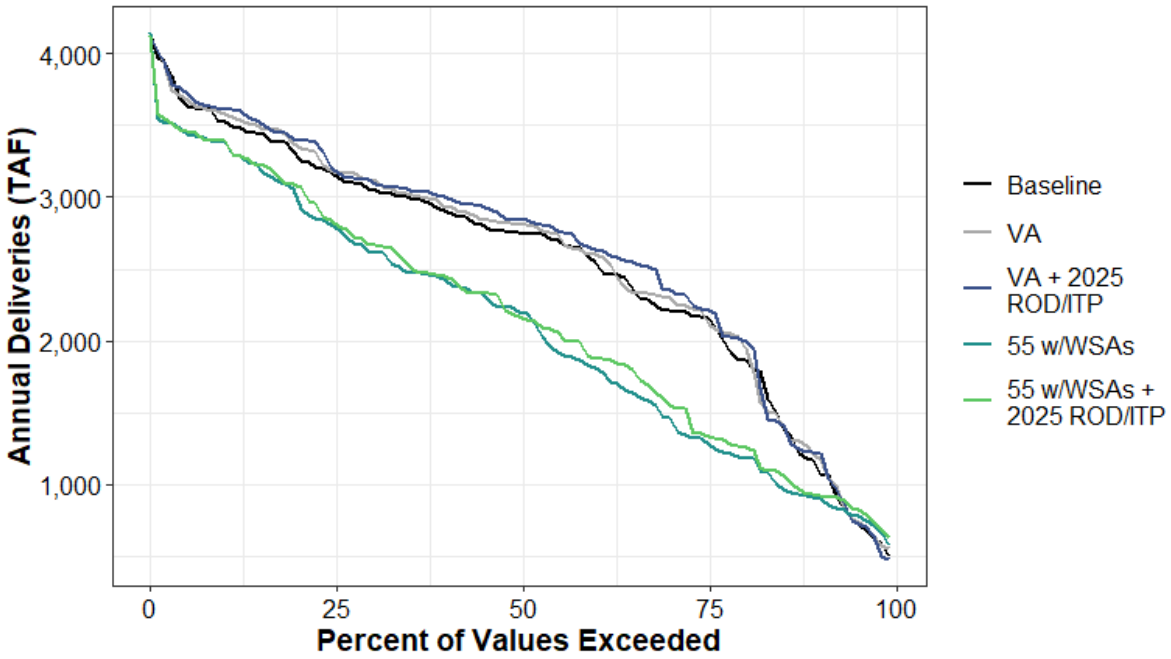

Figure H1a7-221. Surface Water Supplied to SWP Table A South of Delta Annual Percent Exceedance Plot.

Table H1a7-446. Surface Water Supplied to SWP Table A South of Delta Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4,136	4,119	4,118	4,147	4,119
10%	3,529	3,587	3,620	3,382	3,394
20%	3,277	3,354	3,399	2,976	3,077
30%	3,059	3,122	3,110	2,625	2,669
40%	2,899	2,930	2,999	2,421	2,447
50%	2,752	2,807	2,842	2,204	2,171
60%	2,556	2,604	2,637	1,812	1,879
70%	2,212	2,306	2,357	1,470	1,575
80%	1,865	1,994	2,010	1,190	1,263
90%	1,147	1,203	1,218	912	926
100%	500	557	476	576	633
Mean	2,556	2,591	2,628	2,103	2,154

Table H1a7-447. Surface Water Supplied to SWP Table A South of Delta Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	1,151	1,184	1,195	993	1,054
D	2,249	2,248	2,346	1,424	1,514
BN	2,654	2,711	2,734	2,111	2,157
AN	2,786	2,850	2,842	2,399	2,422
W	3,375	3,412	3,446	3,070	3,102
All	2,556	2,591	2,628	2,103	2,154

H1a7.6.62 Total SWP Article 21

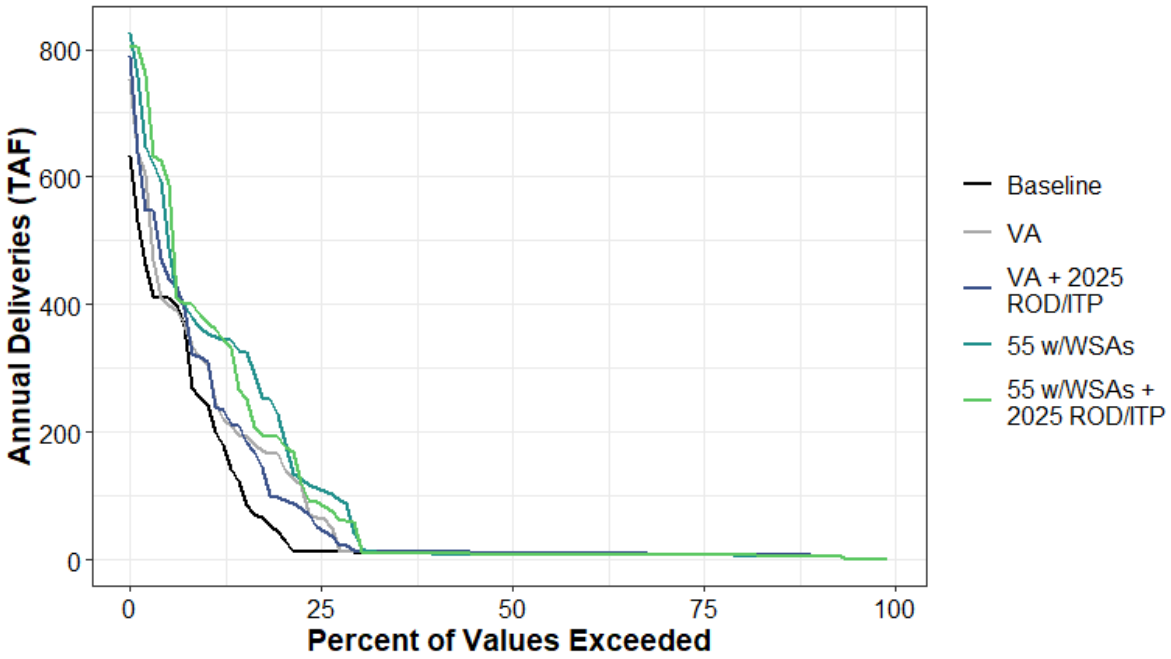

Figure H1a7-222. Surface Water Supplied to Total SWP Article 21 Annual Percent Exceedance Plot.

Table H1a7-448. Surface Water Supplied to Total SWP Article 21 Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	633	752	789	826	807
10%	244	307	312	355	374
20%	36	150	95	199	183
30%	11	12	15	31	40
40%	11	11	11	9	9
50%	10	10	10	8	8
60%	10	9	10	8	8
70%	8	8	9	7	7
80%	8	7	8	6	6
90%	6	6	6	5	5
100%	0	0	0	0	0
Mean	61	80	80	102	101

Table H1a7-449. Surface Water Supplied to Total SWP Article 21 Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	23	29	34	62	55
D	23	53	44	38	44
BN	18	28	31	38	35
AN	62	74	59	114	88
W	136	164	170	208	214
All	61	80	80	102	101

H1a7.6.63 SWP Article 21 Central Coast and Tulare

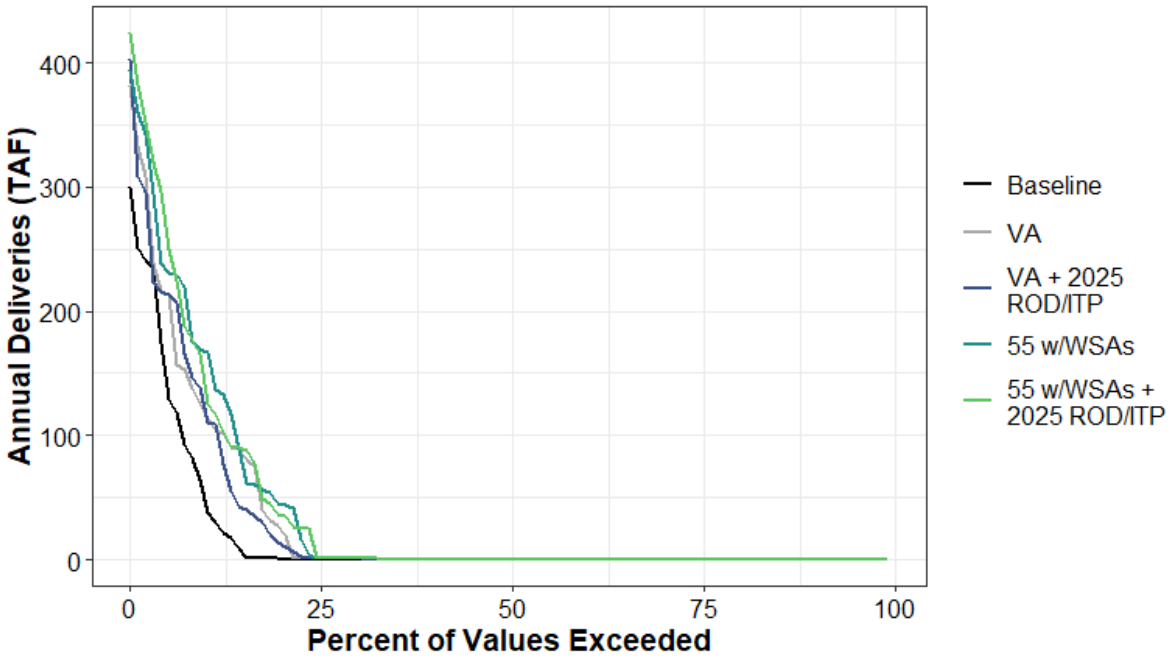

Figure H1a7-223. Surface Water Supplied to SWP Article 21 Central Coast and Tulare Annual Percent Exceedance Plot.

Table H1a7-450. Surface Water Supplied to SWP Article 21 Central Coast and Tulare Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	299	382	402	393	424
10%	43	116	116	167	133
20%	1	22	12	45	36
30%	1	1	1	1	1
40%	1	1	1	1	1
50%	0	1	1	1	1
60%	0	1	1	0	1
70%	0	0	0	0	0
80%	0	0	0	0	0
90%	0	0	0	0	0
100%	0	0	0	0	0
Mean	19	31	29	38	38

Table H1a7-451. Surface Water Supplied to SWP Article 21 Central Coast and Tulare Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	9	13	14	28	25
D	8	29	24	17	20
BN	5	12	14	16	14
AN	7	12	4	9	2
W	45	61	62	83	87
All	19	31	29	38	38

H1a7.6.64 SWP Article 21 South Bay Aqueduct

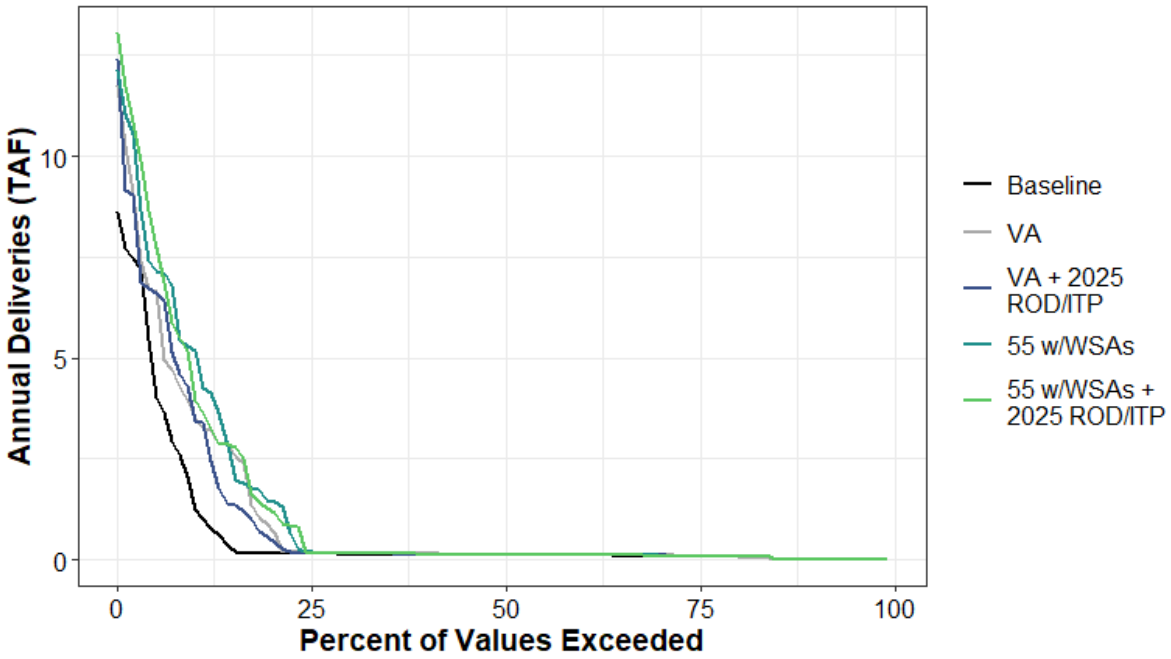

Figure H1a7-224. Surface Water Supplied to SWP Article 21 South Bay Aqueduct Annual Percent Exceedance Plot.

Table H1a7-452. Surface Water Supplied to SWP Article 21 South Bay Aqueduct Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	8.6	11.7	12.4	12.1	13.1
10%	1.4	3.6	3.6	5.2	4.2
20%	0.2	0.8	0.5	1.5	1.2
30%	0.1	0.1	0.1	0.2	0.2
40%	0.1	0.1	0.1	0.1	0.1
50%	0.1	0.1	0.1	0.1	0.1
60%	0.1	0.1	0.1	0.1	0.1
70%	0.1	0.1	0.1	0.1	0.1
80%	0.1	0.1	0.1	0.1	0.1
90%	0	0	0	0	0
100%	0	0	0	0	0
Mean	0.6	1	1	1.2	1.2

Table H1a7-453. Surface Water Supplied to SWP Article 21 South Bay Aqueduct Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	0.4	0.5	0.5	1	0.9
D	0.3	1	0.8	0.6	0.7
BN	0.2	0.5	0.5	0.6	0.5
AN	0.3	0.4	0.2	0.3	0.2
W	1.4	1.9	1.9	2.6	2.7
All	0.6	1	1	1.2	1.2

H1a7.6.65 SWP Article 21 South Coast

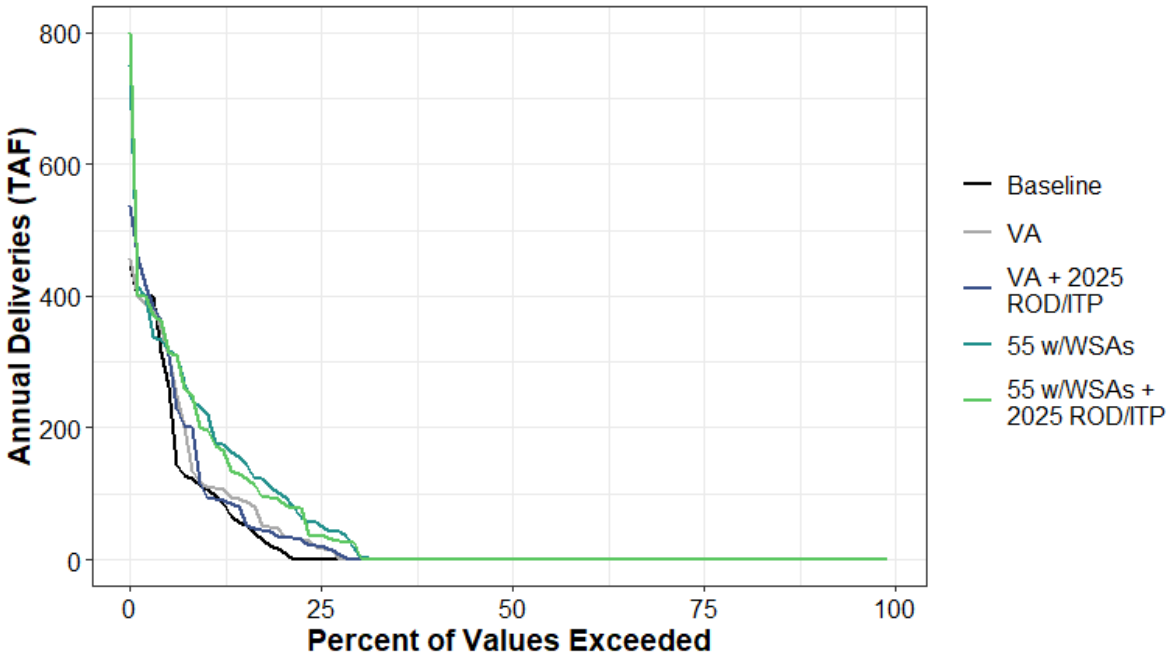

Figure H1a7-225. Surface Water Supplied to SWP Article 21 South Coast Annual Percent Exceedance Plot.

Table H1a7-454. Surface Water Supplied to SWP Article 21 South Coast Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	450	456	536	749	800
10%	108	112	98	222	198
20%	13	39	35	98	86
30%	0	0	1	12	15
40%	0	0	0	0	0
50%	0	0	0	0	0
60%	0	0	0	0	0
70%	0	0	0	0	0
80%	0	0	0	0	0
90%	0	0	0	0	0
100%	0	0	0	0	0
Mean	34	40	41	57	55

Table H1a7-455. Surface Water Supplied to SWP Article 21 South Coast Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	8	10	13	27	24
D	8	16	13	15	17
BN	5	7	8	16	14
AN	45	53	46	97	78
W	80	91	96	114	116
All	34	40	41	57	55

H1a7.6.66 SWP Article 21 Napa

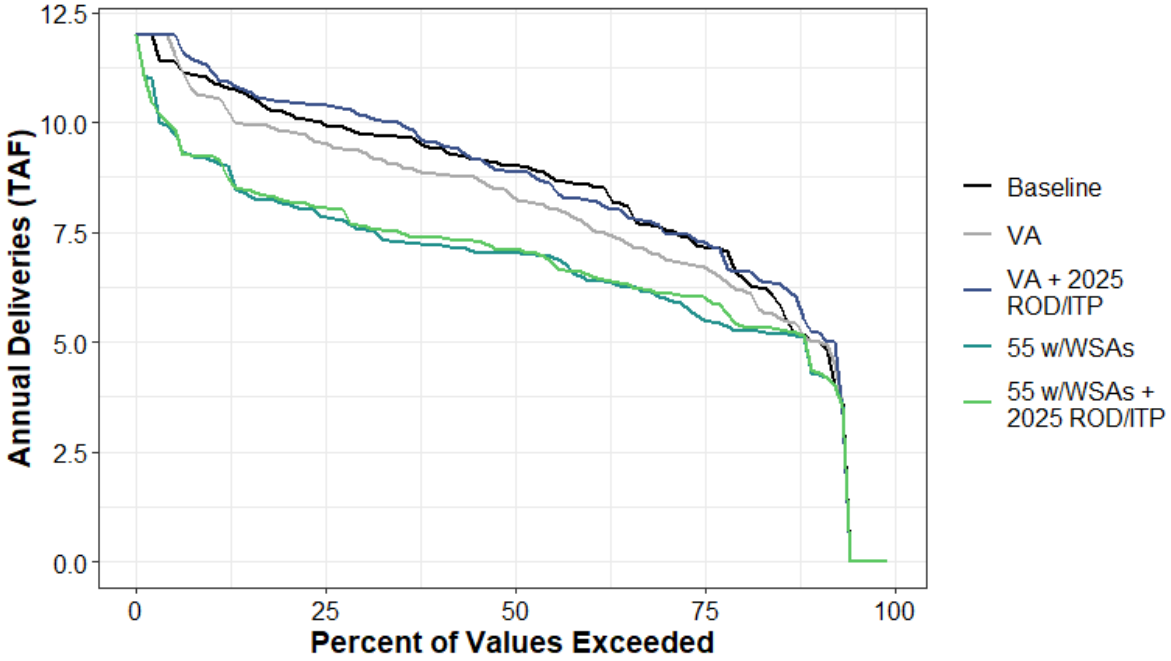

Figure H1a7-226. Surface Water Supplied to SWP Article 21 Napa Annual Percent Exceedance Plot.

Table H1a7-456. Surface Water Supplied to SWP Article 21 Napa Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	12	12	12	12	12
10%	10.9	10.6	11.2	9.1	9.2
20%	10.2	9.8	10.5	8.1	8.2
30%	9.7	9.3	10.2	7.6	7.6
40%	9.4	8.8	9.5	7.2	7.4
50%	9	8.3	8.9	7	7.1
60%	8.6	7.7	8.2	6.4	6.5
70%	7.6	6.9	7.6	6	6.1
80%	6.5	6.2	6.6	5.3	5.4
90%	5	5	5.2	4.3	4.3
100%	0	0	0	0	0
Mean	8.2	7.8	8.4	6.6	6.7

Table H1a7-457. Surface Water Supplied to SWP Article 21 Napa Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	5.7	5.7	6.1	5.4	5.5
D	7.3	6.7	7.1	5.8	6
BN	8.5	7.9	8.3	6.1	6.1
AN	9.4	8.3	9.4	7.3	7.2
W	9.6	9.5	10.1	7.9	8.1
All	8.2	7.8	8.4	6.6	6.7

H1a7.6.67 SWP Feather River Service Area (Agricultural)

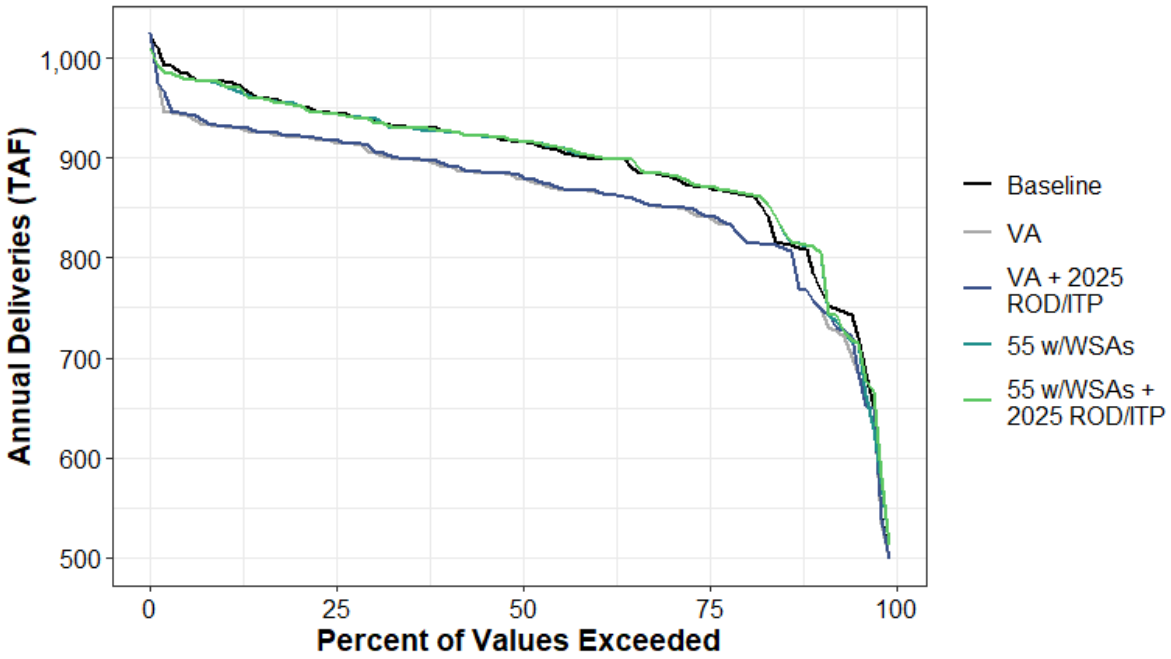

Figure H1a7-227. Surface Water Supplied to SWP Feather River Service Area (Agricultural) Annual Percent Exceedance Plot.

Table H1a7-458. Surface Water Supplied to SWP Feather River Service Area (Agricultural) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	1,022	1,026	1,026	1,010	1,010
10%	976	932	932	973	974
20%	953	921	922	953	953
30%	939	906	911	940	938
40%	928	891	894	927	928
50%	916	879	883	917	917
60%	900	867	868	903	903
70%	883	851	851	884	884
80%	864	821	821	866	866
90%	781	755	755	810	811
100%	498	498	498	513	513
Mean	893	861	863	894	895

Table H1a7-459. Surface Water Supplied to SWP Feather River Service Area (Agricultural) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	829	825	830	812	816
D	932	869	870	937	937
BN	913	856	857	917	918
AN	890	833	835	898	898
W	889	889	889	889	890
All	893	861	863	894	895

H1a7.6.68 SWP Settlement (Urban)

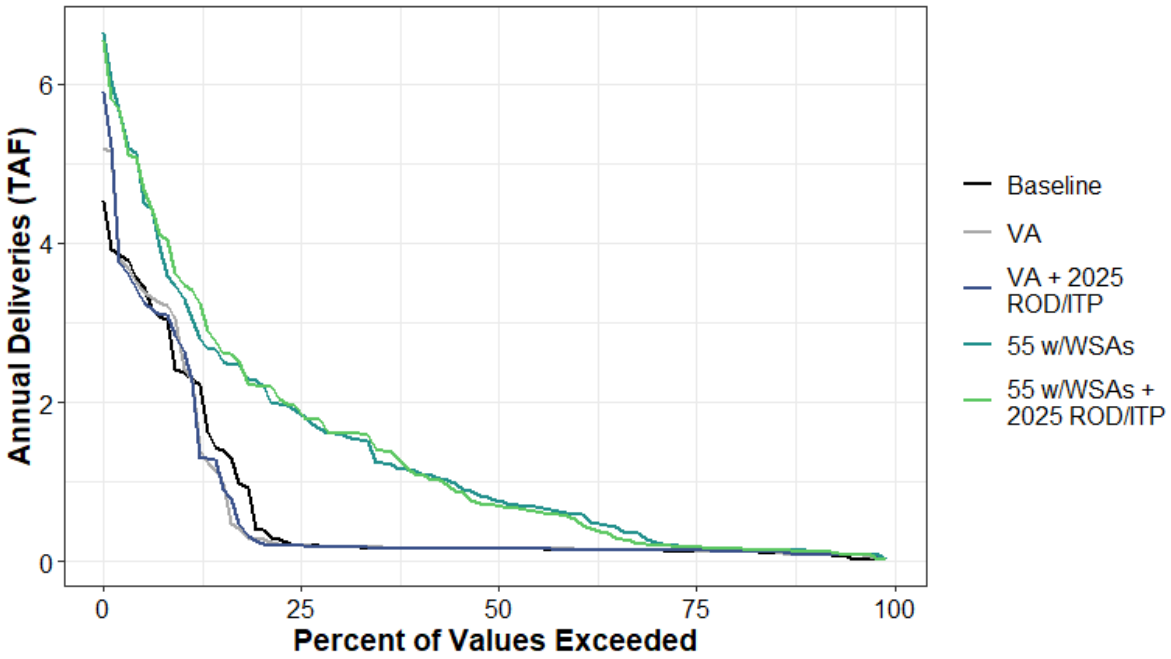

Figure H1a7-228. Surface Water Supplied to SWP Settlement (Urban) Annual Percent Exceedance Plot.

Table H1a7-460. Surface Water Supplied to SWP Settlement (Urban) Annual Exceedance Probability Distribution by Scenario (TAF).

	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
0%	4.5	5.2	5.9	6.6	6.6
10%	2.4	2.5	2.7	3.3	3.5
20%	0.4	0.3	0.2	2.2	2.2
30%	0.2	0.2	0.2	1.6	1.6
40%	0.2	0.2	0.2	1.1	1.1
50%	0.2	0.2	0.2	0.8	0.7
60%	0.1	0.1	0.1	0.6	0.5
70%	0.1	0.1	0.1	0.3	0.2
80%	0.1	0.1	0.1	0.2	0.2
90%	0.1	0.1	0.1	0.1	0.1
100%	0	0	0	0	0
Mean	0.6	0.6	0.6	1.3	1.3

Table H1a7-461. Surface Water Supplied to SWP Settlement (Urban) Average by Water Year Type (TAF).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	2.5	2.7	2.7	3.8	3.7
D	0.4	0.2	0.3	1.2	1.4
BN	0.3	0.3	0.3	1.1	1.2
AN	0.2	0.1	0.1	0.6	0.6
W	0.1	0.1	0.1	0.4	0.4
All	0.6	0.6	0.6	1.3	1.3

H1a7.7 Groundwater Storage and Flows

H1a7.7.1 Total Groundwater Pumping

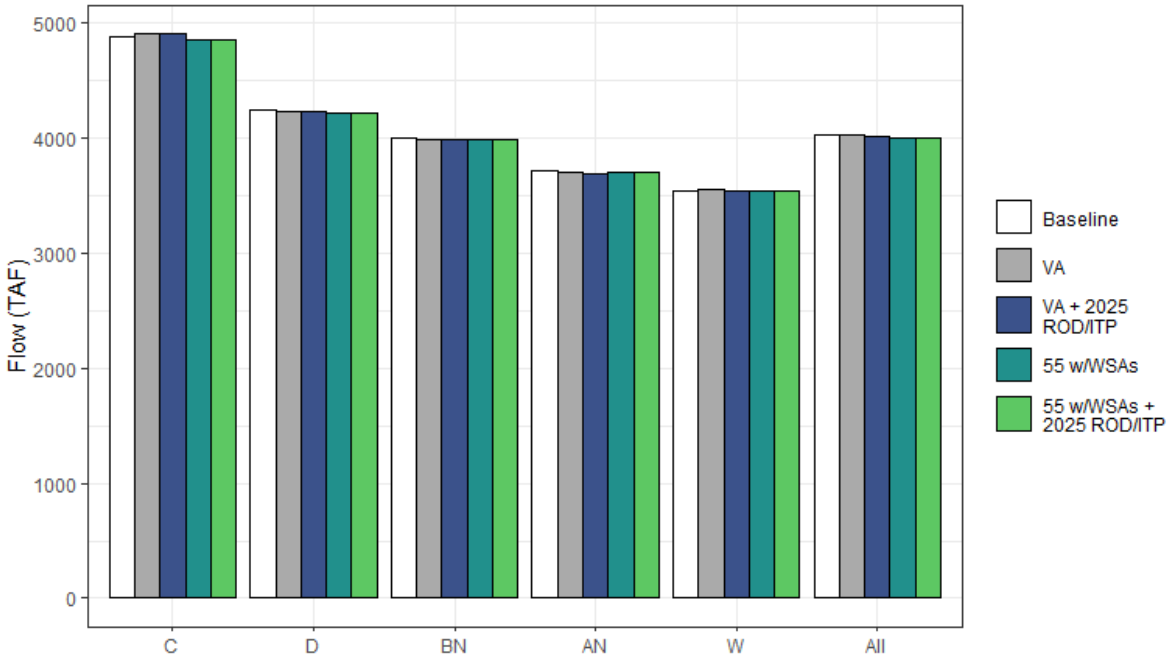

Figure H1a7-229. Average Annual Groundwater Pumping Across All Basins by WYT and Scenario (TAF/yr).

Table H1a7-462. Average Annual Groundwater Pumping Across All Basins by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	4,885	4,909	4,904	4,849	4,850
D	4,241	4,237	4,233	4,212	4,213
BN	4,007	3,983	3,984	3,985	3,985
AN	3,720	3,697	3,692	3,703	3,703
W	3,546	3,548	3,543	3,535	3,535
All	4,026	4,023	4,019	4,004	4,005

H1a7.7.2 Total Groundwater Pumping — Delta Eastside Tributaries

The groundwater basins underlying the Delta Eastside Tributaries region include the Cosumnes and a portion of the Eastern San Joaquin basins. Groundwater pumping for this region is considered to be the sum of groundwater pumping for all demands in water budget areas 60N and 60S; pumping for demands in water budget area 61N is excluded.

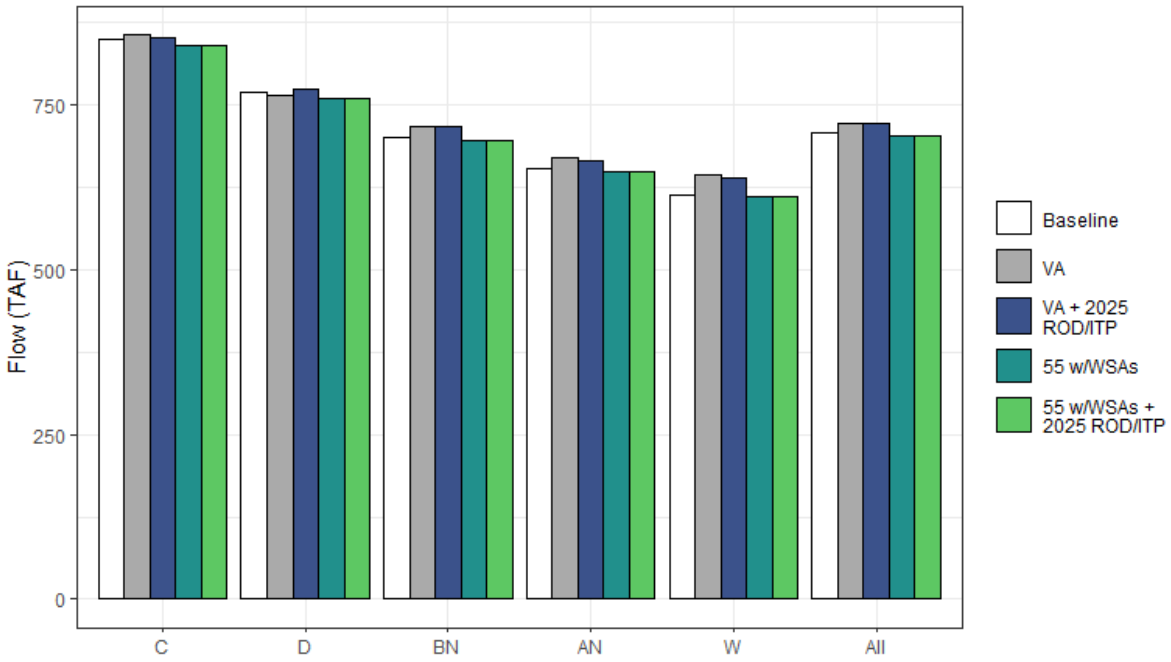

Figure H1a7-230. Average Total Annual Groundwater Pumping for the Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

Table H1a7-463. Average Total Annual Groundwater Pumping for the Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	851	857	853	841	841
D	768	766	773	761	761
BN	701	716	718	696	696
AN	652	670	666	648	648
W	614	644	638	611	611
All	708	722	722	702	702

H1a7.7.3 Groundwater Pumping — Sacramento River Watershed

The groundwater basins underlying the Sacramento River Watershed region include the American, Butte, Red Bluff-Corning, Redding, Sutter-Yuba, Yolo-Solano, and Colusa basins.

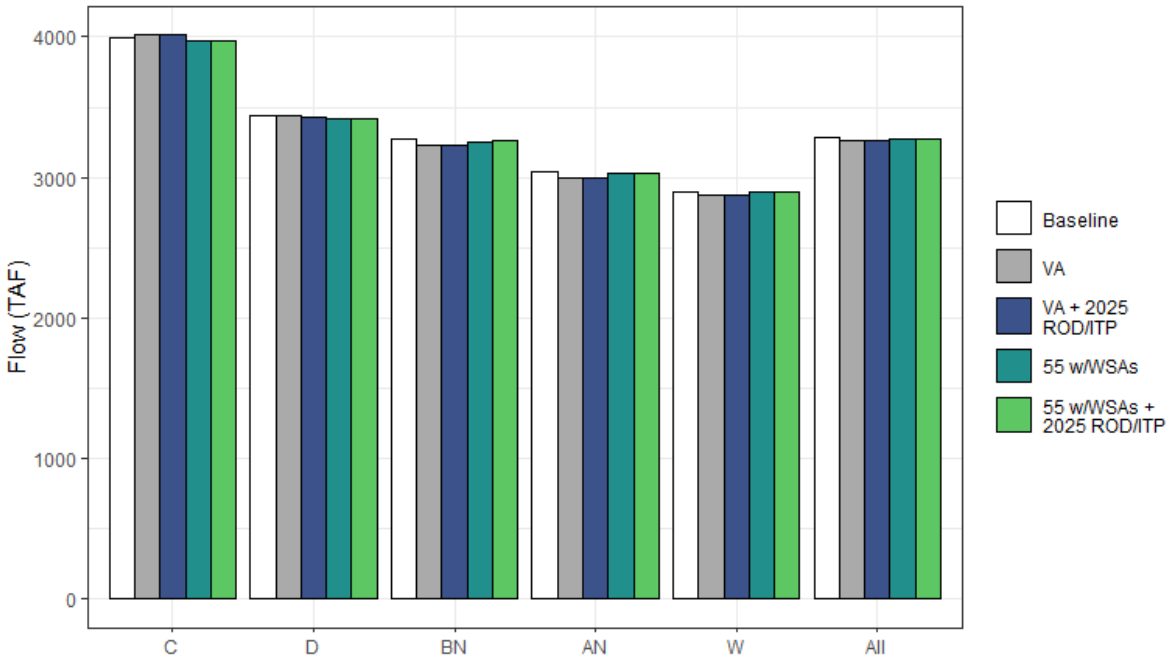

Figure H1a7-231. Average Total Annual Groundwater Pumping for the Sacramento Watershed Region by WYT and Scenario (TAF/yr).

Table H1a7-464. Average Total Annual Groundwater Pumping for the Sacramento Watershed Region by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	3,999	4,017	4,016	3,973	3,974
D	3,439	3,438	3,426	3,418	3,418
BN	3,273	3,235	3,234	3,257	3,257
AN	3,037	2,997	2,995	3,025	3,025
W	2,901	2,873	2,874	2,894	2,894
All	3,286	3,268	3,265	3,270	3,271

H1a7.7.4 Groundwater Pumping by Basin

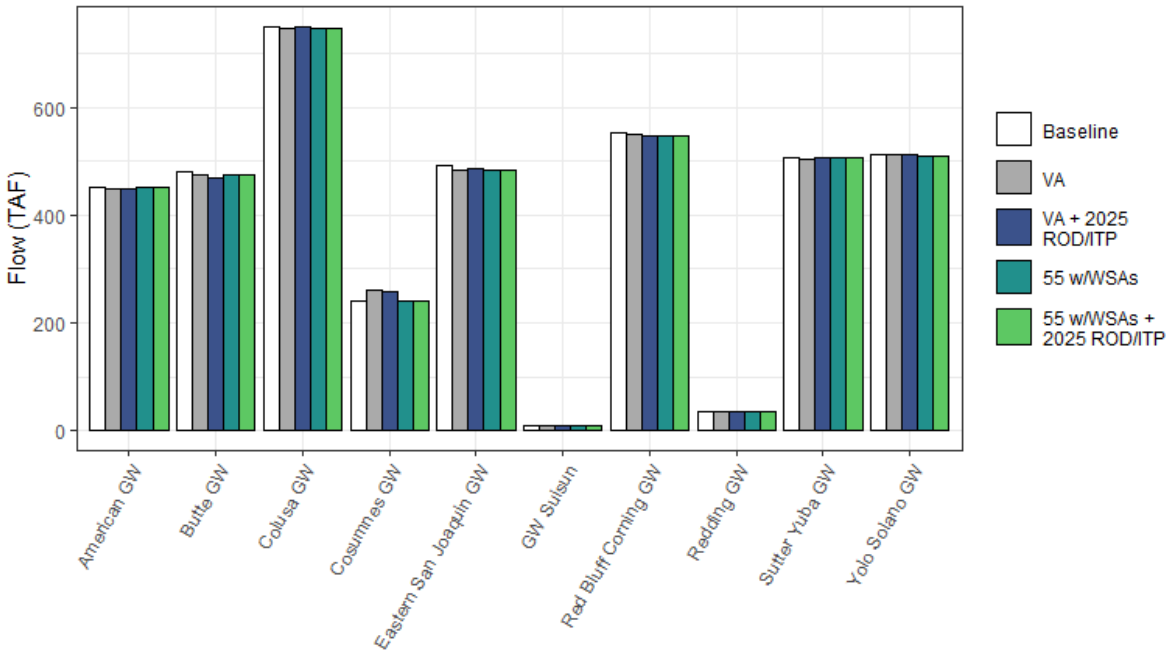

Figure H1a7-232. Annual Average Groundwater Pumping by Basin (TAF/yr).

Table H1a7-465. Annual Average Groundwater Pumping by Basin and Change from Baseline (TAF/yr).

Basin	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
American GW	452	-5	-4	-2	-2
Butte GW	480	-5	-12	-5	-5
Colusa GW	749	-3	-1	-2	-2
Cosumnes GW	239	21	18	1	1
Eastern San Joaquin GW	491	-7	-4	-7	-7
GW Suisun	10	0	0	0	0
Red Bluff Corning GW	551	-2	-4	-4	-4
Redding GW	36	0	0	0	0
Sutter Yuba GW	505	-3	1	0	0
Yolo Solano GW	513	0	-1	-3	-3

H1a7.7.5 Total Groundwater Recharge

Total groundwater recharge includes stream gain/loss, infiltration from applied water and precipitation, and transmission losses to all of the groundwater basins.

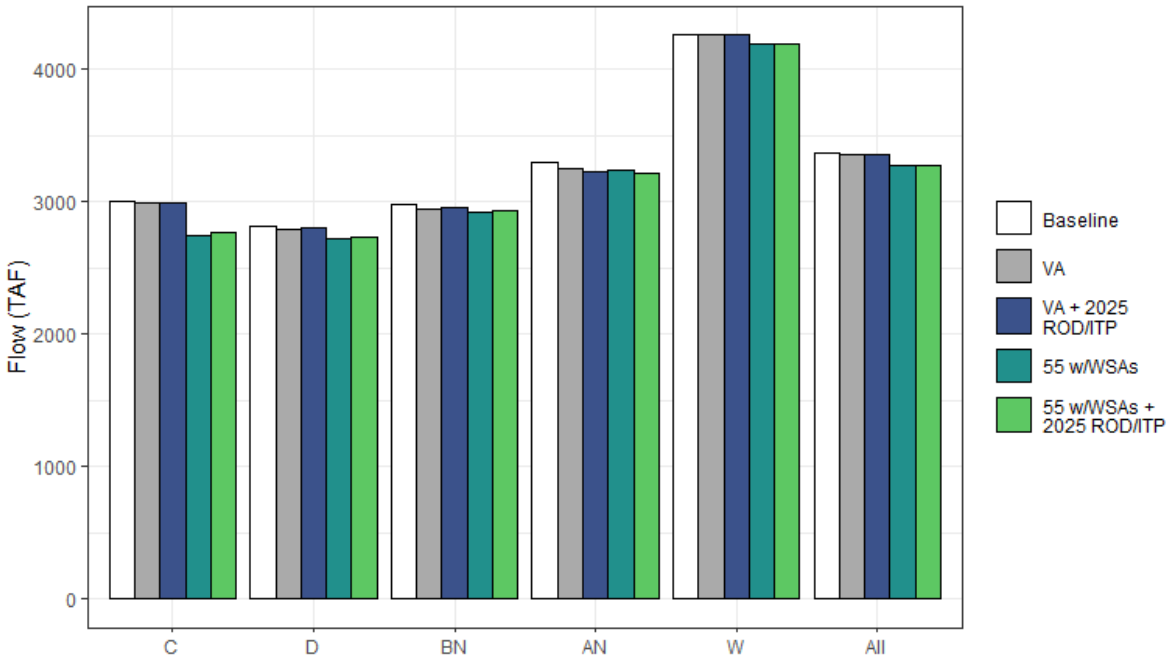

Figure H1a7-233. Total Average Annual Groundwater Recharge by WYT and Scenario (TAF/yr).

Table H1a7-466. Total Average Annual Groundwater Recharge by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	3,000	2,993	2,998	2,748	2,765
D	2,818	2,792	2,806	2,722	2,735
BN	2,983	2,947	2,955	2,927	2,930
AN	3,294	3,252	3,232	3,235	3,220
W	4,264	4,263	4,259	4,191	4,194
All	3,375	3,356	3,358	3,273	3,278

H1a7.7.6 Total Groundwater Recharge — Delta Eastside Tributaries

Total groundwater recharge includes stream gain/loss, infiltration from applied water and precipitation, and transmission losses to all of the groundwater basins. The groundwater basins underlying the Delta Eastside Tributaries region include the Cosumnes and a portion of the Eastern San Joaquin basins. All sources of recharge within water budget areas 60S and 60N are included in the summary of recharge for the Delta Eastside Tributaries region.

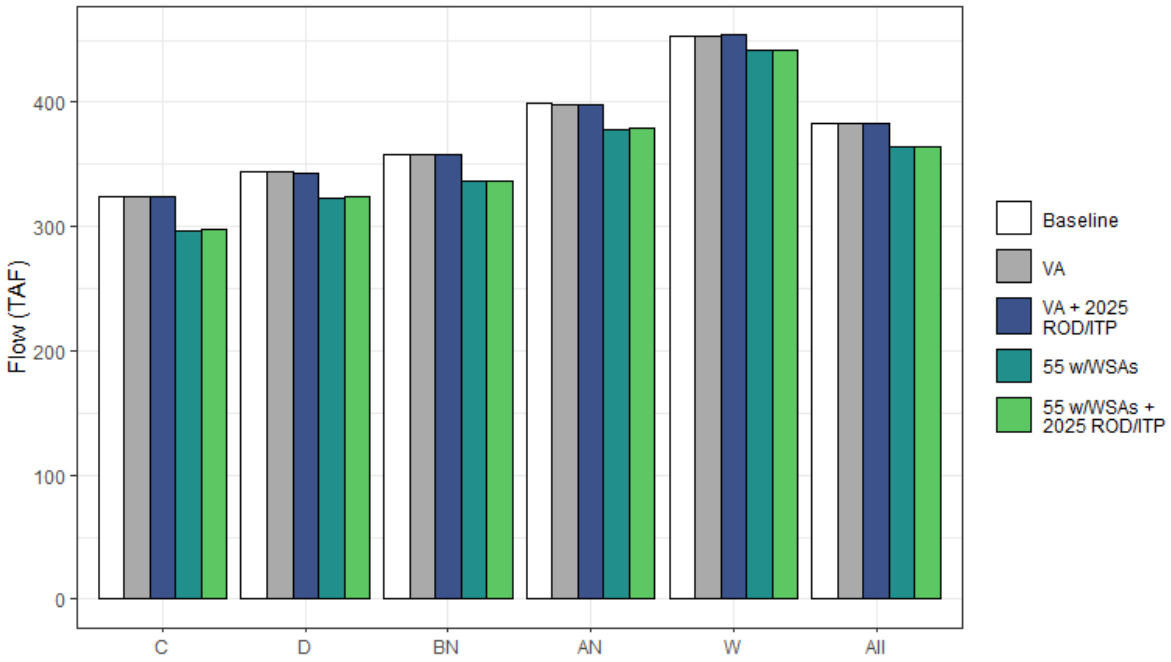

Figure H1a7-234. Total Average Annual Groundwater Recharge for the Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

Table H1a7-467. Total Average Annual Groundwater Recharge for the Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	324	324	324	297	297
D	344	344	343	323	324
BN	358	358	358	337	337
AN	400	398	398	378	379
W	454	454	455	442	442
All	383	383	383	364	364

H1a7.7.7 Total Groundwater Recharge — Sacramento River Watershed

Total groundwater recharge includes stream gain/loss, infiltration from applied water and precipitation, and transmission losses to all of the groundwater basins. The groundwater basins underlying the Sacramento watershed region include the American, Butte, Red Bluff-Corning, Redding, Sutter-Yuba, Yolo-Solano, and Colusa basins.

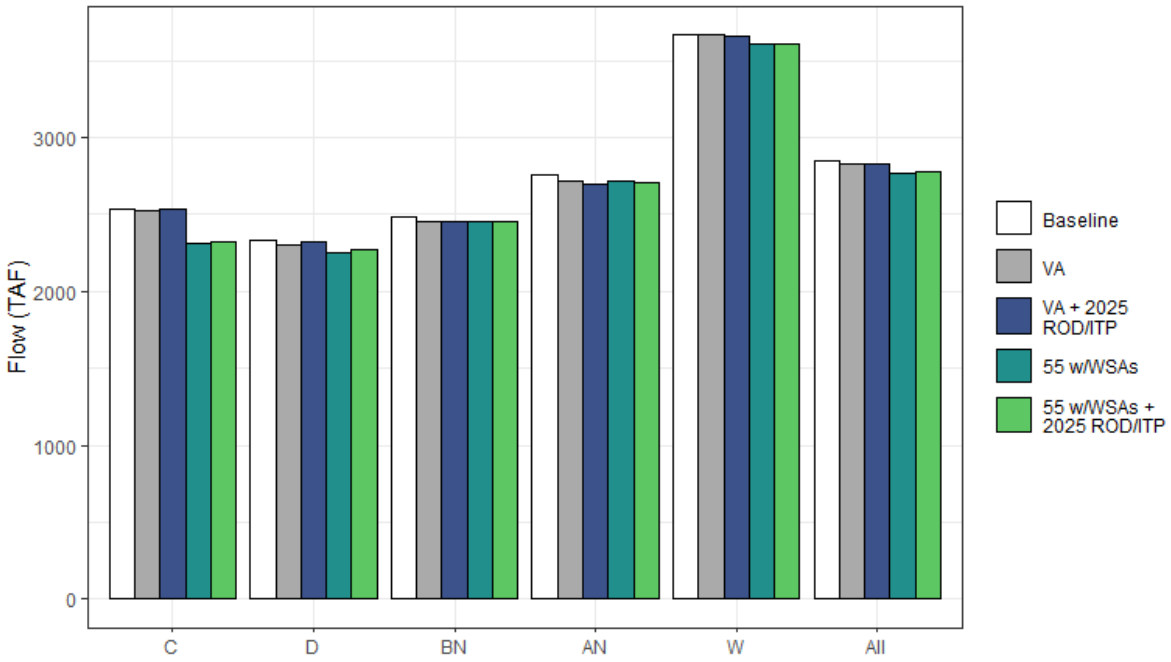

Figure H1a7-235. Total Average Annual Groundwater Recharge for the Sacramento River Watershed by WYT and Scenario (TAF/yr).

Table H1a7-468. Total Average Annual Groundwater Recharge for the Sacramento River Watershed by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	2,533	2,526	2,531	2,309	2,326
D	2,330	2,305	2,318	2,256	2,268
BN	2,484	2,449	2,456	2,451	2,454
AN	2,753	2,714	2,693	2,717	2,702
W	3,668	3,666	3,662	3,607	3,610
All	2,849	2,830	2,832	2,767	2,772

H1a7.7.8 Total Groundwater Recharge by Basin

Total groundwater recharge includes stream gain/loss, infiltration from applied water and precipitation, and transmission losses.

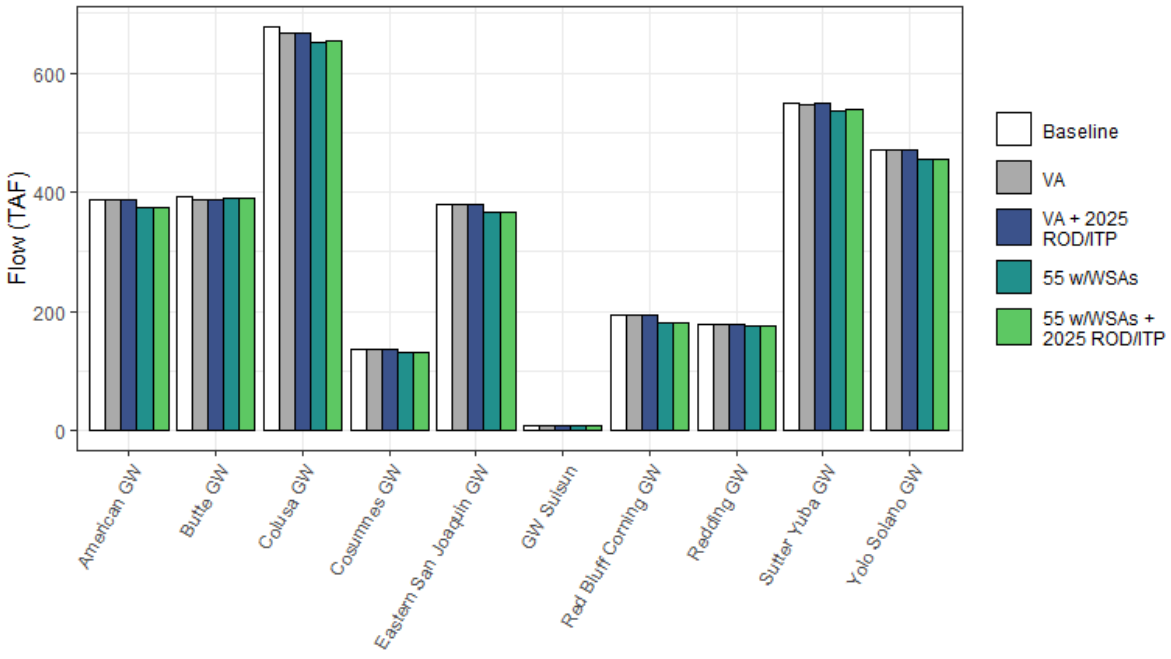

Figure H1a7-236. Annual Average Groundwater Recharge by Basin (TAF/yr).

Table H1a7-469. Annual Average Groundwater Recharge by Basin and Change from Baseline (TAF/yr).

Basin	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
American GW	388	-1	-1	-13	-13
Butte GW	392	-6	-5	-2	-2
Colusa GW	678	-10	-10	-25	-23
Cosumnes GW	137	0	0	-7	-7
Eastern San Joaquin GW	380	0	0	-12	-12
GW Suisun	9	0	0	-1	-1
Red Bluff Corning GW	193	0	0	-13	-13
Redding GW	179	-1	-1	-2	-2
Sutter Yuba GW	549	-1	1	-12	-10
Yolo Solano GW	471	0	-1	-14	-14

H1a7.7.9 Total Stream-Groundwater Flux

Total stream-groundwater flux represents the net flow from streams to underlying groundwater basins.

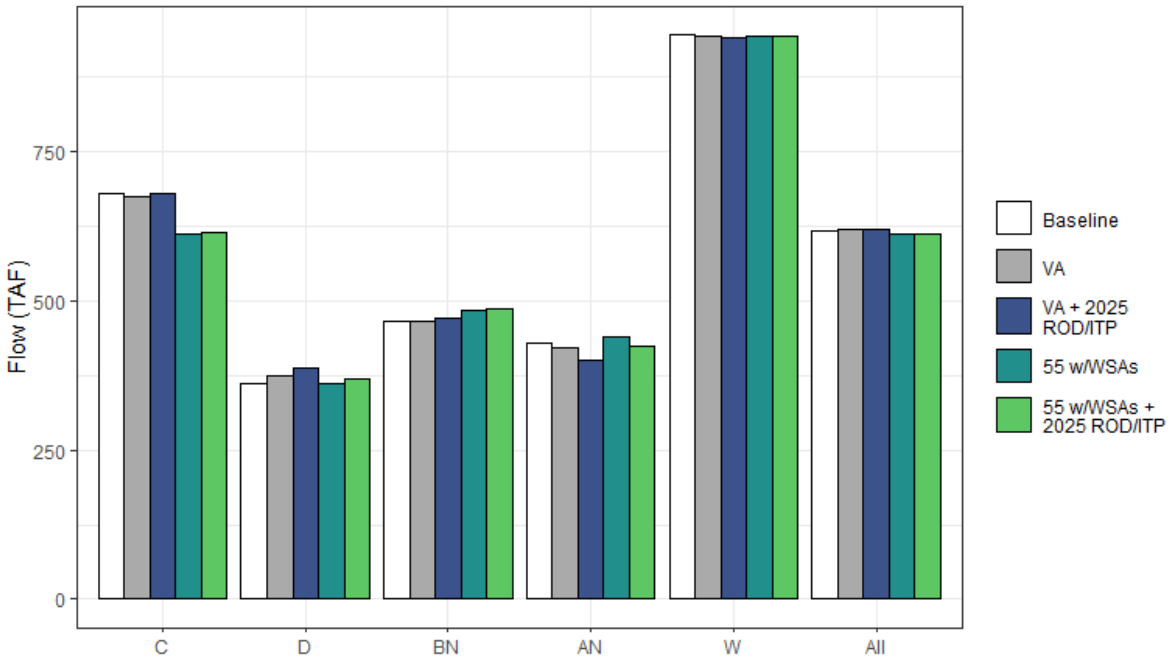

Figure H1a7-237. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) by WYT and Scenario (TAF/yr).

Table H1a7-470. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	680	674	679	611	616
D	362	374	387	363	369
BN	466	465	472	485	486
AN	428	422	400	440	425
W	946	945	941	944	945
All	618	619	620	612	612

H1a7.7.10 Total Stream-Groundwater Flux — Delta Eastside Tributaries

For the Delta Eastside Tributaries, this summary includes stream-groundwater flows associated with the Cosumnes, Mokelumne, and Calaveras River watersheds.

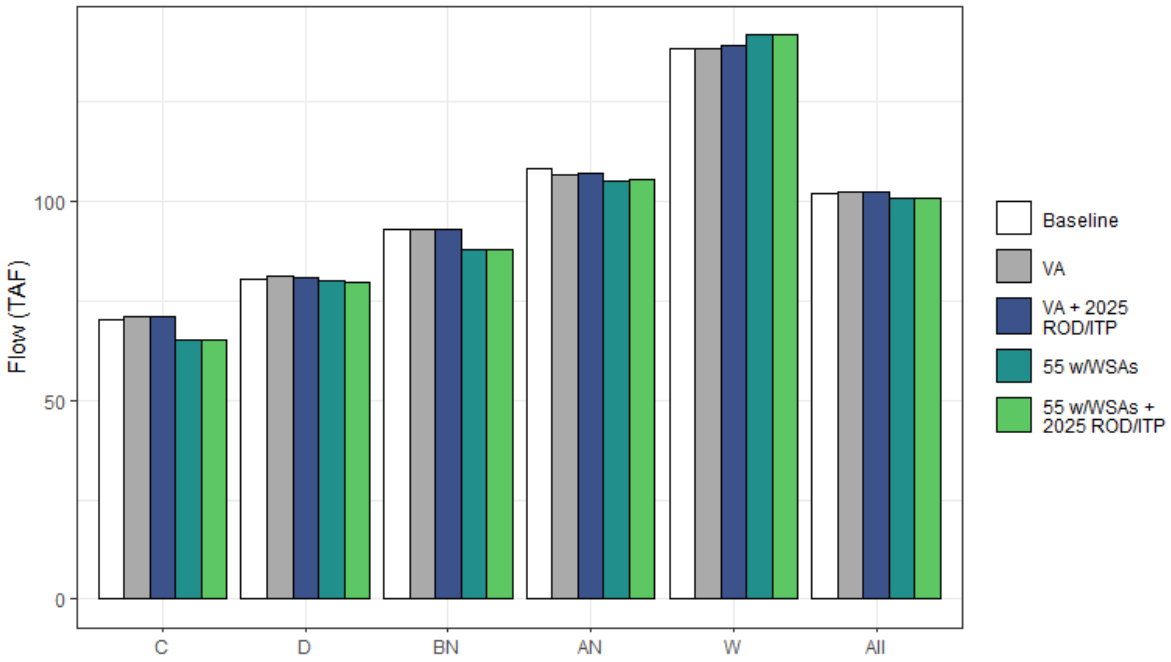

Figure H1a7-238. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) for Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

Table H1a7-471. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) for Delta Eastside Tributaries Region by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	70	71	71	65	65
D	81	81	81	80	80
BN	93	93	93	88	88
AN	108	107	107	105	105
W	138	139	139	142	142
All	102	102	103	101	101

H1a7.7.11 Total Stream-Groundwater Flux — Sacramento River Watershed

For the Sacramento River Watershed, this summary includes all stream-groundwater flows in the American, Butte, Red Bluff-Corning, Redding, Sutter-Yuba, Yolo-Solano, and Colusa basins.

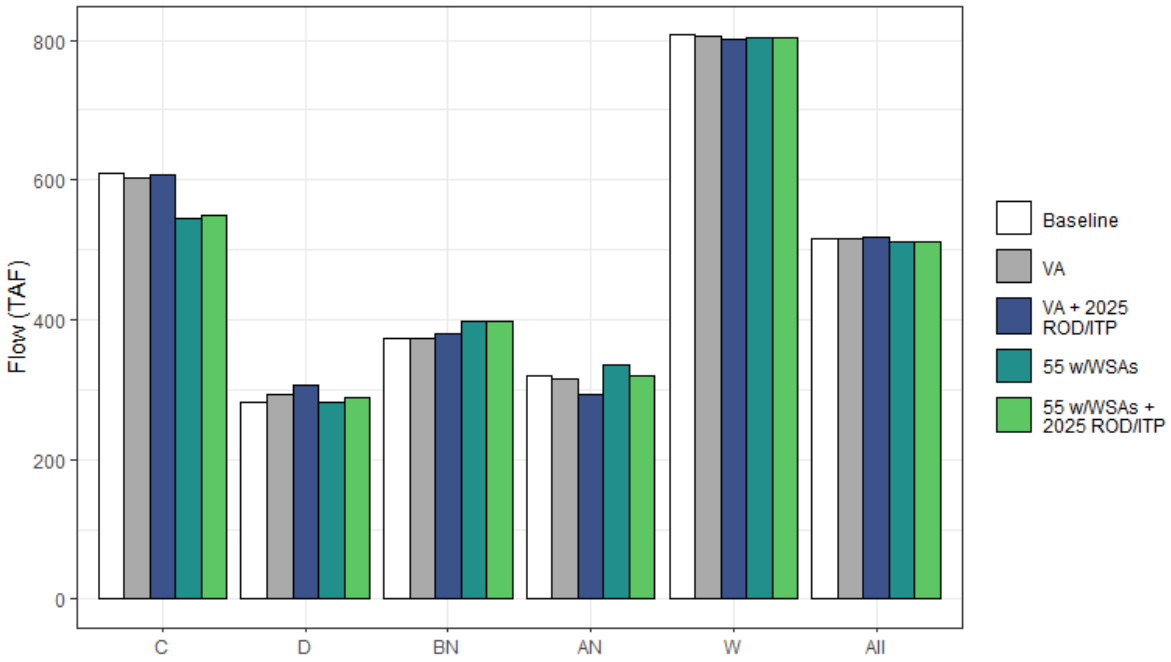

Figure H1a7-239. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) for Sacramento River Watershed by WYT and Scenario (TAF/yr).

Table H1a7-472. Total Average Annual Stream-Groundwater Flux (Net Groundwater Gain) for Sacramento River Watershed by WYT and Scenario (TAF/yr).

WYT	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
C	610	603	608	546	550
D	281	293	306	283	289
BN	373	372	379	397	398
AN	320	316	293	335	319
W	808	806	801	802	803
All	516	516	517	511	511

H1a7.7.12 Stream-Groundwater Flux by Basin

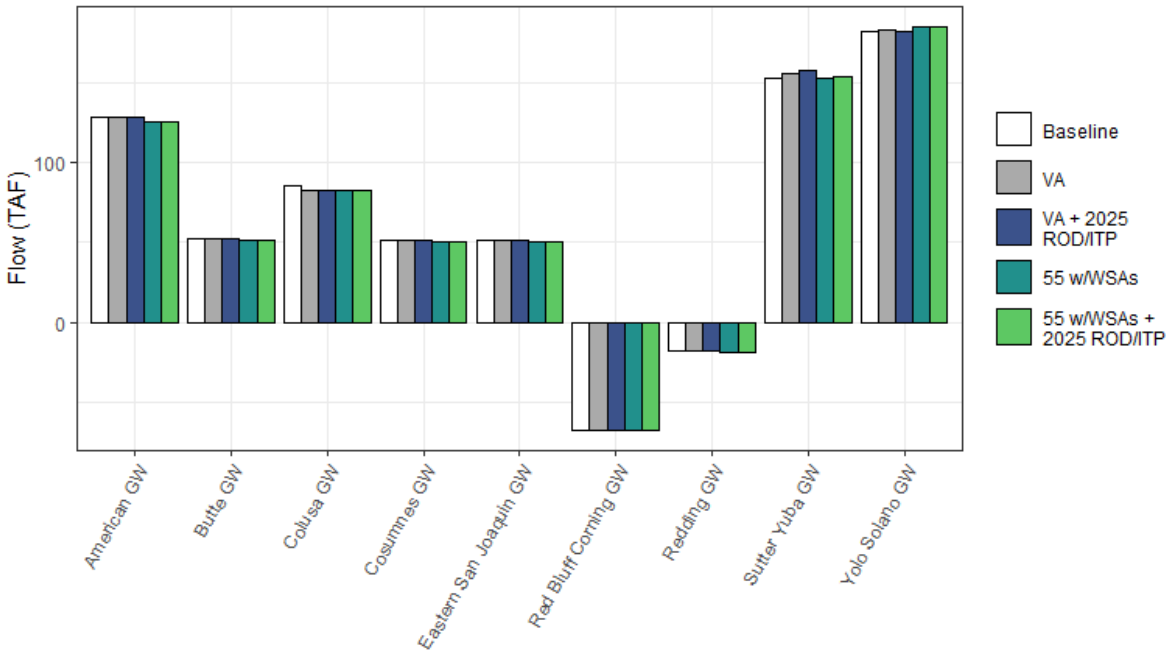

Figure H1a7-240. Stream-Groundwater Flux (Net Groundwater Gain) by Basin (TAF/yr).

Table H1a7-473. Annual Average Stream-Groundwater Flux by Basin and Change from Baseline (TAF/yr).

Basin	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
American GW	128	0	0	-3	-3
Butte GW	52	0	0	-1	-1
Colusa GW	86	-3	-3	-3	-3
Cosumnes GW	51	0	0	-1	-1
Eastern San Joaquin GW	51	0	0	0	0
Red Bluff Corning GW	-67	0	0	0	0
Redding GW	-17	0	0	-1	-1
Sutter Yuba GW	152	3	5	0	1
Yolo Solano GW	182	0	0	3	3

H1a7.7.13 Groundwater Storage by Basin

Table H1a7-474. Annual Average Rate of Change in Storage by Basin (TAF/yr).

Basin	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
American GW	-64	-60	-61	-76	-76
Butte GW	-87	-88	-80	-84	-84
Colusa GW	-71	-78	-80	-94	-92
Cosumnes GW	-102	-124	-120	-110	-110
Eastern San Joaquin GW	-111	-105	-107	-117	-117
GW Suisun	-1	-1	-1	-2	-2
Red Bluff Corning GW	-358	-356	-355	-367	-367
Redding GW	143	142	142	141	141
Sutter Yuba GW	44	46	43	31	33
Yolo Solano GW	-42	-43	-42	-53	-54

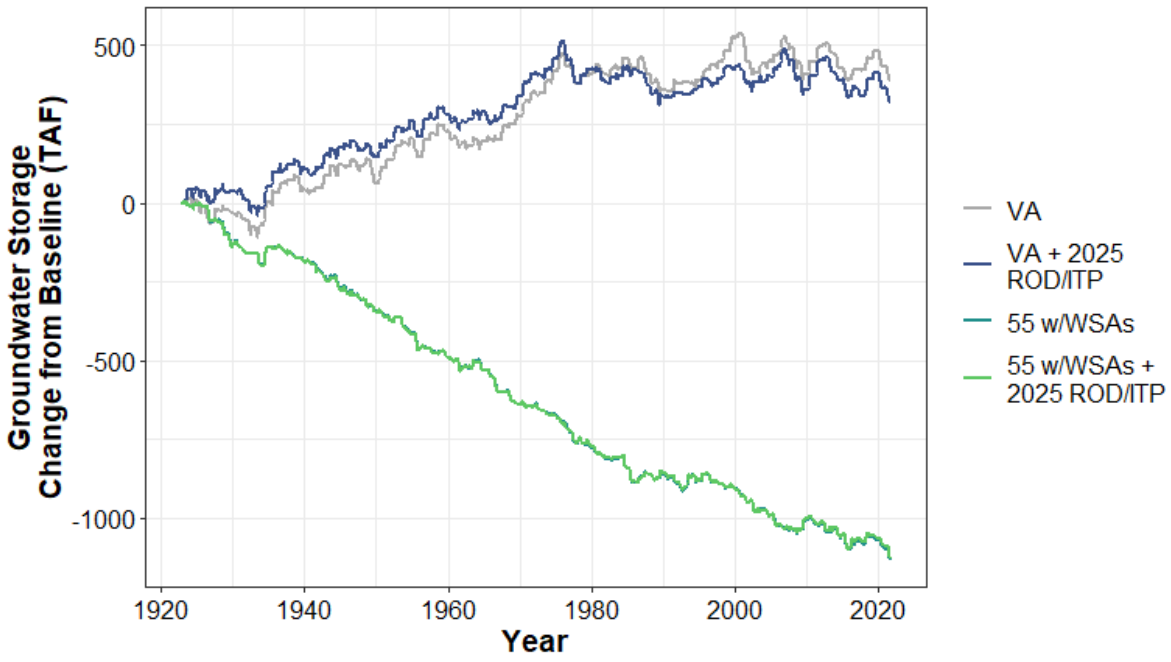

Figure H1a7-241. American River Groundwater Basin End of Year Storage—Change from Baseline (TAF)

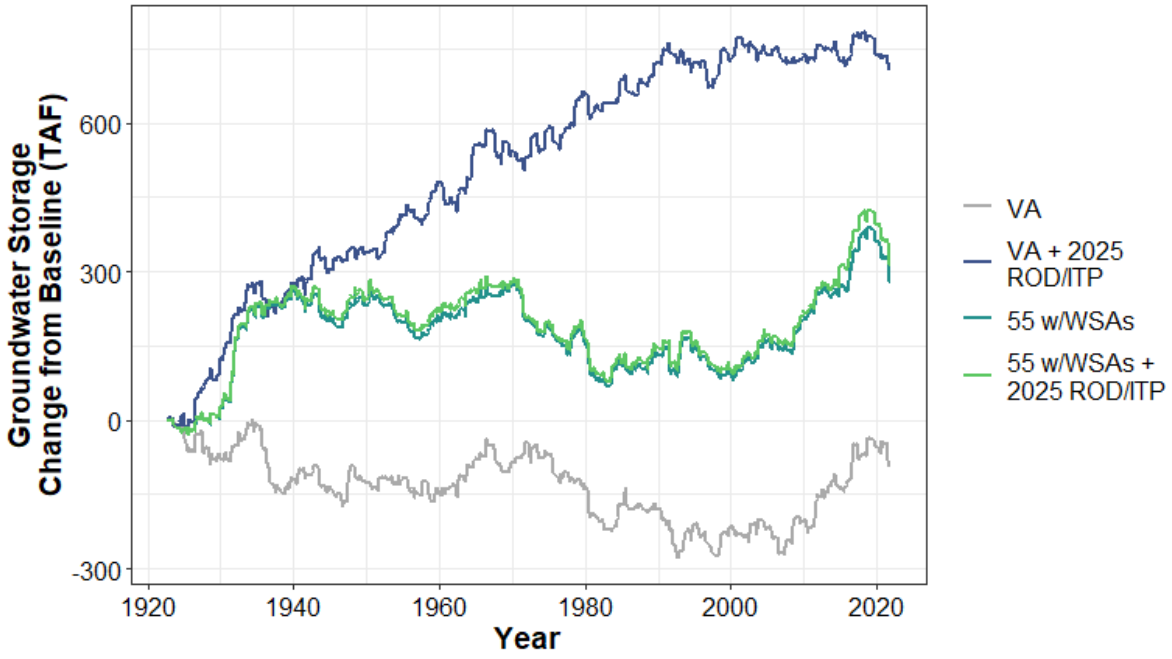

Figure H1a7-242. Butte Groundwater Basin End of Year Storage—Change from Baseline (TAF)

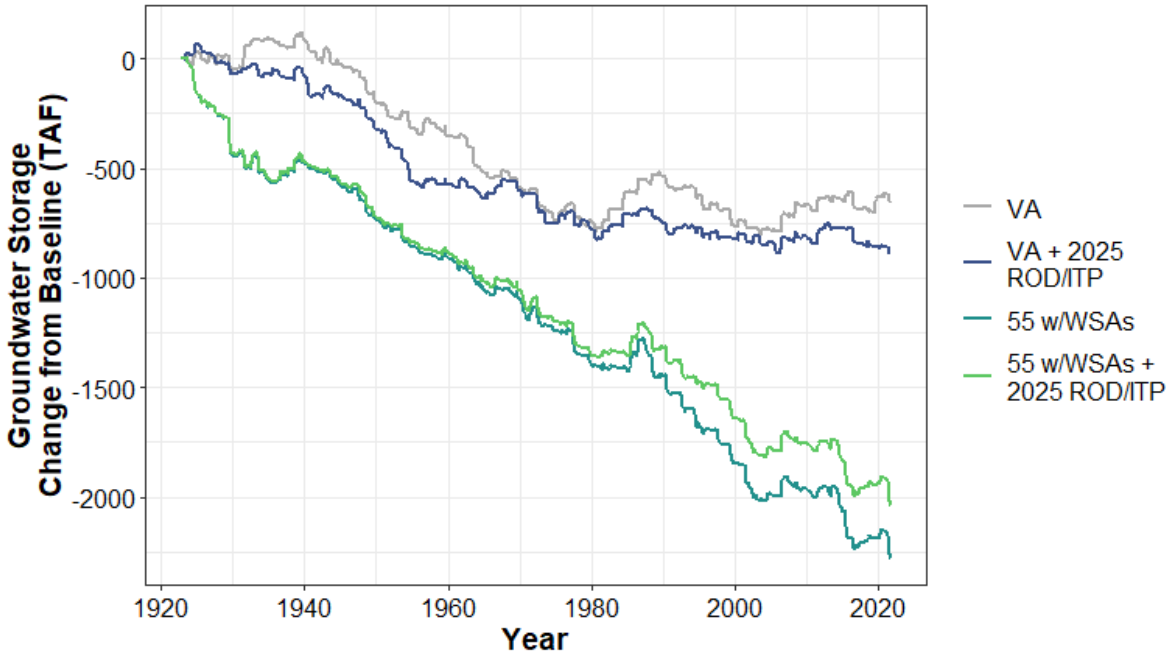

Figure H1a7-243. Colusa Groundwater Basin End of Year Storage—Change from Baseline (TAF)

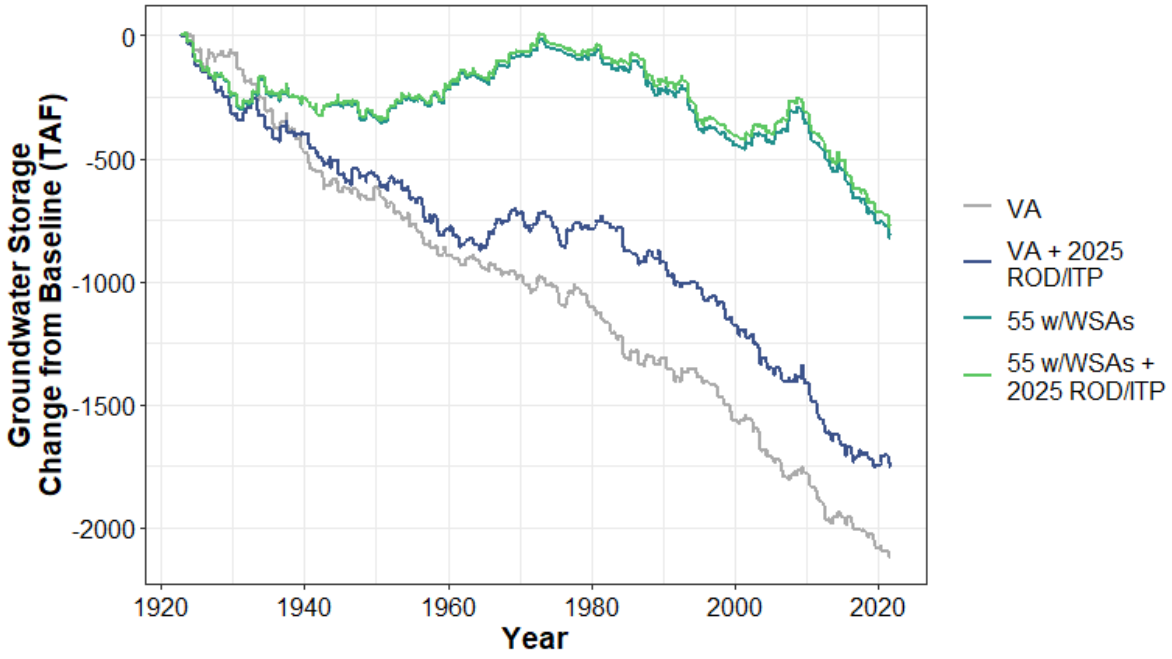

Figure H1a7-244. Cosumnes Groundwater Basin End of Year Storage—Change from Baseline (TAF)

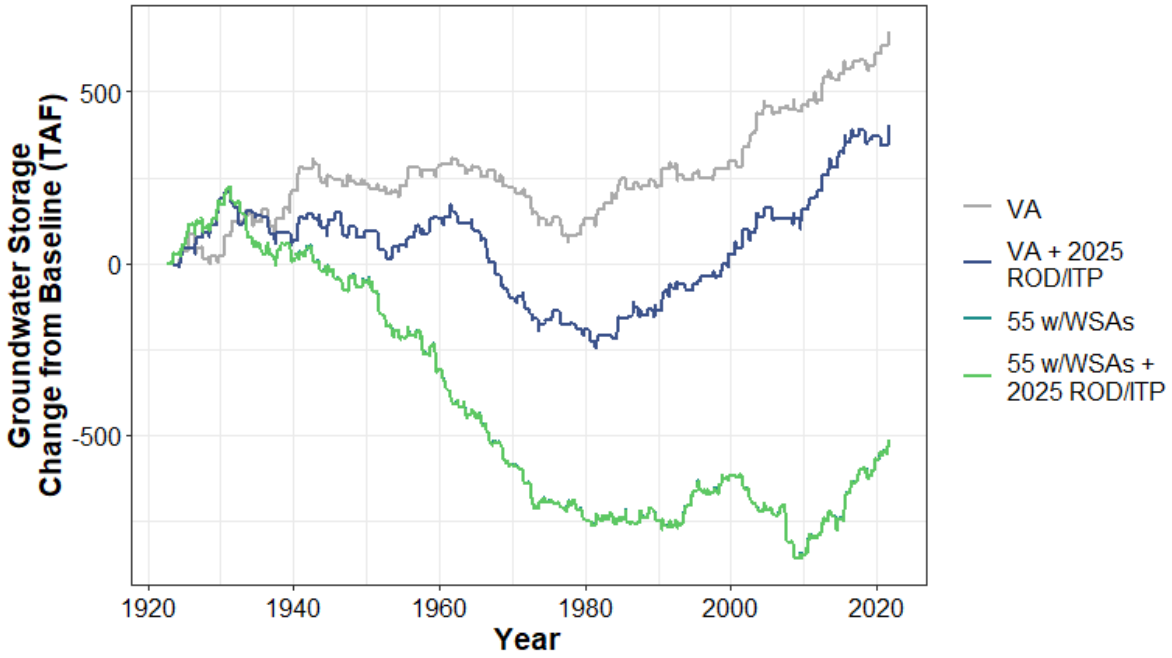

Figure H1a7-245. Eastern San Joaquin Groundwater Basin End of Year Storage—Change from Baseline (TAF)

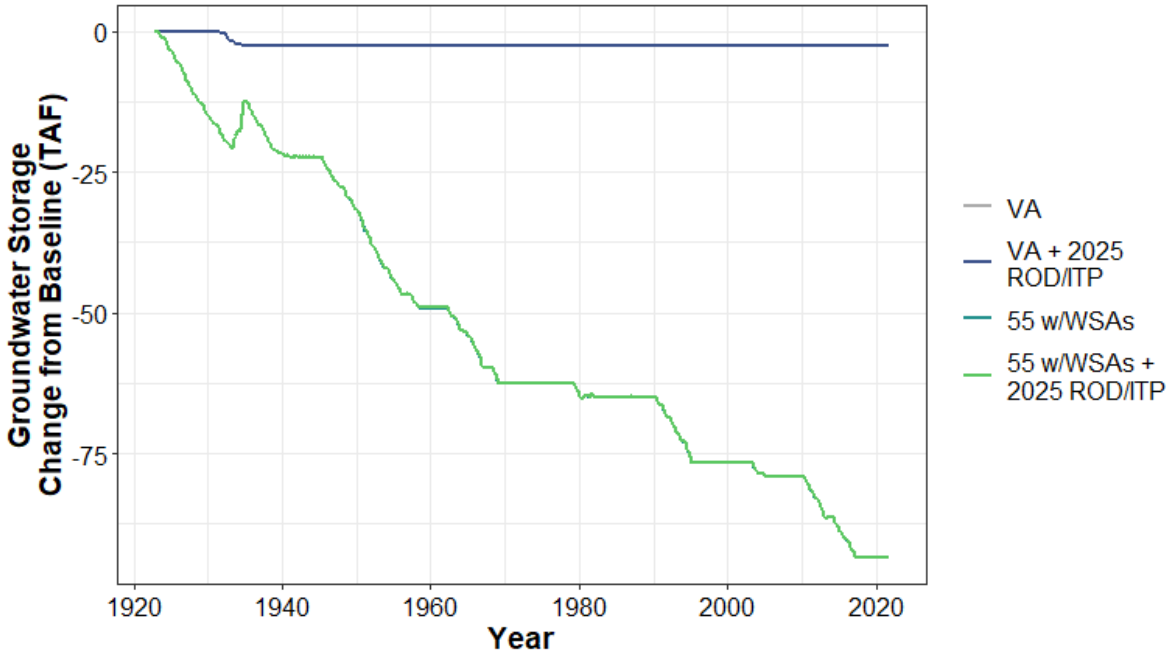

Figure H1a7-246. Suisun Groundwater Basin End of Year Storage—Change from Baseline (TAF)

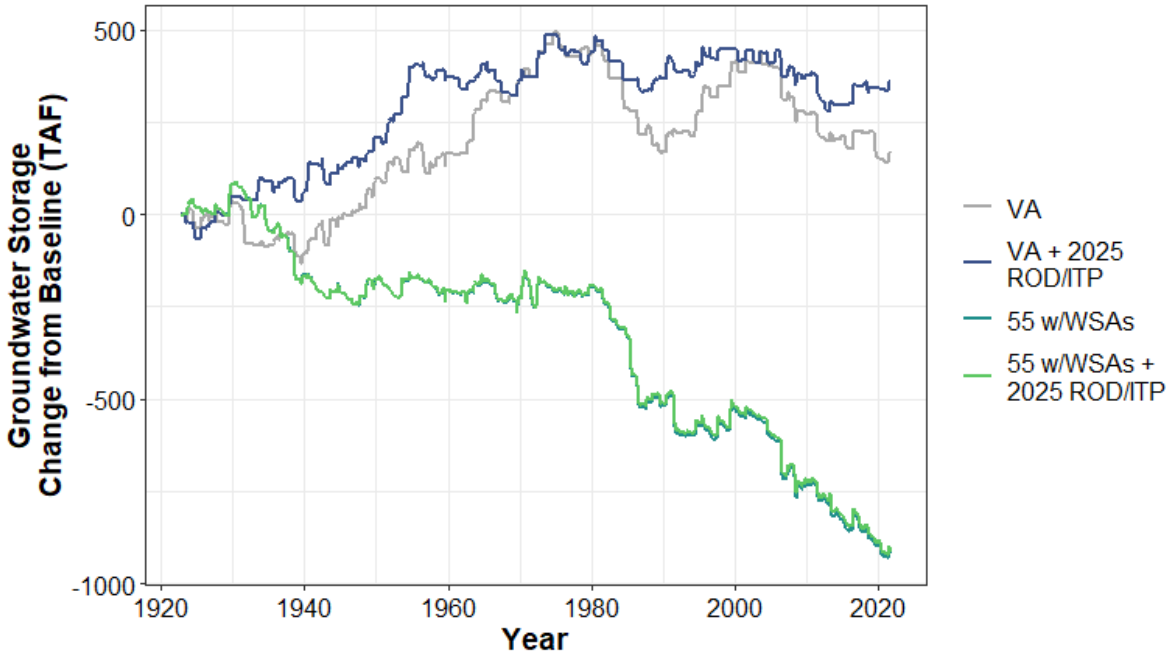

Figure H1a7-247. Red Bluff-Corning Groundwater Basin End of Year Storage—Change from Baseline (TAF)

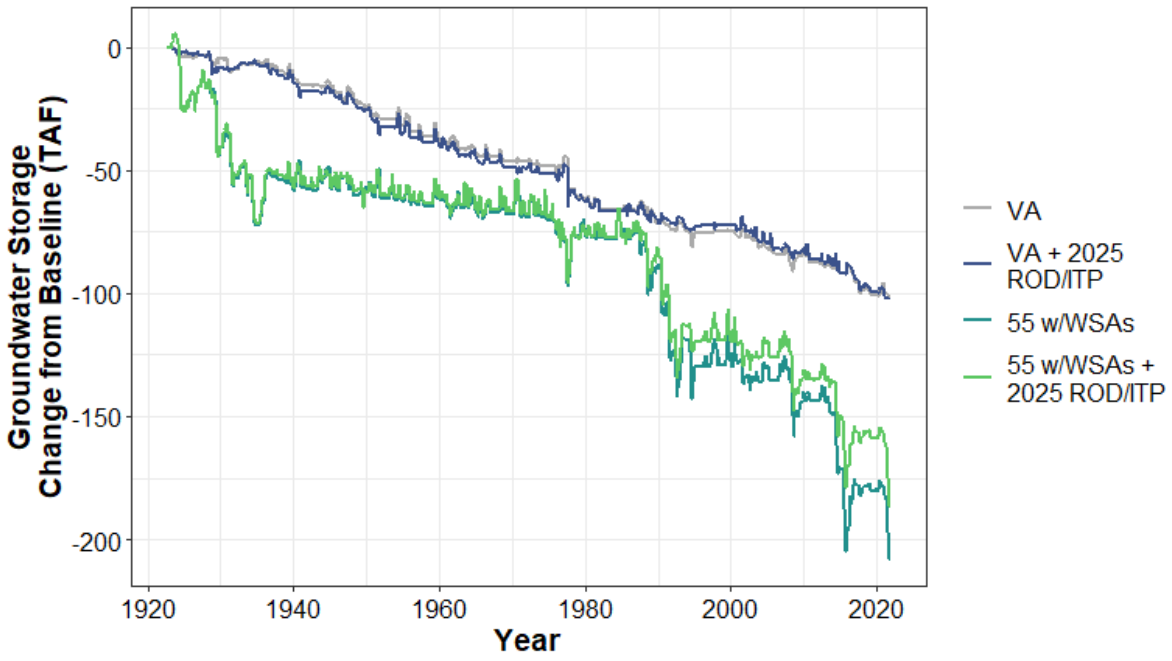

Figure H1a7-248. Redding Groundwater Basin End of Year Storage—Change from Baseline

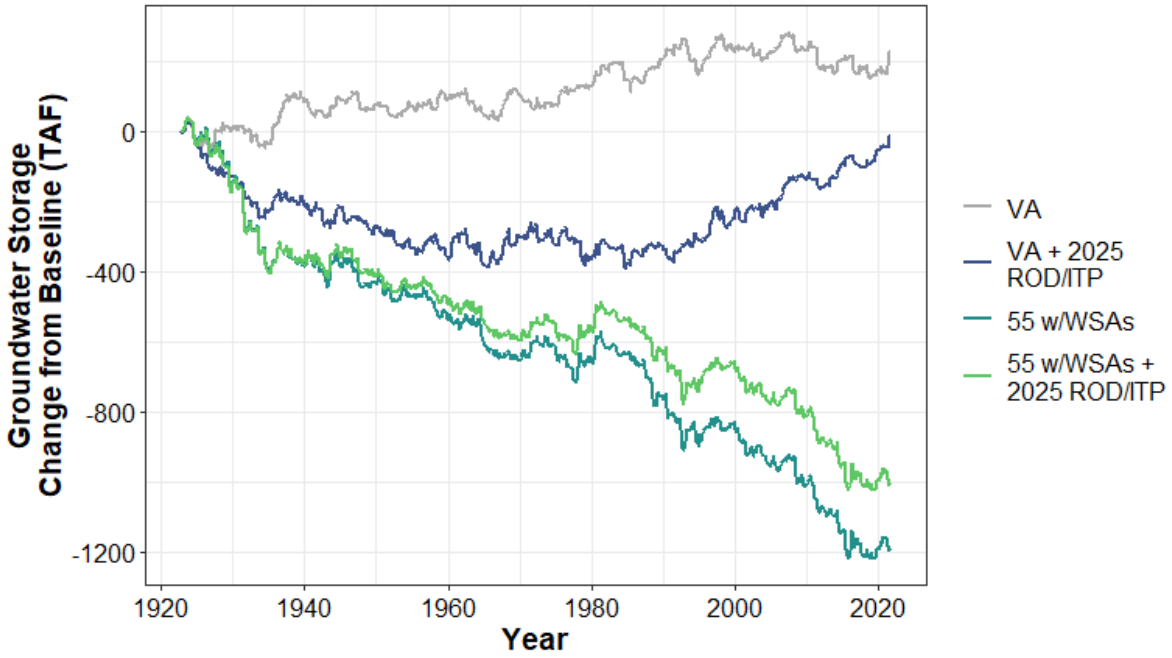

Figure H1a7-249. Sutter-Yuba Groundwater Basin End of Year Storage—Change from Baseline

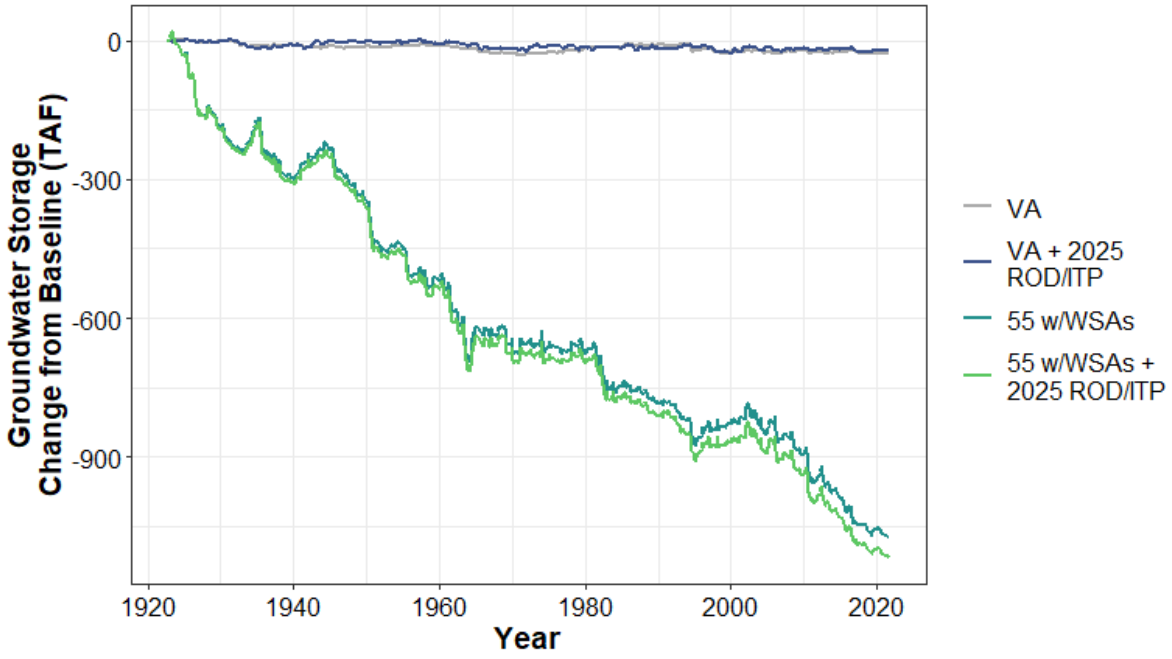

Figure H1a7-250. Yolo-Solano Groundwater Basin End of Year Storage—Change from Baseline

H1a7.8 Unmet Instream Flow Requirements

Unmet instream flow requirements are presented as a count of months and percent of months in which the flow requirement was not met. There are a total of 1,188 months in the 1923–2021 simulation period presented here, though many instream flow requirements are not in effect in every month of the simulation period. The flow requirement was considered unmet if the shortfall was greater than 5% of the monthly requirement. Results are presented for "REG" flow requirements, which represent existing regulatory flow requirements. The VA scenarios make use of a subset of "SWRCB" flow requirements (SWRCB Camanche, SWRCB Folsom, SWRCB Delta, SWRCB Putah Creek, and SWRCB Sacramento at Knights Landing) as well as REG High Flow Channel to implement VA flow requirements. These requirements are always met in the VA scenarios.

Table H1a7-475. Number of Months (Percent of Months) with Unmet REG Instream Flow Requirements

Requirement	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
REG American River at Fair Oaks	3 (0)	3 (0)	3 (0)	0 (0)	0 (0)
REG Bear River below Lower Bear Dam	15 (1)	15 (1)	15 (1)	15 (1)	15 (1)
REG Below Little Grass Valley Dam	14 (1)	14 (1)	14 (1)	14 (1)	14 (1)
REG below SFF Tunnel	14 (1)	14 (1)	14 (1)	14 (1)	14 (1)
REG Below Tiger River Regulator	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
REG Clear Creek below Igo	155 (13)	156 (13)	156 (13)	156 (13)	156 (13)
REG Cole Creek below Diversion Dam	12 (1)	12 (1)	12 (1)	12 (1)	12 (1)
REG D893 H St	3 (0)	3 (0)	3 (0)	0 (0)	0 (0)
REG Downstream of Forbestown Dam	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
REG Downstream of Lost Creek Dam	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
REG Hamilton Branch	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
REG High Flow Channel	1 (0)	0 (0)	1 (0)	0 (0)	0 (0)
REG Kellogg Creek below Los Vaqueros	194 (16)	194 (16)	194 (16)	194 (16)	194 (16)

Requirement	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
REG Little Rubicon below Diversion	22 (2)	22 (2)	22 (2)	22 (2)	22 (2)
REG Lodi1950 Base	8 (1)	8 (1)	8 (1)	8 (1)	8 (1)
REG Lodi1950 Hi May Storage	79 (7)	79 (7)	79 (7)	81 (7)	81 (7)
REG Lodi22415 Base	8 (1)	8 (1)	8 (1)	8 (1)	8 (1)
REG Lodi22415 Hi Precip Hi EOM Storage	63 (5)	63 (5)	63 (5)	71 (6)	71 (6)
REG Lodi22415_Hi Precip Lo EOM Storage	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
REG Lodi22415 Lo Precip Hi EOM Storage	6 (1)	6 (1)	6 (1)	7 (1)	7 (1)
REG Low Flow Channel	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)
REG Middle Yuba below Our House Dam	59 (5)	59 (5)	59 (5)	59 (5)	59 (5)
REG Mormon Ravine	99 (8)	99 (8)	99 (8)	99 (8)	99 (8)
REG NF American below Lake Valley Canal	137 (12)	137 (12)	137 (12)	137 (12)	137 (12)
REG NF Mokelumne below Salt Spring Dam	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
REG NS Fork Long Canyon below Dam	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
REG Rubicon below Rubicon Dam	21 (2)	21 (2)	21 (2)	21 (2)	21 (2)
REG Silver Creek below Oyster Creek	93 (8)	93 (8)	93 (8)	93 (8)	93 (8)
REG Stony Creek below Black Butte	4 (0)	4 (0)	4 (0)	25 (2)	25 (2)
REG Stony Creek below East Park Dam	3 (0)	3 (0)	3 (0)	23 (2)	23 (2)
REG Stony Creek below Northside Dam	4 (0)	4 (0)	4 (0)	22 (2)	22 (2)
REG Stony Creek below Stony Gorge	4 (0)	4 (0)	4 (0)	21 (2)	21 (2)
REG Trinity River below Lewiston	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
REG Yuba River near Marysville	3 (0)	3 (0)	3 (0)	3 (0)	3 (0)
REG Yuba River near Smartsville	3 (0)	3 (0)	3 (0)	3 (0)	3 (0)

Table H1a7-476. Number of Months (Percent of Months) with Unmet SWRCB Instream Flow Requirements

Requirement	Baseline	VA	VA + 2025 ROD/ITP	55 w/WSAs	55 w/WSAs + 2025 ROD/ITP
SWRCB Black Butte	-	0 (0)	0 (0)	14 (1)	14 (1)
SWRCB Clear Lake	-	0 (0)	0 (0)	51 (4)	51 (4)
SWRCB Cosumnes River	-	0 (0)	0 (0)	6 (1)	6 (1)
SWRCB Oroville	-	0 (0)	0 (0)	9 (1)	9 (1)
SWRCB Stony Creek	-	0 (0)	0 (0)	5 (0)	5 (0)